CONSTRUCTION COMPLETION AND FINAL REPORT

Former Custom Stamping Site – East Block
1001 SE Madison Street
Portland, Oregon
ECSI No. 6326

For
Oregon Department of Environmental Quality
Northwest Region
and Premium Property – East Block, LLC

October 31, 2022

NV5

October 31, 2022

Oregon Department of Environmental Quality
Northwest Region
700 NE Multnomah Street, Suite 600
Portland, OR 97232

Attention: Rob Hood

Construction Completion and Final Report
Former Custom Stamping Site – East Block
1001 SE Madison Street
Portland, Oregon
ECSI No. 6326
Project: Capstone-12-08

NV5 is pleased to submit this Construction Completion and Final Report for the Former Custom Stamping Site – East Block located at 1001 SE Madison Street in Portland, Oregon (subject property). This report summarizes environmental components of redevelopment construction within the context of previously documented impacts to soil and groundwater at the subject property. Specifically, this report describes the measures employed for the handling and management of impacted soil at the subject property, documents implementation of mitigative components of construction, and presents a summary of residual risk screening to support closure within the Voluntary Cleanup Program.

Please call if you have questions concerning this submittal.

Sincerely,

NV5

Colby R. Hunt, C.H.M.M
Principal

cc: Stacy Blanton, Capstone Partners LLC
Chris Nelson, Capstone Partners LLC

EAH:CRH:kt
Attachments
One copy submitted
Document ID: Capstone-12-08-103122-envr.docx
© 2022 NV5. All rights reserved.

TABLE OF CONTENTS

ACRONYMS AND ABBREVIATIONS

1.0 INTRODUCTION 1
2.0 BACKGROUND 1
2.1 Subject Property Description and History 1
2.2 Environmental Setting 2
2.3 Previous Studies and Regulatory Status 4
2.4 Pre-Construction Conditions 6
2.5 CMMP 7
3.0 SUBJECT PROPERTY REDEVELOPMENT 7
4.0 EARTHWORK ACTIVITIES 7
4.1 Cut Areas 7
4.2 Fill Areas 8
5.0 SOIL MANAGEMENT 8
5.1 Field Screening 8
5.2 Soil Sampling and Landfill Characterization 9
5.3 Soil Stockpiling 10
5.4 Soil Disposal 10
6.0 FINAL COVER 10
6.1 Hardscapes 10
6.2 Softscapes 10
7.0 SOURCES, NATURE, AND EXTENT OF CONTAMINATION 10
7.1 Sources of Contamination 10
7.2 Nature of Contamination 11
7.3 Extent of Contamination 11
8.0 EXPOSURE PATHWAY SUMMARY 11
8.1 Soil Pathways of Exposure 11
8.2 Groundwater Pathways of Exposure 11
9.0 CONTAMINANT FATE AND TRANSPORT 12
9.1 Contaminant Transport 12
9.2 Contaminant Degradation/Persistence 12
9.3 Conceptual Site Model 13
9.4 Locality of Facility 13
10.0 LAND AND WATER USE DETERMINATIONS 13
10.1 Current and Future Land Use 13
10.2 Beneficial Uses of Water 13
11.0 RESIDUAL RISK 16
11.1 Residual Risk Screening – Soil 16
11.2 Residual Risk Screening – Groundwater 17
11.3 Inspection and Maintenance 18
11.4 Residuals Management Plan 18
12.0 CONCLUSIONS 18
13.0 LIMITATIONS 19

TABLE OF CONTENTS

REFERENCES 21

FIGURES
- Vicinity Map Figure 1
- Site Plan – Former Custom Stamping Blocks Figure 2
- Subsurface Exploration Locations (All Custom Stamping Blocks) Figure 3
- Detail Site Plan – East Block Subsurface Explorations and Improvements Figure 4

TABLES
- Summary of Soil Sample Chemical Analytical Results – TPH and VOCs Table 1
- Summary of Soil Sample Chemical Analytical Results – PAHs Table 2
- Summary of Soil Sample Chemical Analytical Results – Total Metals and TCLP Lead Table 3
- Summary of Soil Sample Chemical Analytical Results – PCBs Table 4
- Summary of Groundwater Sample Chemical Analytical Results – TPH and VOCs Table 5
- Summary of Groundwater Sample Chemical Analytical Results – Total Metals Table 6

APPENDICES
- Appendix A
  - Prior Environmental Reports A-1
  - Environmental Services Report
  - Contaminated Media Management Plan
- Appendix B
  - Chemical Analytical Program B-1
  - Laboratory Report
- Appendix C
  - Waste Disposal Documentation C-1
  - Disposal Receipts
- Appendix D
  - Land and Beneficial Water Use Determination Documentation D-1
  - Zoning Map
  - Water Well Map
  - Well Logs
  - Wetland Map

ACRONYMS AND ABBREVIATIONS

BGS	below ground surface
BMP	best management practice
BS	blank spike
BSD	blank spike duplicate
CCR	Construction Completion Report
CFSL	clean fill screening level
CMMP	Contaminated Media Management Plan
CSM	conceptual site model
DEQ	Oregon Department of Environmental Quality
ECSI	Environmental Cleanup Site Information
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
gpm	gallons per minute
HDPE	high-density polyethylene
I.D.	identification
LOF	Locality of Facility
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
mil	milli-inch
MS	matrix spike
MSD	matrix spike duplicate
MSL	mean sea level
NE	not established
not detected	compound not detected at a concentration equal to or greater than the laboratory method reporting limit or reporting detection limit
OWRD	Oregon Water Resources Department
PAH	polycyclic aromatic hydrocarbon
PBS	PBS Engineering + Environmental, Inc.
PCB	polychlorinated biphenyl
PID	photoionization detector
ppm	parts per million
PWB	Portland Water Bureau
QC	quality control
RBC	risk-based concentration
RBDM	*Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites*
RCRA	Resource Conservation and Recovery Act
RDL	reported detection limit
RPD	relative percent difference
TCLP	Toxicity Characteristic Leaching Procedure
TPH	total petroleum hydrocarbon(s)
µg/L	micrograms per liter
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey

UST	underground storage tank
VCP	Voluntary Cleanup Program
VOC	volatile organic compound
WRCC	Western Regional Climate Center
XRF	x-ray fluorescence

1.0 INTRODUCTION

This report has been prepared by NV5 (formerly GeoDesign, Inc. as referenced herein) on behalf of Premium Property – East Block, LLC (Owner) for the Former Custom Stamping Site – East Block located at 1001 SE Madison Street in Portland, Oregon (subject property, Figure 1).

The CCR components of this report summarize the implementation of measures prescribed in the DEQ-approved CMMP (GeoDesign, 2017) to mitigate potential adverse effects associated with impacted media present at the subject property during subject property redevelopment.

This report also presents information in accordance with DEQ guidance to support closure of the subject property within DEQ's VCP. Specific supporting information for closure contained herein includes the following:

- A description of the subject property background
- A description of the subject property's environmental setting
- A description of subject property investigations and remedial (i.e., removal) actions
- A description of the sources, nature, and extent of contamination
- Presentation of a CSM, including exposure pathways and contaminant fate and transport characteristics
- A summary of beneficial land and water uses within the subject property vicinity
- A summary of residual risks present at the subject property
- Presentation of conclusions and recommendations

Acronyms and abbreviations used herein are defined above, immediately following the Table of Contents.

2.0 BACKGROUND

2.1 SUBJECT PROPERTY DESCRIPTION AND HISTORY

Beginning in approximately 1936, use of the Custom Stamping and Manufacturing facility included tool and die works, tool services, auto services and warehousing, welding, truck parts storage, and a garage. A more detailed discussion of the subject property history is presented in our report dated August 26, 2016 (GeoDesign, 2016).

The former Custom Stamping and Manufacturing facility included seven tax lots distributed over 2.5 city blocks in southeast Portland (Figure 2), in the southwest quarter of the northwest quarter of Section 2, Township 1 South, Range 1 East of the Willamette Meridian. In the course of redevelopment activity, addresses and tax lot designations for the three blocks appear to have changed. For cross referencing previous reports, the table below summarizes site names, former addresses and tax lot identifications, and current addresses and tax lot identifications.

Former Custom Stamping Summary of Addresses, Tax Lots, and Space Designations

Site Name	Former Address, Tax Lot(s), and Space Designations	Current Address, Tax Lot(s), and Space Designations
Former Custom Stamping Site – East Block (subject property)	1031 SE Madison Street Tax Lot 7200 Storage	1001 SE Madison Street Tax Lot 7200 Parking
	1001 SE Madison Street Tax Lot 7300 Parking	
Former Custom Stamping Site – North Block	925 SE Main Street Tax Lot 6500 Spaces E and F and Service Yard	925 SE Main Street Tax Lot 6500 Spaces D, E, F, and G and Service Yards
	1240 SE 9th Avenue Tax Lot 6800 Spaces D and G and Service Yard	
Former Custom Stamping Site – South Block	1306 SE 9th Avenue Tax Lot 6900 Space 1C and Service Yard	1355 SE 10th Avenue Tax Lot 6900 Spaces A, 1B, and 1C and Service Yard
	1340 SE 9th Avenue Tax Lot 7000 Space A	
	923 SE Madison Street Tax Lot 7100 Space 1B	

Redevelopment of the South, North, and East Blocks of the former Custom Stamping facility occurred on separate paths. Accordingly, separate reports have and will be submitted to DEQ for redevelopment activities conducted on the North and South Blocks. Refer to Section 2.2 for additional discussion of the separation of each block. This report details activities focused on the East Block (Tax Lot 7200; subject property).

2.2 ENVIRONMENTAL SETTING

2.2.1 Climate

According to records obtained from WRCC, climate statistics for Portland, Oregon, for the period of 1973 through 2016 are summarized as follows (WRCC, 2022):

- Average annual temperature = 54.5 °F
- Average maximum temperature (August) = 79.7 °F
- Average minimum temperature (December) = 36.9 °F
- Average total precipitation = 43.4 inches

2.2.2 Topography

The subject property is situated at an elevation of approximately 40 feet above MSL. The topography of the subject property is generally level. Based on a review of topographic maps, online property information, and other historical sources for the area, Hawthorne Creek Gulch was historically located in portions of the subject property. Hawthorne Creek Gulch flowed north and west toward the Willamette River until the early 1920s when the creek and channel were backfilled.

2.2.3 Regional Geology

The Portland metropolitan area is situated within the Puget-Willamette Trough physiographic province, a north-south structural basin lying between the Coast Ranges to the west and the Cascade Range to the east (Burns, 1998; Orr and Orr, 1999). The subsided lowland of the Portland Basin, a major component of the Willamette Trough, is bound by the anticlinal Tualatin Mountains and the Cascade front (both at least partly controlled by northwest-trending faults) and extends from highlands at Oregon City north to St. Helens and Woodland.

The geologic history of east Portland reflects the interaction of processes at this boundary between the Willamette Valley, the Cascade Range, and the western end of the Columbia Gorge (Trimble, 1963; Beeson et al., 1991). The Cascades are underlain by volcanic, volcaniclastic, and shallow-intrusive rocks that were produced by eruptions within the range and flood basalts that erupted far to the east but flowed across the Willamette Trough and on to the Pacific Ocean. Rivers (including the ancient Columbia) deposited gravel, sand, and silt over the volcanic rocks. These older volcanic rocks and overlying sedimentary strata underlie most of the Portland Basin. In the past 3 million years, short-lived eruptions from dozens of vents formed the many small volcanic cones and shields, particularly in the hills south of Johnson Creek.

The most recent major geologic events to shape the region were tremendous floods down the Columbia River, caused by the collapse of glacial dams and drainage of large lakes in western Montana (Allen et al., 1986). Many dozens of these Missoula floods occurred between approximately 15,500 and 12,500 years ago (and perhaps during earlier glaciations). Flood waters several hundred feet deep swept out of the Columbia Gorge and over the lowlands between Troutdale and east Portland, reshaping the surfaces and depositing fresh sediments over the terraces. In the eastern part of the Portland Basin, the higher terrace surfaces are mantled with coarse gravel; farther west, the floodwaters deposited smaller gravel and sand. The Willamette Valley was flooded up to an elevation of at least 400 feet, so finer sand and silt were deposited by the temporary lakes up to that level. After the floods, winds picked up the loose sediment and re-deposited it on the nearby uplands.

In the periods between and following the Missoula floods, the Columbia and Willamette rivers and their tributaries eroded down through the loose sediments mantling the Portland Basin to re-establish their channels. Long-term deposition out of the Columbia River pushed the Willamette River to the west side of the basin, where it flows along the base of the Tualatin Mountains. There are also several abandoned channels through the east Portland area that were previously filled.

The Tualatin Mountains have been uplifted along northwesterly oriented crustal faults related to the compressional, right-lateral tectonics dominating the region. Several northwest-striking crustal faults have been mapped in bedrock exposures in the Tualatin Mountains west of the subject property and below sedimentary cover (Beeson et al., 1989, 1991; Blakely et al., 2000).

Surficial geology of the subject property is mapped as artificial fill (Beeson et al., 1991). However, region-wide geologic mapping is performed at a large scale and boundaries between soil types can be inaccurate. The artificial fill designation is likely due to the filling of Asylum Creek and Hawthorne Creek, which were previously located in the area until they were filled sometime between 1909 and 1924. Geologic maps indicate the area surrounding the artificial fill consists of channel facies, which consist of complexly interlayered silt, sand, and gravel. As a result, it is likely that channel facies comprise native soil in the subject property area. Geologic mapping indicates that the Troutdale Formation is present at depth beneath the channel facies.

2.2.4 Subject Property Lithology

In general, soil conditions at the subject property consist of undocumented fill extending up to approximately 28 feet BGS. The fill material is highly variable and comprised of layers of gravel with varying fractions of sand, silt, and clay; sand with varying fractions of gravel, silt, and clay; and silt or clay with varying fractions of sand and gravel. Native material generally comprised of silty gravel with sand was encountered below the fill material.

2.2.5 Subject Property Hydrogeology

Unconfined groundwater was encountered in our direct-push borings (completed in April 2016) at depths between 11.3 and 13.5 feet BGS. Depth to groundwater mapping for the Portland area that was developed by USGS indicates that the regional groundwater table at the subject property is located approximately 20 feet BGS (Snyder, 2008). The depth to groundwater may fluctuate in response to seasonal changes, changes in surface topography, and other factors. We infer based on this information that the 2016 explorations encountered groundwater in a seasonally high condition.

Due to the nature of reconnaissance-level explorations at the subject property, calculated groundwater elevations and resulting flow direction were not precisely determined. However, based on our review, we infer that groundwater generally flows in a westerly direction toward the Willamette River and likely has a northerly flow component due to the historical presence of the Hawthorne Creek Gulch. Therefore, for purposes of this study, we interpret that shallow groundwater generally flows in a westerly/northwesterly direction.

Due to the limited extent and shallow nature of subject property improvements, groundwater was not encountered during redevelopment activities.

2.3 PREVIOUS STUDIES AND REGULATORY STATUS

2.3.1 July 2016 ESA and Subsurface Investigation

GeoDesign conducted a combined Phase I and Phase II ESA for the former Custom Stamping facility in 2016. Our associated subsurface exploration program was conducted from April through July 2016 and included three phases of subsurface investigation to characterize soil, groundwater, and sub-slab vapor throughout the South, North, and East Blocks of the former

Custom Stamping facility (GeoDesign, 2016). The Phase I and Phase II ESA report is provided in Appendix A, and Figures 3 and 4 show the locations of subsurface explorations at the subject property.

Following the 2016 investigation, the Owner entered the overall former Custom Blocks facility into the DEQ VCP in January 2017. As previously discussed, each block of the former Custom Stamping facility is undergoing a different redevelopment path. Accordingly, the North Block and East Block were excised from the original DEQ ECSI File (No. 6166) in March 2019. Forthcoming assessments, evaluations, and regulatory closure will be specific to each block under separate DEQ VCP agreements. Within the DEQ VCP framework, each block is designated as follows:

- Former Custom Stamping Site – East Block: DEQ ECSI File No. 6326 (excised from ECSI File No. 6166)
- Former Custom Stamping Site – South Block: DEQ ECSI File No. 6166 (original file)
- Former Custom Stamping Site – North Block: DEQ ECSI File No. 6327 (excised from ECSI File No. 6166)

Soil and groundwater conditions on the subject property (East Block) prior to redevelopment activities are summarized in Section 2.4.

2.3.2 PBS July 2016 Test Pit Investigation

Based on some elevated lead detections in shallow soil samples collected during our April 2016 investigation, PBS conducted a shallow soil sampling and lead screening assessment on behalf of the former site owner in July 2016. During this assessment, PBS excavated 15 test pits (TP-1 through TP-15) at the subject property to characterize near-surface soil conditions using an XRF field instrument. The PBS report is presented in Appendix A (appended to the CMMP) and the locations of the test pits are shown on Figures 3 and 4.

During PBS's July 2016 test pit investigation, GeoDesign personnel observed the field activities and collected split samples from selected locations for analysis of TPH, PAHs, PCBs, and metals. Chemical analytical and XRF results are summarized in Tables 1 through 4.

2.3.3 July 2018 Geotechnical Boring Field Screening

GeoDesign conducted a geotechnical engineering study of the subject property in July 2018 that included drilling eight borings (B-1 through B-8) at the locations shown on Figure 4. During the associated drilling program, GeoDesign environmental staff observed sample recoveries and performed field screening on the soil samples to assess the potential for impacted media. Summary field screening results from the July 2018 geotechnical borings are included in Table 1.

2.3.4 Waste Characterization Composite Soil Sampling

Prior to earthwork activities associated with subject property improvements, GeoDesign conducted a composite soil sampling program to support the landfill permitting process and further evaluate the potential leachability of lead in shallow soil subject to excavation and off-site disposal. Figure 4 shows the composite soil sampling areas. A detailed summary of the waste characterization composite soil sampling program is presented in Section 5.2.

2.4 PRE-CONSTRUCTION CONDITIONS

This section summarizes known soil and groundwater impacts at the subject property (prior to subject property improvements) based on previous phases of environmental assessment by GeoDesign and others (previously discussed in Section 2.3). A summary of soil sample analytical data and a comparison to applicable DEQ RBCs are presented in Tables 1 through 4. A summary of groundwater sample analytical data and comparison to applicable DEQ RBCs are presented in Tables 5 and 6.

2.4.1 Soil

2.4.1.1 TPH Compounds

TPH compounds (as gasoline, diesel, and/or oil) were detected in soil samples at the following maximum concentrations:

- Gasoline-range hydrocarbons: 198 mg/kg
- Diesel-range hydrocarbons: 1,810 mg/kg
- Oil-range hydrocarbons: 2,100 mg/kg

Results of previous explorations at the subject property indicated that concentrations of TPH in soil are limited and sporadic in nature, and TPH detections have not exceeded applicable DEQ RBCs.

2.41.2 VOCs

A limited number of VOCs were detected in soil samples collected at the subject property at concentrations up to 0.181 mg/kg. Detected VOCs included acetone, benzene, and sec-butylbenzene. None of the VOC detections exceeded applicable DEQ RBCs.

2.4.1.3 PAHs

Several PAHs were detected in soil samples collected at the subject property at concentrations up to 1.23 mg/kg. Detected PAHs included anthracene, acenaphthene, acenaphthylene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, pyrene, 1-methylnaphthalene, and 2-methylnaphthalene.

Results of explorations at the subject property indicate that concentrations of PAHs in soil are limited and sporadic in nature. None of the detected PAH concentrations exceeded applicable DEQ RBCs.

2.4.1.4 Metals

Metals were detected in soil samples collected at the subject property at concentrations up to 3,940 mg/kg. Detected metals included arsenic, barium, cadmium, chromium, lead, mercury, and silver. Elevated concentrations of lead were detected throughout the subject property, particularly in the upper 2 feet of fill material. Arsenic and lead were detected at concentrations exceeding one or more applicable DEQ RBCs. Several of the samples with metals detections

exceeding applicable RBCs represent material that was subsequently removed during construction and transported off site for disposal. Additional discussion of elevated and/or residual metals concentrations in soil is presented in Section 11.

2.4.1.5 PCBs

PCBs were not detected in any soil samples collected from the subject property.

2.4.2 Groundwater

Low concentrations of TPH and metals were detected in groundwater samples collected during previous exploratory activities. VOCs were not detected in any of the groundwater samples collected at the subject property. None of the detected concentrations of TPH or metals exceeded applicable DEQ RBCs.

2.5 CMMP

Based on the results of subsurface explorations at the subject property, GeoDesign prepared a CMMP (GeoDesign, 2017) for the subject property in order to (1) establish a decision structure to assist the earthwork contractor in the detection and management of potentially impacted soil during excavation activities and (2) prevent the exacerbation of existing environmental conditions. The CMMP was submitted to DEQ in September 2017, and the CMMP is presented in Appendix A.

During the earthwork phase of subject property improvement, the contractor implemented the procedures established in the CMMP. A description of soil management and characterization procedures implemented during construction is presented in Section 5.

3.0 SUBJECT PROPERTY REDEVELOPMENT

Following subject property improvements, the subject property use will be consistent with prior use, comprised of a renovated parking area. Subject property improvements were completed in late 2018 through early 2019 to provide an updated parking layout, asphalt paving course, landscaping, and a shallow stormwater flow-through swale facility underlain by impermeable sheeting. The subject property improvements, including elements of final cover are shown on Figure 4.

4.0 EARTHWORK ACTIVITIES

The following sections provide a summary of earthwork activities subject to oversight and evaluation in accordance with the CMMP.

4.1 CUT AREAS

Shallow grading activities were completed in the south half of the subject property to support construction of the new pavement course. Shallow grading was generally limited to the upper 1 foot to 2 feet of surface fill, and the lined stormwater facility along the south margin of the subject property included excavation to approximately 3 to 4 feet BGS. A cut diagram is shown on Figure 4.

Soil generated during earthwork activities was managed in accordance with the CMMP. A discussion of soil management activities is presented in Section 5.

Final grades associated with subject property improvements are generally consistent with or lower than pre-construction grades. GeoDesign personnel observed earthwork portions of construction activity and performed field screening of the excavated material in accordance with the procedures set forth in the CMMP.

4.2 FILL AREAS

Subject property redevelopment did not include significant volumes of fill, as the post-construction final grades are approximately equivalent to or lower than pre-construction grades. In most areas of the subject property, imported granular base and/or drainage aggregate (crushed rock) from a virgin quarry was placed and compacted within the cut areas prior to placement of new asphalt. Approximately 1 foot of imported planting mix topsoil from a commercial supplier was placed in the landscaped and planter areas (Figure 4).

5.0 SOIL MANAGEMENT

In accordance with the procedures described in the CMMP, GeoDesign performed field screening and waste characterization sampling of material generated during earthwork activities. Specific elements of soil management are discussed in the sections below.

5.1 FIELD SCREENING

5.1.1 Field Screening Protocol and Decision Criteria

GeoDesign performed field screening as prescribed in the CMMP to evaluate the potential presence of impacted soil during general earthwork activities (particularly from deeper intervals associated with the lined stormwater swale at the south margin of the subject property). The field screening activities employed were intended to identify potentially impacted soil not previously identified during earlier phases of site assessment.

Soil field screening included observation of the excavated material. Field screening focused on soil that appeared to have indications of staining and/or impact, if present. If evidence of impacts was not observed in the excavation or stockpile areas, a random soil sample was collected for field screening.

Soil was screened for evidence of staining, elevated PID readings, and sheen in accordance with the field screening guidelines below and protocol set forth in the CMMP.

Staining: In general, soil contaminated with petroleum hydrocarbons may exhibit gray or black staining, although other contaminants and natural conditions may also cause gray or black staining. During earthwork activities at the subject property, areas of staining were observed throughout the upper 1 foot to 2 feet of fill material. Soil generated from deeper intervals (i.e., below 2 feet BGS) at the south margin of the subject property did not exhibit notable staining.

Sheen: Soil with a sheen may appear shiny and reflective. Sheens from heavily impacted soil may appear iridescent with rainbow-like colors. During earthwork activities at the subject property, areas of significant sheen were not observed.

PID Screening: PID screening involves the measurement of vapors originating from a soil sample using a headspace method. PID screening is performed by placing a soil sample in a plastic bag. Air is captured in the bag, and the bag is shaken to expose the soil to the air trapped in the bag. The probe of a PID is inserted into the headspace of the bag, which measures VOC vapor (petroleum constituent) concentrations in units of ppm. A PID is designed to quantify VOC vapor concentrations in the range between 1 and 2,000 ppm. Soil exhibiting elevated PID readings was not observed during earthwork activities at the subject property.

Odor: Petroleum products, solvents, and other types of contaminants in soil may release vapors when exposed to the atmosphere. If concentrated enough, these vapors will be interpreted as an odor. Soil exhibiting notable odor was not observed during earthwork activities at the subject property.

5.2 SOIL SAMPLING AND LANDFILL CHARACTERIZATION

A summary of soil sampling and characterization activities completed prior to subject property improvements is presented in Section 2.3. The chemical analytical results from previous phases of subsurface assessment were used to support permitting at the landfill facility (Waste Management's Hillsboro landfill).

Upon review of the summary analytical data generated prior to subject property improvements (particularly elevated lead concentrations), Waste Management requested additional information on the leachability of lead in shallow soil subject to excavation and landfill disposal. In response, we implemented additional soil characterization activities in July 2018 (prior to earthwork activity) within the south portion of the subject property that was subject to earthwork cuts. Specifically, the additional soil characterization activities included the following:

- Established five composite soil sampling areas comprised of north to south-trending rectangular areas.
- Within each rectangular area, advanced four shallow test pits distributed relatively evenly within the area. The depth of each test pit coincided with planned excavation depths. Collected a soil sub-sample from each test pit within each area.
- Combined the sub-samples from each rectangular area and homogenized the sample into five composite soil samples (Comp-1 through Comp-5).
- Submitted each composite soil sample to the analytical laboratory for analysis of TCLP lead by EPA Method 6020.

The results of the additional composite soil sampling activities indicated that leachable lead was not present at concentrations exceeding the allowable RCRA limit of 5.0 mg/L. A visual representation of the composite soil sampling program is shown on Figure 4, and the tabulated results are included in Table 3. The laboratory analytical report is presented in Appendix B.

5.3 SOIL STOCKPILING

All soil generated during earthwork activity at the subject property was loaded directly into lined boxes for transport to the permitted landfill facility. Therefore, soil stockpiling was not necessary during subject property improvement activity. A discussion of pre-excavation soil characterization activity was previously discussed in Section 5.2.

5.4 SOIL DISPOSAL

Based on the results of previous subsurface assessments and additional soil characterization to support landfill permitting previously discussed in Section 5.2, 137.41 tons of soil were transported off site for disposal at Waste Management's Hillsboro landfill under permit number 1278660R on July 18, 2018. Landfill disposal documentation is presented in Appendix C.

6.0 FINAL COVER

The distribution of final cover associated with subject property improvements is shown on Figure 4 and is generally consistent with original conditions. The following sections describe the specific final cover components.

6.1 HARDSCAPES

Hardscape cover (asphalt paving) comprises approximately 79 percent of the redeveloped subject property.

6.2 SOFTSCAPES

Softscape cover comprises approximately 21 percent of the redeveloped subject property and includes vegetated landscape areas and a lined stormwater flow-through swale in proximity to paved parking areas (see Figure 4). The percentage of softscape includes the lined swale (approximately 1,380 square feet or 7 percent of the subject property) that was designed as a water quality BMP and is underlain by 30-mil HDPE sheeting to protect groundwater quality.

Newly established landscape areas were constructed using imported topsoil from a commercial landscape supplier for a planting medium at a thickness of approximately 1 foot.

7.0 SOURCES, NATURE, AND EXTENT OF CONTAMINATION

7.1 SOURCES OF CONTAMINATION

Prior phases of environmental assessment and subsurface investigation indicate that the source of petroleum- and metals-impacted soil at the subject property is a result of historical subject property operations that included auto services, warehousing, outdoor storage of equipment and auto-related products, and a garage.

The source of low-level impacts to groundwater observed in groundwater samples collected from direct-push boring DP-14 (and to a lesser extent DP-1) are not fully known. The 2016 geophysical survey completed at the subject property did not identify any USTs or other indicators of a groundwater contaminant source. Based on the estimated direction of groundwater flow, it is possible that these low-level impacts to groundwater originate from adjacent properties to the east.

7.2 NATURE OF CONTAMINATION

The nature of subject property contaminants (i.e., degraded petroleum products and metals with relatively low fractions of VOCs and PAHs) is generally consistent with former subject property use that included automotive services and equipment.

7.3 EXTENT OF CONTAMINATION

Aside from the areas excavated in the south half of the subject property during subject property improvements, the distribution of metals in the shallow/upper horizon of soil appears relatively consistent throughout the subject property. Conversely, the presence of petroleum-related compounds appears to be more sporadic. We attribute the relatively consistent presence of metals (lead in particular) in subject property soil to former automotive storage areas that may have included lead-acid batteries.

For purposes of this evaluation, we infer the extent of soil impacts to include the subject property boundary, including those areas not subject to soil removal during subject property redevelopment/improvements.

Similarly, based on the pattern of detected TPH and metals concentrations in groundwater samples collected at the subject property coupled with the inferred direction of groundwater flow, we infer the extent of groundwater impacts to include the subject property boundary and potentially additional off-site source areas to the east.

8.0 EXPOSURE PATHWAY SUMMARY

8.1 SOIL PATHWAYS OF EXPOSURE

Potentially complete soil exposure pathways at the subject property include the following:

- Soil ingestion, dermal contact, and inhalation by excavation and construction workers during future utility trench workers
- Soil ingestion, dermal contact, and inhalation by occupational receptors (in landscaped areas)
- Volatilization to outdoor air for occupational receptors

The presence of imported clean fill in vegetated planter areas and hardscapes, including asphalt underlain by imported aggregate base throughout the redeveloped subject property will likely eliminate the direct contact pathway for occupational receptors. However, because it is possible that occupational receptors could theoretically be exposed to subsurface soil if imported topsoil is removed or eroded from landscape areas, the occupational direct contact exposure pathway must be retained. Also, the presence of site “covers” will significantly reduce volatilization pathways for occupational receptors. Soil exposure pathways via leaching to groundwater and ingestion/inhalation from tap water are considered incomplete as discussed in Section 10.2.

8.2 GROUNDWATER PATHWAYS OF EXPOSURE

The results of the beneficial water use determination discussed in Section 10.2 indicate that shallow groundwater in the subject property vicinity is not currently or reasonably likely to be developed for consumptive purposes. For this reason, groundwater exposure pathways are

considered incomplete for ingestion/inhalation from tap water. In addition, subject property redevelopment did not include the construction of buildings or other spaces into which vapor intrusion can occur; therefore, groundwater exposure pathways for vapor intrusion into indoor air are considered incomplete. The following groundwater pathways are considered complete for evaluation:

- Volatilization to outdoor air for occupational receptors
- Groundwater in excavations for construction and excavation workers

9.0 CONTAMINANT FATE AND TRANSPORT

9.1 CONTAMINANT TRANSPORT

The nature of oil-range petroleum hydrocarbons and metals coupled with the non-detect or low fraction of VOCs and PAHs suggests a low potential for migration within or from the relatively thin (approximately 1 foot to 2 feet thick) horizon of impacted surface fill remaining within the north half of the subject property.

Final resurfacing of the subject property included extensive asphalt placement or replacement. Resurfacing the majority of the subject property with new asphalt cover and implementing a HDPE liner beneath the stormwater swale will limit infiltration of water into shallow soil. Consequently, we expect that the likelihood of contaminant migration via water transport will be further limited by this reduction in infiltration.

A review of the groundwater data indicates that relatively low concentrations of TPH and metals were detected in groundwater samples collected from direct-push borings DP-1 and DP-14. However, VOCs were not detected in the associated samples. Because VOC constituents in petroleum mixtures are often indicative of advective and dispersive transport processes and were also not detected in other groundwater samples (e.g., from direct-push borings DP-10 and DP-13), we infer that the low-level groundwater impacts are generally isolated and not highly mobile.

9.2 CONTAMINANT DEGRADATION/PERSISTENCE

Organic-based contaminants, including TPH characterized as oil (and to a lesser extent PAHs and VOCs), are expected to naturally degrade over time.

Other contaminants (e.g., metals) are expected to persist for significantly longer periods of time; however, soil exhibiting metals concentrations exceeding applicable DEQ RBCs were removed during subject property improvements or are located under subject property covers, which inhibits direct contact by subject property occupants.

The pattern of contaminants in groundwater samples collected from direct-push borings DP-1 and DP-14 (specifically, low-level TPH and a lack of VOC detections) is indicative of a degraded petroleum product.

9.3 CONCEPTUAL SITE MODEL

In accordance with DEQ guidance on development of a CSM, the following sections are referenced that describe respective components of the CSM:

- Sources and nature of contamination are detailed in Sections 7.1 and 7.2, respectively.
- Contaminant fate and transport characteristics are detailed in Sections 9.1 and 9.2.
- Potential receptors and associated exposure pathways are detailed in Sections 8.1 and 8.2.

9.4 LOCALITY OF FACILITY

The LOF is defined by DEQ as any point where a human or ecological receptor may reasonably likely come into contact with subject property-related hazardous substances. The LOF takes into account factors such as existing subject property conditions, regional and local hydrogeology, and the likelihood of contaminants migrating over time.

As discussed in Section 7.3, the LOF for soil and groundwater is interpreted to potentially encompass the subject property limits with the exception of (1) those areas of soil removed during subject property redevelopment earthwork previously discussed in Section 4.1 and (2) potential up-gradient, off-site sources of groundwater impacts.

10.0 LAND AND WATER USE DETERMINATIONS

This section describes current and likely future land and water uses at the subject property. We evaluated current and likely future land and water uses in general accordance with DEQ guidance (DEQ, 1998). Supporting documentation for land uses and beneficial uses of water are presented in Appendix D.

10.1 CURRENT AND FUTURE LAND USE

Land use in the vicinity of the subject property is primarily industrial, with some commercial use. The subject property is zoned General Industrial 1 (IG1). Properties surrounding the subject property are zoned General Industrial (IG1) and Central Employment (EXd). An area of residential use is located approximately two blocks east of the subject property.

According to the City of Portland Department of Planning and Sustainability, the current zoning configuration is not likely to change in the future.

10.2 BENEFICIAL USES OF WATER

We completed a beneficial water use determination to conservatively assess potential beneficial uses of water to support risk screening. Specifically, we completed a beneficial water use determination to provide information regarding the current and reasonably likely future beneficial uses of water in the subject property vicinity. Our determination of current and reasonably likely future beneficial water use was completed in general accordance with DEQ guidance (DEQ, 1998). This determination included a review of water well logs and water rights information on file with OWRD, review of USFWS wetland maps, and research of current and potentially future water supplies and uses of groundwater within ½ mile of the subject property.

10.2.1 On-Site Water Use

Water is supplied to the subject property and surrounding area by PWB. PWB distributes the primary supply from the Bull Run Reservoir. Contingency supplies to this source include groundwater from the Columbia South Shore Wellfield. The primary and contingency water supplies for the subject property are located at least 7 miles from the subject property. According to the 2020 Seasonal Water Supply Augmentation and Contingency Plan (PWB, 2020), these resources appear sufficient to supply the subject property vicinity with water into the foreseeable future. Consistent with the Regional Water Supply Plan developed by PWB, it is highly unlikely that groundwater in the subject property vicinity will be developed as a drinking water supply.

10.2.2 Surface Water Research

The Willamette River is located approximately 0.60 mile west of the subject property. Other surface waters were not identified within ½ mile of the subject property.

10.2.3 Groundwater Research

A review of well logs on file with OWRD indicates that six groundwater supply wells are, or were, potentially located within a ½-mile radius of the subject property. The remaining wells identified were either abandoned or do not represent water wells (i.e., test borings, cathodic protection, monitoring wells, abandoned dewatering wells, etc.). The estimated locations of these potential wells and associated well logs are presented in Appendix D. Details obtained from our well log and water-right review are summarized in the table below.

Summary of Potential Water Wells and Water-Rights within ½-Mile of the Subject Property

Well Log I.D.	Estimated Distance and Bearing from Subject Property	Inferred Ground Surface Elevation (feet above MSL)	Well Use(s)	Total Depth (feet BGS)	Intake Interval (feet BGS)	Reported Static Water Level (feet BGS)	Reported Yield (gpm)
MULT 004	2,300 feet west/southwest	48	Industrial	60	60	28	42
MULT 2711	2,300 feet northeast	118	Industrial	212	165-171 175-185 193-200	70	170
MULT 2713	1,900 feet west	45	Industrial	504	504	37	--
MULT 2714 MULT 2727 (same well)	1,300 feet west/northwest	55	Industrial	385	45-50 168-175 285-295	--	1,200

Summary of Potential Water Wells and Water-Rights within ½-Mile of the Subject Property (continued)

Well Log I.D.	Estimated Distance and Bearing from Subject Property	Inferred Ground Surface Elevation (feet above MSL)	Well Use(s)	Total Depth (feet BGS)	Intake Interval (feet BGS)	Reported Static Water Level (feet BGS)	Reported Yield (gpm)
MULT 2715	1,800 feet north	65	Industrial	105	85-105	38	60
MULT 2717	2,200 feet southwest	65	Industrial	180	158-170	53	200

A review of the available water well logs on file with OWRD indicated that the current or former active water supply wells within ½ mile of the subject property were completed in relatively productive sand and gravel deposits comprising the lower Troutdale Gravel Aquifer. In nearly all cases, these more productive zones underlie less permeable cemented zones of the Troutdale Gravel Aquifer. The upper cemented zones provide a hydraulic barrier between productive zones of the Troutdale Gravel Aquifer and the shallow aquifer system at the subject property.

All potential wells identified above are, or were, used for industrial/manufacturing uses and do not reflect potable supply wells. In addition, our research indicated that except for MULT 004, each of the wells summarized in the table above were drilled between 1944 and 1965. Further research indicated that the owners/businesses listed on those well logs are no longer in business; therefore, there is a high likelihood that those wells are no longer in use.

A review of well logs and environmental investigation sites in the subject property vicinity obtained from DEQ online databases indicated that shallow groundwater in the subject property vicinity is characterized by relatively low yield and low quality groundwater that is not suitable for municipal development.

10.2.4 Wetland Research

The USFWS National Wetlands Inventory database did not indicate the presence of any wetland or riverine areas within ½ mile of the subject property. The USFWS wetland map is presented in Appendix D.

10.2.5 Beneficial Water Use Determination

After reviewing the relevant information, the following is a summary of findings:

- Six industrial (non-potable) water supply wells are, or were, located within ½ mile of the subject property. These wells are completed in the lower interval of the Troutdale Gravel Aquifer. Based on the age, location, depth of completion, and available lithologic information, these wells are not considered to be reasonably likely to come in contact with subject property-related substances in groundwater.
- Surface waters were not identified within ½ mile of the subject property.
- Shallow (and deeper) groundwater in the subject property vicinity is not currently, and is not reasonably likely to be, developed for consumptive use.

Based on the Beneficial Water Use Determination, consumption of shallow and/or deep groundwater in the subject property vicinity is not reasonably likely. Therefore, groundwater ingestion and leaching to groundwater exposure pathways are considered incomplete for purposes of risk screening.

11.0 RESIDUAL RISK

This section presents a summary of risk screening performed for the subject property using available information as of the date of redevelopment in late summer 2018. Specifically, our risk screening activities are intended to compare in-place impacts to soil following earthwork associated with subject property improvements and groundwater as demonstrated through the body of analytical results to DEQ's generic RBCs for TPH, VOCs, PAHs, and metals. The information contained in this section is supported by the chemical analytical data compiled for the subject property presented in Tables 1 through 6, which include DEQ's applicable generic RBCs.

Our risk screening activities compare concentrations of contaminants to RBCs for anticipated on-site human receptor pathways. The specific exposure pathways applicable to the subject property were previously summarized in Section 8.0. Ecological receptor pathways are not considered complete, which is supported by the implementation of subject property covers (clean fill for landscaping and new asphalt/base aggregate over the remainder of the subject property.

11.1 RESIDUAL RISK SCREENING – SOIL

As summarized in the attached chemical analytical summary tables (Tables 1 through 4), contaminants have not been detected in soil samples (remaining after construction) in any samples that exceed respective DEQ generic RBCs, except for the samples described below.

Arsenic was detected in several soil samples [DP-12(1.5-2.5), DP-13(1.0-2.0), DP-14(10.0-11.0), TP-1 at 1 foot, TP-3 at 3 feet, and TP-6 at 1 foot] at concentrations exceeding the DEQ generic RBC for *Soil Ingestion, Dermal Contact, and Inhalation* for occupational receptors. We reviewed the locations and nature of these detections with respect to current and future subject property conditions and note the following conclusions:

- The detected concentrations of arsenic that exceed the generic RBC are generally consistent with the DEQ CFSL (DEQ, 2019) for arsenic in the Portland Basin of 8.8 mg/kg and do not reflect a source of arsenic contamination.
- Following improvements, the detected concentrations of arsenic that exceed the generic RBC are located beneath new asphalt and imported subgrade aggregate and/or imported topsoil. Based on the nature of overlying cover, we do not anticipate direct contact with the impacted material by individuals using the parking area or other non-construction/excavation personnel.
- Although none of the arsenic detections exceeded respective DEQ generic RBCs for construction and excavation workers, a CMMP is in place to support the management of soil potentially impacted by metals and other contaminants if encountered during future invasive activities.

Lead was detected in several soil samples [DP-12(1.5-2.5), DP-13(1.0-2.0), TP-1 at 1 foot, and TP-6 at 1 foot] at concentrations exceeding the DEQ generic RBC for *Soil Ingestion, Dermal Contact, and Inhalation* for occupational, construction worker, and excavation worker receptors. We reviewed the locations and nature of these detections with respect to current and future subject property conditions and note the following conclusions:

- Following improvements, the detected concentrations of lead that exceed the DEQ generic RBC are located beneath new asphalt and imported subgrade aggregate and/or imported topsoil. Based on the nature of overlying cover, we do not anticipate direct contact with the impacted material by individuals using the parking area or other non-construction/excavation personnel.
- A CMMP is in place to protect workers potentially coming into contact with lead-impacted soil and to support the management of soil potentially impacted by metals and other contaminants if encountered during future invasive activities.

Based on this evaluation, we conclude that the presence of metals in selected locations within the north half of the subject property following subject property improvements does not pose unacceptable risk to future subject property occupants. In addition, the subject property-specific CMMP prescribes measures to be taken during any future invasive activities (e.g., utility work) to protect construction and excavation workers.

11.2 RESIDUAL RISK SCREENING – GROUNDWATER

As summarized in Tables 5 and 6, subject property contaminants were not detected in groundwater at concentrations that exceed respective DEQ generic RBCs.

Based on this evaluation, we conclude that the detected concentrations of contaminants in groundwater do not pose unacceptable risk to future subject property occupants or construction/excavation workers. In addition, the subject property-specific CMMP prescribes measures to be taken during any future invasive activities that may require dewatering to appropriately manage groundwater.

11.3 INSPECTION AND MAINTENANCE

Contaminants were not detected at concentrations exceeding applicable DEQ RBCs except for those specific samples described in Section 11.1. The noted sample locations with arsenic and/or lead exceeding applicable RBCs are located beneath hardscape cover and/or approximately 1 foot of imported topsoil material. These covers are expected to prevent direct contact with the impacted material by subject property occupants or other non-construction/excavation personnel. To support the permanence of this protective condition, the asphalt and landscape areas should be inspected periodically to verify that the elements of final cover remain in good condition. If any areas become compromised by natural processes or subject property activity, the cover material should be replaced as needed to maintain separation from the underlying impacted depth(s). A formal maintenance and monitoring plan for this activity is not proposed or necessary.

11.4 RESIDUALS MANAGEMENT PLAN

GeoDesign previously prepared a subject property-specific CMMP for the subject property, which is acceptable for use in guiding the subject property owner and subject property earthwork contractors in proper handling and management of subject property-derived residuals during any future earthwork activities. Therefore, the CMMP dated April 1, 2011, shall serve as the Residuals Management Plan. Upon completion of any future earthwork activities at the subject property, final subject property covers shall be restored to their original condition.

12.0 CONCLUSIONS

GeoDesign and others completed numerous phases of subsurface exploration at the subject property. Earthwork associated with subject property improvements included removal of the most impacted horizon of soil in the south half of the subject property. The elements of final subject property cover are intended to protect against direct-contact with residually impacted soil (i.e., metals) for occupational receptors. Other contaminants were not detected at concentrations exceeding applicable DEQ RBCs for complete exposure pathways identified in the CSM.

The results of our collective data review and risk screening indicate that subsurface impacts related to historical uses are not present at levels which pose unacceptable risk. Based on our evaluations, we present the following lines of evidence indicating that regulatory closure is appropriate:

- Subject property improvements included stripping, grading, and resurfacing of the subject property. This work was completed in accordance with the subject property-specific CMMP prepared specifically for the subject property.
- Residual contaminants exceeding one or more applicable DEQ RBCs include lead and arsenic in the relatively thin horizon of former subject property fill material. Given their nature and depth of occurrence, these contaminants are not considered highly mobile.
- Contaminants were not detected in groundwater samples at concentrations exceeding applicable DEQ generic RBCs for the complete exposure pathways identified in the CSM. Beneficial uses of groundwater or surface water were not identified within ½ mile of the subject property.

- Residually impacted soil is situated in areas covered by hardscapes and/or 1 foot of imported topsoil. These conditions provide additional protectiveness through inhibition of direct contact with residually impacted material by subject property occupants.
- Subject property covers significantly limit contact between residually impacted soil and infiltrated precipitation. As a consequence, stormwater leaving the subject property is not expected to have substantial contact with residually impacted soil and is therefore not subject to contact with ecological receptors.

In summary, the body of chemical analytical data compiled for the subject property and the results of risk screening presented in Section 11 indicate that contaminants in soil and groundwater are not present at concentrations that pose unacceptable residual risk to subject property occupants. The extensive areas of hardscapes and imported cover material associated with subject property improvements provide an effective measure to limit contact with subsurface materials that exhibit residual impact. A subject property-specific CMMP is in place to support future invasive activities that may expose potentially impacted soil to construction or excavation workers.

Based on the information presented herein, site closure appears warranted for the subject property. On behalf of Premium Property – East Block, LLC, we respectfully request that DEQ issue a No Further Action determination for ECSI No. 6326.

13.0 LIMITATIONS

This report has been prepared for the Oregon Department of Environmental Quality on behalf of Premium Property – East Block, LLC. This report is not intended for use by others, and the information contained herein is not applicable to other sites. Reliance by other parties must be approved by NV5 in accordance with our standard contractual process for third-party reliance. Our interpretations are based on data from select samples collected by NV5 and others. The results of the analyses only indicate the presence or absence of those chemical constituents analyzed in those sample locations. The conclusions presented in this report are based on our observations made during field investigations and chemical analytical data. The findings of this assessment should be considered as a professional opinion based on our evaluation of select and limited data.

Our services have been executed in accordance with the generally accepted practices in this area at the time this report was prepared. No warranty or other conditions, express or implied, should be understood.

♦ ♦ ♦

Please call if you have questions concerning the information provided.

Sincerely,

NV5

Erik A. Hedberg, P.E., C.W.R.E
Associate Engineer

Colby R. Hunt, C.H.M.M
Principal

REFERENCES

Allen, J.E., M. Burns, and S. Sargent, 1986, *Cataclysms on the Columbia*: Timber Press, Portland, 211 p.

Beeson, M.H., Tolan, T.L., Madin, I.P., 1989, Geologic Map of the Lake Oswego Quadrangle, Clackamas, Multnomah, and Washington Counties, Oregon: Oregon Department of Geology and Mineral Industries, Geological Map Series GMS-59, 1 map, scale 1:24,000.

Beeson, M.H., Tolan, T.L., Madin, I.P., 1991, Geologic Map of the Portland Quadrangle, Multnomah and Washington Counties, Oregon, and Clark County, Washington: Oregon Department of Geology and Mineral Industries, Geological Map Series GMS-75, 1 map, scale 1:24,000.

Blakely, R.J., Wells, R.E., Tolan, T.L., Beeson, M.H., Trehu, A.M., and Liberty, L.M., 2000, New aeromagnetic data reveal large strike-slip (?) faults in the northern Willamette Valley, Oregon: Geological Society of America Bulletin, v.112, n.8, pp.1225-1233.

Burns, Scott, 1998, Geologic and physiographic provinces of Oregon: p 3-14 *in* Scott Burns, editor, *Environmental, Groundwater and Engineering Geology: Applications from Oregon*: Association of Engineering Geologists, Special Publication 11, 689 p.

DEQ, 1998. *Final Guidance for Conducting Beneficial Water Use Determinations at Environmental Cleanup Sites*. July 1, 1998.

DEQ, 2019. *Clean Fill Determinations*. February 21, 2019.

GeoDesign, Inc., 2016. *Environmental Services Report; Custom Stamping Site; 1340 SE 9th Avenue; Portland, Oregon,* dated August 26, 2016.

GeoDesign, Inc., 2017. *Contaminated Media Management Plan; Custom Stamping Site – East Block; Tax Lots 7200 and 7300; 1001 and 1031 SE Madison Street; Portland, Oregon,* dated September 12, 2017.

Orr, E.L., and W.N. Orr, 1999, *Geology of Oregon*: Kendall/Hunt Publishing Co., Dubuque, Iowa; 254 p.

OWRD, 2022, Well Log Query. Oregon Water Resources Department. Accessed from webpage: http://apps.wrd.state.or.us/apps/gw/well_log.

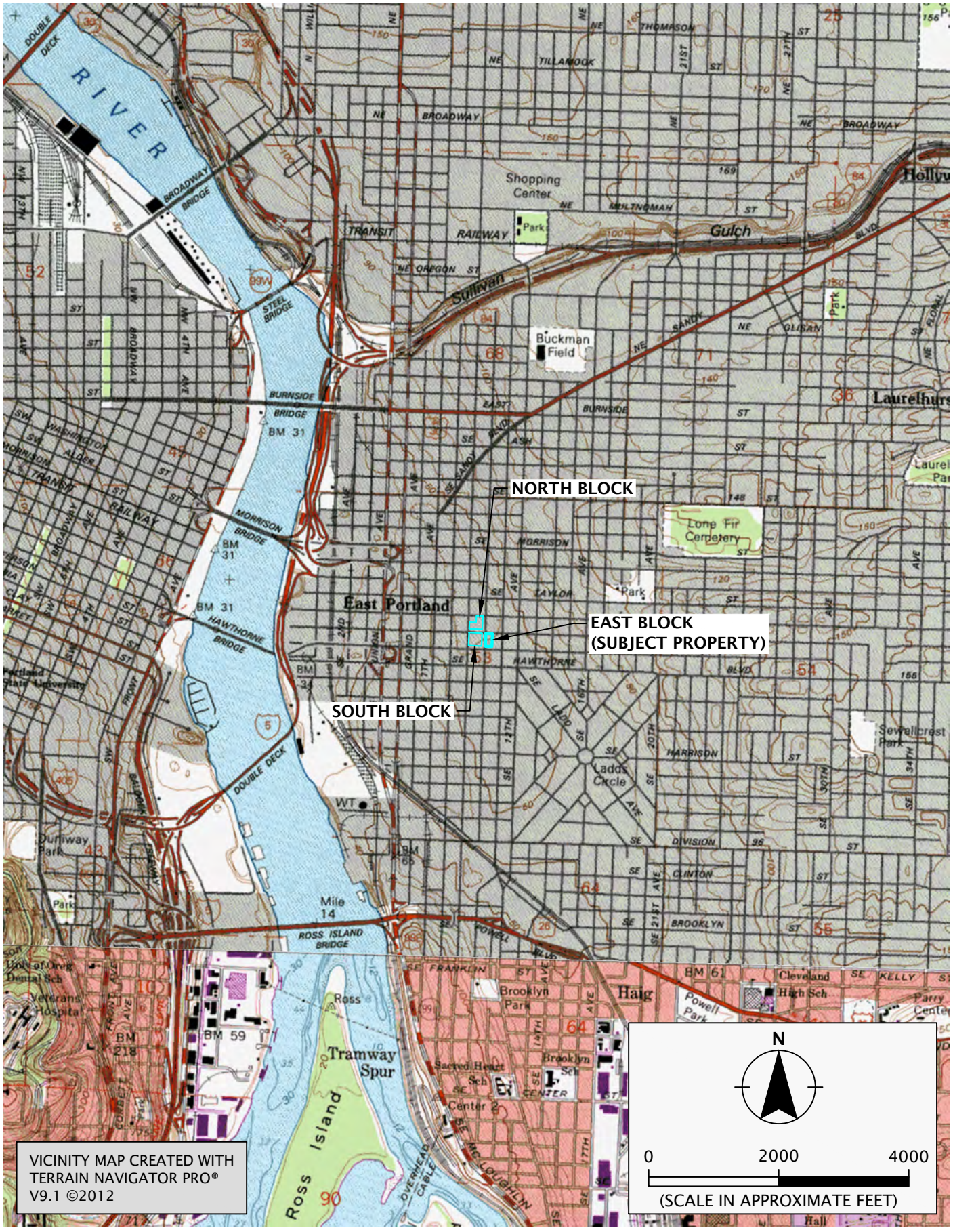
PWB, 2020. *2020 Seasonal Water Supply Augmentation and Contingency Plan; City of Portland, Portland Water Bureau.* June 18, 2020.

Snyder, Daniel T, 2008, Estimated Depth to Ground Water and Configuration of the Water Table in the Portland, Oregon Area, U.S. Geological Survey, Scientific Investigations Report 2008-5059.

Trimble, D.E., 1963, Geology of Portland, Oregon and adjacent areas: U.S. Geological Survey, Bulletin 1119, 119 p, map scale 1:62,500.

WRCC, 2022. Western Regional Climate Center. https://www.wrcc.dri.edu/

FIGURES



NV5	CAPSTONE-12-08	**VICINITY MAP**
	OCTOBER 2022	FORMER CUSTOM STAMPING SITE – EAST BLOCK PORTLAND, OR
		FIGURE 1

Printed By: mmiller | Print Date: 10/31/2022 9:20:48 AM
File Name: J:\A-D\Capstone\capstone-12\capstone-12-08\Figures\CAD\Final Report\Capstone-12-08-VM01.dwg | Layout: FIGURE 1

LEGEND:

FORMER CUSTOM STAMPING BLOCKS BOUNDARY

NOTE:
NORTH, SOUTH, AND EAST BLOCKS SUBJECT TO SEPARATE REDEVELOPMENT.

N

0 60 120

(SCALE IN FEET)

SITE PLAN BASED ON AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH PRO®, JANUARY 9, 2016

SITE PLAN - FORMER CUSTOM STAMPING BLOCKS

FORMER CUSTOM STAMPING SITE - EAST BLOCK
PORTLAND, OR

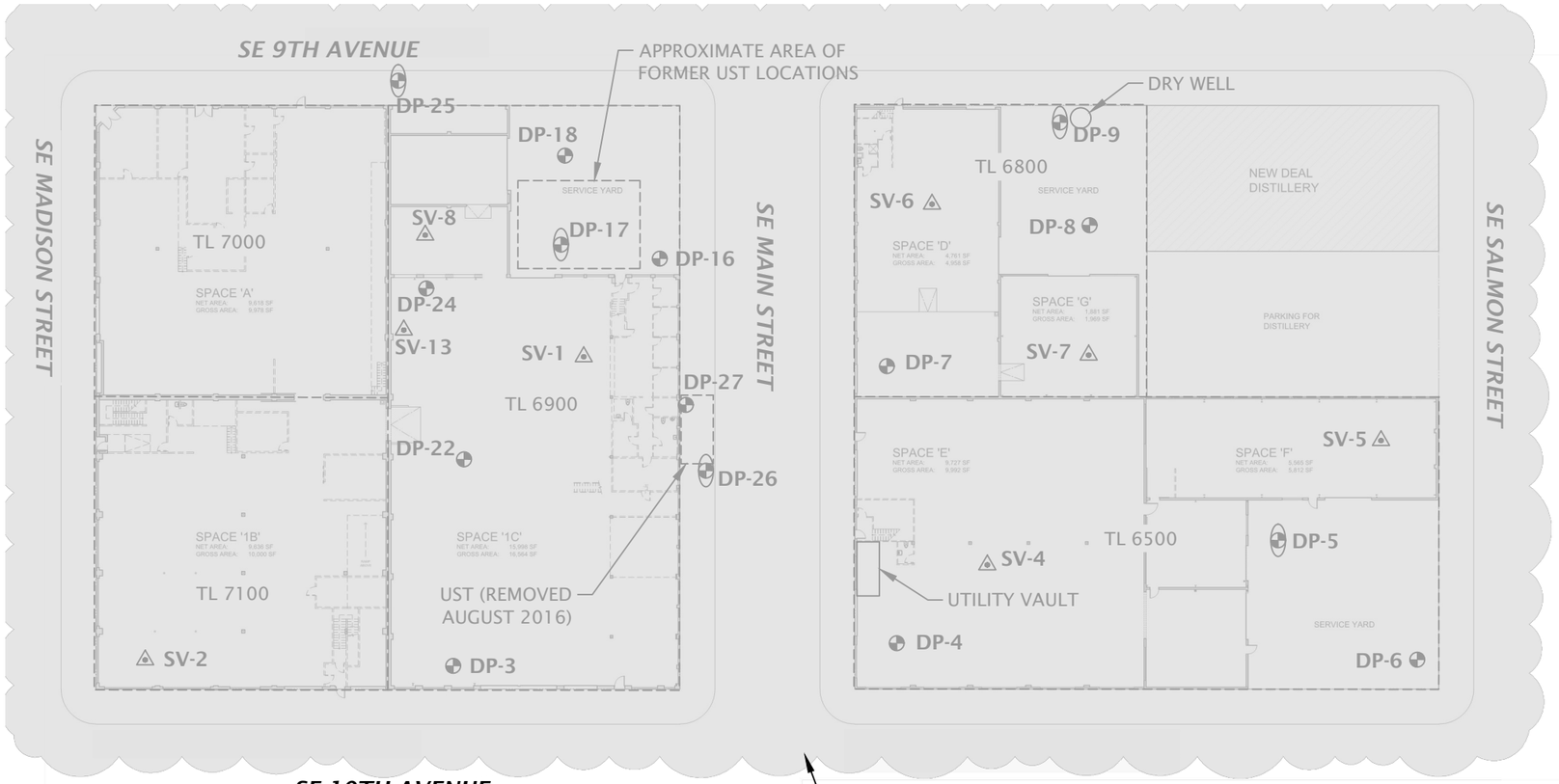
FIGURE 2

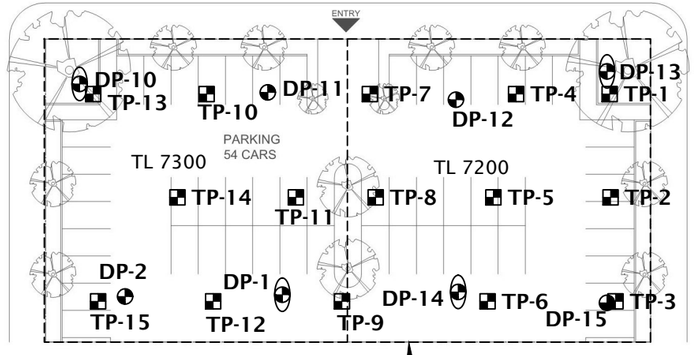
CAPSTONE-12-08

OCTOBER 2022

NV5

Printed By: mmiller | Print Date: 10/31/2022 9:21:01 AM
File Name: J:\A-D\Capstone\capstone-12\capstone-12-08\Figures\CAD\Final Report\Capstone-12-08-SP01.dwg | Layout: FIGURE 2





SE 10TH AVENUE

EAST BLOCK - SEE DETAIL FIGURE 4

LEGEND:

- TAX LOT BOUNDARY
- DP-1 DIRECT-PUSH BORING
- SV-1 VAPOR SAMPLE
- DP-1 GROUNDWATER SAMPLE
- TP-1 TEST PIT (PBS, JULY 2016)

NOTE:
SUBSURFACE CONDITIONS AND ASSOCIATED MANAGEMENT PROCEDURES FOR WORK IN THE SOUTH AND NORTH BLOCKS DESCRIBED IN SEPARATE REPORTS.

N

0 50 100

(SCALE IN FEET)

SITE PLAN BASED ON IMAGE OBTAINED FROM CAPSTONE PARTNERS LLC, MARCH 15, 2016

SUBSURFACE EXPLORATION LOCATIONS (ALL CUSTOM STAMPING BLOCKS)

FIGURE 3

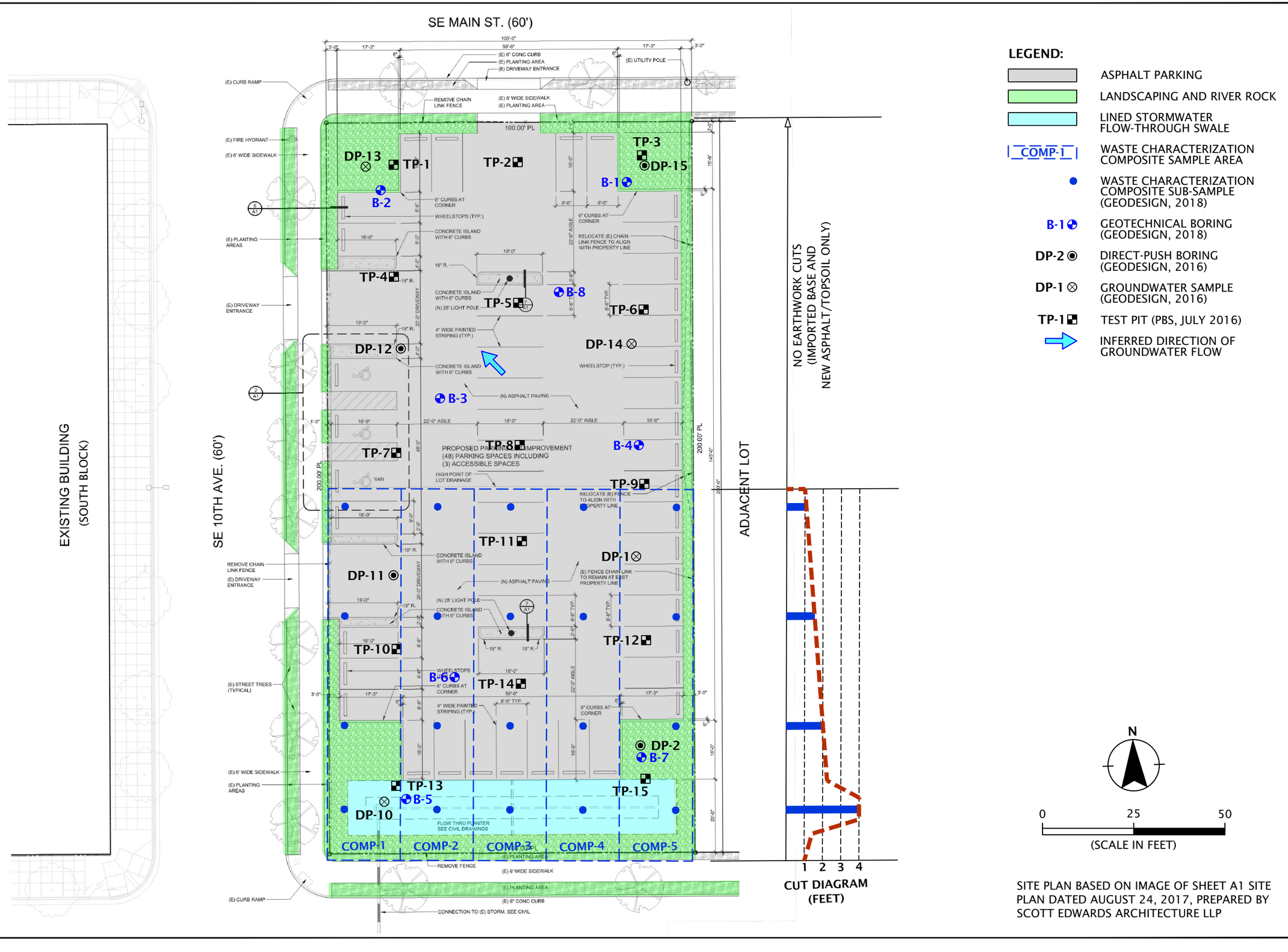
FORMER CUSTOM STAMPING SITE - EAST BLOCK
PORTLAND, OR

CAPSTONE-12-08

OCTOBER 2022

NV5

Printed By: mmiller | Print Date: 10/31/2022 9:21:08 AM
File Name: J:\A-D\Capstone\capstone-12\capstone-12-08\Figures\CAD\Final Report\Capstone-12-08-SP01.dwg | Layout: FIGURE 3



LEGEND:

- ASPHALT PARKING
- LANDSCAPING AND RIVER ROCK
- LINED STORMWATER FLOW-THROUGH SWALE
- COMP-1 — WASTE CHARACTERIZATION COMPOSITE SAMPLE AREA
- WASTE CHARACTERIZATION COMPOSITE SUB-SAMPLE (GEODESIGN, 2018)
- B-1 — GEOTECHNICAL BORING (GEODESIGN, 2018)
- DP-2 — DIRECT-PUSH BORING (GEODESIGN, 2016)
- DP-1 — GROUNDWATER SAMPLE (GEODESIGN, 2016)
- TP-1 — TEST PIT (PBS, JULY 2016)
- INFERRED DIRECTION OF GROUNDWATER FLOW

N

0 25 50

(SCALE IN FEET)

SITE PLAN BASED ON IMAGE OF SHEET A1 SITE PLAN DATED AUGUST 24, 2017, PREPARED BY SCOTT EDWARDS ARCHITECTURE LLP

DETAIL SITE PLAN
EAST BLOCK SUBSURFACE EXPLORATIONS AND IMPROVEMENTS

FIGURE 4

FORMER CUSTOM STAMPING SITE - EAST BLOCK
PORTLAND, OR

CAPSTONE-12-08

OCTOBER 2022

NV5

Printed By: mmiller | Print Date: 10/31/2022 9:21:20 AM
File Name: J:\A-D\Capstone\capstone-12\capstone-12-08\Figures\CAD\Final Report\Capstone-12-08-SP02.dwg | Layout: FIGURE 4

TABLES

TABLE 1
Summary of Soil Sample Chemical Analytical Results
TPH and VOCs
Former Custom Stamping Site - East Block
1001 SE Madison Street
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	Sample Depth (feet BGS)	Field Screening Results		Gasoline-Range Hydrocarbons Method NWTPH-Gx (mg/kg)	Diesel- and Oil-Range Hydrocarbons Method NWTPH-Dx (mg/kg)		VOCs[1] EPA Method 8260B (mg/kg)		
			PID (ppm)	Sheen		Diesel	Residual	Acetone	Benzene	sec-Butylbenzene
Direct-Push Explorations (GeoDesign, April 2016)										
DP-1(15.5-16.5)	04/14/16	15.5-16.0	0.0	NS	**0.388**	**11.1**	**21.7**	ND<0.0723	ND<0.00145	ND<0.00145
DP-2(11.5-12.5)	04/14/16	11.5-12.5	0.2	SS	ND<0.139	ND<5.57	**32.9**	ND<0.0697	ND<0.00139	ND<0.00139
DP-10(12.0-13.0)	04/15/16	12.0-13.0	0.0	NS	ND<0.110	ND<4.42	ND<11.0	ND<0.0552	ND<0.00110	ND<0.00110
DP-11(11.0-12.0)	04/15/16	11.0-12.0	0.0	NS	ND<0.130	ND<5.20	ND<13.0	ND<0.0657	ND<0.00131	ND<0.00131
DP-12(1.5-2.5)	04/15/16	1.5-2.5	0.0	NS	ND<0.169	**13.1**	**43.4**	ND<0.0770	ND<0.00154	ND<0.00154
DP-13(1.0-2.0)	04/15/16	1.0-2.0	0.0	NS	ND<0.171	**22.1**	**57.9**	ND<0.0739	ND<0.00148	ND<0.00148
DP-14(10.0-11.0)	04/15/16	10.0-11.0	106.0	HS	**198**	**1,810**	**2,110**	**0.181**	ND<0.00137	**0.0868**
DP-15(15.0-16.0)	04/15/16	15.0-16.0	0.0	NS	ND<2.91	ND<4.65	**52.0**	ND<0.0715	**0.0021**	ND<0.00143
Test Pit Explorations (PBS, July 2016)										
TP-1-1	07/26/16	1.0	--	--	--	**21.5**	**68**	--	--	--
TP-3-3	07/26/16	3.0	--	--	--	**71**	**731**	--	--	--
TP-6-1	07/26/16	1.0	--	--	--	**113**	**687**	--	--	--
TP-14-1	07/22/16	1.0	--	--	--	ND<47.9	ND<120	--	--	--
TP-15-2	07/22/16	2.0	--	--	--	ND<48.7	ND<122	--	--	--
Geotechnical Boring Split Sample Field Screening Results (GeoDesign, July 2018)										
B-1	07/05/18	2.5	--	NS	--	--	--	--	--	--
		5.0	--	NS	--	--	--	--	--	--
		7.5	--	NS	--	--	--	--	--	--
		10.0	--	NS	--	--	--	--	--	--
		12.5	--	NS	--	--	--	--	--	--
		15.0	--	NS	--	--	--	--	--	--
		20.0	0.6	NS	--	--	--	--	--	--
		25.0	--	NS	--	--	--	--	--	--
B-2	07/05/18	2.5	0.6	NS	--	--	--	--	--	--
		5.0	0.8	NS	--	--	--	--	--	--
		7.5	1.1	NS	--	--	--	--	--	--
		10.0	0.6	NS	--	--	--	--	--	--
		12.5	0.5	NS	--	--	--	--	--	--
		15.0	0.6	NS	--	--	--	--	--	--
		17.5	1.0	NS	--	--	--	--	--	--
		20.0	1.3	NS	--	--	--	--	--	--
		25.0	--	NS	--	--	--	--	--	--
		27.5	0.6	NS	--	--	--	--	--	--
		30.0	--	NS	--	--	--	--	--	--
		35.0	--	NS	--	--	--	--	--	--
B-3	07/05/18	2.5	0.8	NS	--	--	--	--	--	--
		5.0	0.8	NS	--	--	--	--	--	--
		7.5	0.6	NS	--	--	--	--	--	--
		10.0	0.6	NS	--	--	--	--	--	--
		12.5	0.8	NS	--	--	--	--	--	--
		15.0	--	NS	--	--	--	--	--	--
		17.5	0.7	NS	--	--	--	--	--	--
B-4	07/05/18	2.5	--	NS	--	--	--	--	--	--
		5.0	0.7	NS	--	--	--	--	--	--
		7.5	--	NS	--	--	--	--	--	--
		10.0	--	NS	--	--	--	--	--	--
		12.5	0.4	NS	--	--	--	--	--	--
		15.0	--	NS	--	--	--	--	--	--
		17.5	0.8	NS	--	--	--	--	--	--
		25.0	--	NS	--	--	--	--	--	--
		30.0	--	NS	--	--	--	--	--	--
		35.0	--	NS	--	--	--	--	--	--
B-5	07/06/22	2.5	--	NS	--	--	--	--	--	--
		5.0	--	NS	--	--	--	--	--	--
		7.5	--	NS	--	--	--	--	--	--
		10.0	--	NS	--	--	--	--	--	--
		12.5	--	NS	--	--	--	--	--	--
		15.0	--	NS	--	--	--	--	--	--
		20.0	--	NS	--	--	--	--	--	--

TABLE 1
Summary of Soil Sample Chemical Analytical Results
TPH and VOCs
Former Custom Stamping Site - East Block
1001 SE Madison Street
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	Sample Depth (feet BGS)	Field Screening Results		Gasoline-Range Hydrocarbons Method NWTPH-Gx (mg/kg)	Diesel- and Oil-Range Hydrocarbons Method NWTPH-Dx (mg/kg)		VOCs[1] EPA Method 8260B (mg/kg)		
			PID (ppm)	Sheen		Diesel	Residual	Acetone	Benzene	sec-Butylbenzene
B-6	07/06/22	2.5	--	NS	--	--	--	--	--	--
		5.0	--	NS	--	--	--	--	--	--
		7.5	--	NS	--	--	--	--	--	--
		10.0	--	NS	--	--	--	--	--	--
		12.5	--	NS	--	--	--	--	--	--
		15.0	--	NS	--	--	--	--	--	--
		20.0	--	NS	--	--	--	--	--	--
B-7	07/06/18	2.5	0.9	NS	--	--	--	--	--	--
		5.0	0.8	NS	--	--	--	--	--	--
		7.5	0.8	NS	--	--	--	--	--	--
		10.0	0.9	NS	--	--	--	--	--	--
		12.5	1.9	SS	--	--	--	--	--	--
		15.0	1.8	SS	--	--	--	--	--	--
		20.0	--	NS	--	--	--	--	--	--
		25.0	--	NS	--	--	--	--	--	--
		30.0	--	NS	--	--	--	--	--	--
B-8	07/06/18	2.5	--	NS	--	--	--	--	--	--
		5.0	0.6	NS	--	--	--	--	--	--
		7.5	--	NS	--	--	--	--	--	--
		10.0	--	NS	--	--	--	--	--	--
		12.5	--	NS	--	--	--	--	--	--
		15.0	--	--	--	--	--	--	--	--
		25.0	1.7	MS	--	--	--	--	--	--
		30.0	1.6	SS	--	--	--	--	--	--
DEQ Generic RBCs[2]										
Ingestion, Dermal Contact, and Inhalation										
Occupational					20,000	14,000	NE	NE	37	NE
Construction Worker					9,700	4,600	NE	NE	380	NE
Excavation Worker					>Max	>Max	NE	NE	11,000	NE
Volatilization to Outdoor Air										
Occupational					69,000	>Max	NE	NE	50	NE
DEQ CFSLs[3]					31	1,100	NE	1.2	0.023	350

Notes:
1. Only detected VOCs are shown. Refer to the laboratory reports for a full listing of all analytes.
2. DEQ Generic RBCs dated May 2018
3. DEQ CFSLs dated February 21, 2019

>Csat: This soil RBC exceeds the limit of three-phase equilibrium partitioning. Refer to Appendix D of DEQ's RBDM guidance document for the corresponding value of Csat. Soil concentrations in excess of Csat indicate that free product might be present.

>Max: The constituent RBC for this pathway is calculated as greater than 1,000,000 mg/kg or 1,000,000 mg/L. Therefore, this substance is deemed not to pose risks in this scenario.

MS: moderate sheen
ND: not detected at concentrations above the reference laboratory RDL
NS: no sheen
SS: slight sheen
Bolding indicates analyte detection.
--: not analyzed

TABLE 2
Summary of Soil Sample Chemical Analytical Results
PAHs
Former Custom Stamping Site - East Block
1001 SE Madison Street
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	Sample Depth (feet BGS)	PAHs EPA Method 8270D-SIM (mg/kg)																	
			Anthracene	Acenaphthene	Acenaphthylene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Chloronaphthalene
Direct-Push Explorations (GeoDesign, April 2016)																				
DP-1(15.5-16.5)	04/14/16	15.5-16.0	**0.0117**	**0.0201**	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	**0.0217**	ND<0.00868	ND<0.00868	ND<0.0289	**0.0652**	**0.0255**	ND<0.0289	ND<0.0289	ND<0.0289
DP-2(11.5-12.5)	04/14/16	11.5-12.5	ND<0.00836	ND<0.00836	ND<0.00836	**0.0105**	**0.0264**	**0.0317**	**0.0386**	ND<0.00836	**0.0159**	ND<0.00836	**0.0146**	ND<0.00836	**0.0226**	ND<0.0279	**0.00897**	**0.0206**	ND<0.0279	ND<0.0279	ND<0.0279
DP-10(12.0-13.0)	04/15/16	12.0-13.0	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.0221	ND<0.00663	ND<0.00663	ND<0.0221	ND<0.0221	ND<0.0221
DP-11(11.0-12.0)	04/15/16	11.0-12.0	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.0260	ND<0.00780	ND<0.00780	ND<0.0260	ND<0.0260	ND<0.0260
DP-12(1.5-2.5)	04/15/16	1.5-2.5	ND<0.00840	ND<0.00840	ND<0.00840	**0.0452**	**0.0722**	**0.127**	**0.118**	**0.0401**	**0.0673**	**0.0173**	**0.0705**	ND<0.00840	**0.0778**	ND<0.0280	**0.0549**	**0.0928**	ND<0.0280	ND<0.0280	ND<0.0280
DP-13(1.0-2.0)	04/15/16	1.0-2.0	**0.0312**	ND<0.0161	ND<0.0161	**0.141**	**0.413**	**0.418**	**0.696**	**0.106**	**0.206**	**0.0508**	**0.319**	ND<0.0161	**0.395**	**0.101**	**0.252**	**0.492**	**0.169**	**0.156**	ND<0.0537
DP-14(10.0-11.0)	04/15/16	10.0-11.0	**0.267**	**0.451**	**0.100**	**0.198**	**0.205**	**0.206**	**0.110**	**0.106**	**0.296**	ND<0.0820	**0.631**	**0.840**	ND<0.0820	**0.738**	**0.306**	**0.668**	ND<0.273	ND<0.273	ND<0.273
DP-15(15.0-16.0)	04/15/16	15.0-16.0	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.116	ND<0.0349	ND<0.0349	ND<0.116	ND<0.116	ND<0.116
Test Pit Explorations (PBS, July 2016)																				
TP-1-1	07/26/16	1.0	ND<0.00951	ND<0.00951	ND<0.00951	**0.0699**	**0.127**	**0.187**	**0.131**	**0.0488**	**0.11**	**0.0179**	**0.137**	ND<0.00951	**0.0974**	**0.0383**	**0.0364**	**0.161**	ND<0.0317	ND<0.0317	ND<0.0317
TP-3-3	07/26/16	3.0	ND<0.174	ND<0.174	ND<0.174	**0.586**	**0.974**	**1.06**	**1.23**	**0.291**	**0.887**	**0.195**	**0.849**	ND<0.174	**0.74**	ND<0.579	**0.381**	**1.03**	ND<0.579	ND<0.579	ND<0.579
TP-6-1	07/26/16	1.0	ND<0.0356	ND<0.0356	ND<0.0356	**0.0628**	**0.101**	**0.124**	**0.126**	ND<0.0356	0.0904	ND<0.0356	**0.152**	ND<0.0356	**0.0829**	ND<0.119	**0.0937**	**0.129**	ND<0.119	ND<0.119	ND<0.119
TP-14-1	07/22/16	1.0	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	**0.151**	**0.0523**	ND<0.0360	**0.241**	**0.267**	ND<0.0360
TP-15-2	07/22/16	2.0	ND<0.00730	ND<0.00730	ND<0.00730	ND<0.00730	**0.0101**	**0.0106**	**0.0107**	ND<0.00730	**0.00894**	ND<0.00730	**0.0158**	ND<0.00730	ND<0.00730	ND<0.00730	**0.00812**	**0.0179**	ND<0.00730	ND<0.00730	ND<0.00730
DEQ Generic RBCs[1]																					
Ingestion, Dermal Contact, and Inhalation																					
Occupational			350,000	70,000	NE	21	2.1	21	NE	210	2,100	2.1	30,000	47,000	21	23	NE	23,000	NE	NE	NE
Construction Worker			110,000	21,000	NE	170	17	170	NE	1,700	17,000	17	10,000	14,000	170	580	NE	7,500	NE	NE	NE
Excavation Worker			>Max	590,000	NE	4,800	490	4,900	NE	49,000	490,000	490	280,000	390,000	4,900	16,000	NE	210,000	NE	NE	NE
Volatilization to Outdoor Air																					
Occupational			>Max	>Max	NE	>Csat	NV	NV	NE	NV	NV	NV	NV	>Max	NV	83	NE	>Max	NE	NE	NE
DEQ CFSLs[2]			7	0.25	120	0.73	0.11	1.1	25	11	3.1	0.11	10	3.7	1.1	0.077	6	10	0.36	11	230

Notes:
1. DEQ Generic RBCs dated May 2018
2. DEQ CFSLs dated February 21, 2019
>Csat: This soil RBC exceeds the limit of three-phase equilibrium partitioning. Refer to Appendix D of DEQ's RBDM guidance document for the corresponding value of Csat. Soil concentrations in excess of Csat indicate that free product might be present.
>Max: The constituent RBC for this pathway is calculated as greater than 1,000,000 mg/kg or 1,000,000 mg/L. Therefore, this substance is deemed not to pose risks in this scenario.
ND: not detected at concentrations above the laboratory RDL
NV: chemical is considered non-volatile
Bolding indicates analyte detection.

TABLE 3
Summary of Soil Sample Chemical Analytical Results
Total Metals and TCLP Lead
Former Custom Stamping Site - East Block
1001 SE Madison Street
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	Sample Depth (feet BGS)	Total Metals EPA Methods 6010B/7471A (mg/kg)								TCLP Lead EPA Method 6020 (mg/L)
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	
Direct-Push Explorations (GeoDesign, April 2016)											
DP-12(1.5-2.5)	04/15/16	1.5-2.5	**11.1**	**700**	**3.8**	**16.2**	**1,780**	**0.108**	ND<2.80	ND<1.40	–
DP-13(1.0-2.0)	04/15/16	1.0-2.0	**13.3**	**1,580**	**2.48**	**23.7**	**3,550**	**0.378**	ND<2.69	ND<6.72	–
DP-14(10.0-11.0)	04/15/16	10.0-11.0	**10.8**	**149**	ND<0.684	**14.7**	**49.9**	**0.0601**	ND<2.74	ND<1.37	–
Test Pit Explorations (PBS, July 2016)											
TP-1	07/26/16	1.0	**9.46**	**1,160**	**1.35**	**28.5**	**(326)/1,180 Split Sample 3,940**	**0.28**	ND<3.17	ND<1.59	–
		2.0	–	–	–	–	**(427)**	–	–	–	–
		3.0	–	–	–	–	**(117)**	–	–	–	–
TP-2	07/26/16	1.0	–	–	–	–	**(451)**	–	–	–	–
		2.0	–	–	–	–	**(294)**	–	–	–	–
		3.0	–	–	–	–	**(154)**	–	–	–	–
TP-3	07/26/16	1.0	–	–	–	–	**(497)**	–	–	–	–
		2.0	–	–	–	–	**(271)**	–	–	–	–
		3.0	**11.3**	**1,500**	**1.37**	**40.5**	**(645)/607 Split Sample 697**	**0.324**	ND<2.89	ND<1.45	–
TP-4	07/26/16	1.0	–	–	–	–	(ND<13)	–	–	–	–
		2.0	–	–	–	–	**(29)**	–	–	–	–
		3.0	–	–	–	–	**(92)**	–	–	–	–
TP-5	07/26/16	1.0	–	–	–	–	**(383)**	–	–	–	–
		2.0	–	–	–	–	**(70)**	–	–	–	–
		3.0	–	–	–	–	**(30)**	–	–	–	–
TP-6	07/26/16	1.0	**12.6**	**446**	**6.22**	**25.9**	**(435)/391 Split Sample 2,240**	**0.08**	ND<2.37	ND<1.19	–
		2.0	–	–	–	–	**(41)**	–	–	–	–
		3.0	–	–	–	–	**(17)**	–	–	–	–
TP-7	07/26/16	1.0	–	–	–	–	**(295)**	–	–	–	–
		2.0	–	–	–	–	(ND<13)	–	–	–	–
		3.0	–	–	–	–	**(15)**	–	–	–	–
TP-8	07/26/16	1.0	–	–	–	–	**(239)**	–	–	–	–
		2.0	–	–	–	–	**(28)**	–	–	–	–
		3.0	–	–	–	–	**(45)**	–	–	–	–
TP-9	07/22/16	1.0	–	–	–	–	**(344)**	–	–	–	–
		2.0	–	–	–	–	**(141)**	–	–	–	–
		3.0	–	–	–	–	**(91)**	–	–	–	–
TP-10	07/22/16	1.0 [3]	–	–	–	–	(ND<13)	–	–	–	–
		2.0	–	–	–	–	**(17)**	–	–	–	–
		3.0	–	–	–	–	(ND<14)	–	–	–	–
TP-11	07/22/16	1.0 [3]	–	–	–	–	**(437)**	–	–	–	–
		2.0	–	–	–	–	**(22)**	–	–	–	–
		3.0	–	–	–	–	**(62)**	–	–	–	–

TABLE 3
Summary of Soil Sample Chemical Analytical Results
Total Metals and TCLP Lead
Former Custom Stamping Site - East Block
1001 SE Madison Street
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	Sample Depth (feet BGS)	Total Metals EPA Methods 6010B/7471A (mg/kg)								TCLP Lead EPA Method 6020 (mg/L)
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver	
TP-12	07/22/16	1.0 [3]	–	–	–	–	**(1,003)**	–	–	–	–
		2.0	–	–	–	–	**(63)**	–	–	–	–
		3.0	–	–	–	–	**(56)**	–	–	–	–
TP-13	07/22/16	1.0 [3]	–	–	–	–	(ND<13)	–	–	–	–
		2.0 [3]	–	–	–	–	(ND<13)	–	–	–	–
		3.0 [3]	–	–	–	–	(ND<13)	–	–	–	–
TP-14	07/22/16	1.0 [3]	**6.2**	**136**	ND<0.599	**15.6**	**(159)/232 Split Sample 82.9**	0.0990	ND<2.40	ND<1.20	–
		2.0 [3]	–	–	–	–	**(29)**	–	–	–	–
		3.0	–	–	–	–	**(22)**	–	–	–	–
TP-15-2	07/22/16	1.0 [3]	–	–	–	–	**(1,300)**	–	–	–	–
		2.0 [3]	**12.9**	**1,200**	**2.00**	**38.9**	**(1,063)/1,110 Split Sample 1,660**	**0.330**	ND<2.43	**1.82**	–
		3.0 [3]	–	–	–	–	**(25)**	–	–	–	
Waste Characterization Composite Samples (GeoDesign, July 2018)											
Comp-1	07/03/18	0-4	–	–	–	–	–	–	–	–	ND<0.0500
Comp-2	07/03/18	0-4	–	–	–	–	–	–	–	–	ND<0.0500
Comp-3	07/03/18	0-4	–	–	–	–	–	–	–	–	ND<0.0500
Comp-4	07/03/18	0-4	–	–	–	–	–	–	–	–	ND<0.0500
Comp-5	07/03/18	0-4	–	–	–	–	–	–	–	–	**0.222**
DEQ Generic RBCs[1]											
Ingestion, Dermal Contact, and Inhalation											
Occupational			1.9[4]	220,00	1,100	>Max	800	350	NE	5,800	NE
Construction Worker			15[4]	69,000	350	530,000	800	110	NE	1,800	NE
Excavation Worker			420	>Max	9,700	>Max	800	2,900	NE	49,000	NE
DEQ CFSLs[2] and Background Metals Concentrations for the Portland Basin			8.8	790	0.63	76	28	0.23	0.71	0.82	NE

Notes:
1. DEQ Generic RBCs dated May 2018
2. DEQ CFSLs dated February 21, 2019
3. Sample location and depth represents material that was subsequently removed during construction and transported offsite for disposal.
4. While the detected concentrations of arsenic are greater than this RBC, they are within the range of naturally occurring arsenic concentrations in soil in this area.

Values in parenthesis reflect estimated total lead concentration based on XRF readings collected by PBS in July 2016. Refer to PBS report appended to the CMMP in Appendix A. GeoDesign collected split samples from selected test pits for separate laboratory analysis as noted.
>Max: The constituent RBC for this pathway is calculated as greater than 1,000,000 mg/kg or 1,000,000 mg/L. Therefore, this substance is deemed not to pose risks in this scenario.
ND: not detected at concentrations above the laboratory RDL
Bolding indicates analyte detection.
Orange shading indicates value exceeding one or more DEQ RBCs.
--: not analyzed

TABLE 4
Summary of Soil Sample Analytical Results
PCBs
Former Custom Stamping Site - East Block
1001 SE Madison Street
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	PCBs EPA Method 8082 (mg/kg)						
		Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
Direct-Push Explorations (GeoDesign, April 2016)								
DP-12(1.5-2.5)	04/15/16	ND<0.0238	ND<0.0238	ND<0.0238	ND<0.0238	ND<0.0238	ND<0.0238	ND<0.0238
DP-13(1.0-2.0)	04/15/16	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228
DP-14(10.0-11.0)	04/15/16	ND<0.0233	ND<0.0233	ND<0.0233	ND<0.0233	ND<0.0233	ND<0.0233	ND<0.0233
Test Pit Explorations (PBS, July 2016)								
TP-1-1	07/26/16	ND<0.0204	ND<0.0204	ND<0.0204	ND<0.0204	ND<0.0204	ND<0.0204	ND<0.0204
TP-3-3	07/26/16	ND<0.0207	ND<0.0207	ND<0.0207	ND<0.0207	ND<0.0207	ND<0.0207	ND<0.0207
TP-6-1	07/26/16	ND<0.0202	ND<0.0202	ND<0.0202	ND<0.0202	ND<0.0202	ND<0.0202	ND<0.0202
DEQ Generic RBCs[1]								
Soil Ingestion, Dermal Contact, and Inhalation								
Occupational		0.59						
Construction Worker		4.9						
Excavation Worker		140						
Volatilization to Outdoor Air								
Occupational		>Csat						
DEQ CFSLs[2]		1.1	0.0048	0.0048	0.041	0.0073	0.041	0.24

Notes:
1. DEQ Generic RBCs dated May 2018
2. DEQ CFSLs dated February 21, 2019
>Csat: This soil RBC exceeds the limit of three-phase equilibrium partitioning. Refer to Appendix D of DEQ's RBDM guidance document for the corresponding value of Csat. Soil concentrations in excess of Csat indicate that free product might be present.
ND: not detected at concentrations above the laboratory RDL

TABLE 5
Summary of Groundwater Sample Chemical Analytical Results[1]
TPH and VOCs
Former Custom Stamping Site - East Block
1001 SE Madison Street
Portland,Oregon

Sample I.D.	Sample Date	Sample Depth (feet BGS)	Gasoline-Range Hydrocarbons Method NWTPH-Gx (µg/L)	Diesel- and Oil-Range Hydrocarbons Method NWTPH-Dx (µg/L)		VOCs[1] EPA Method 8260B (µg/L)										
				Diesel	Residual	n-Butylbenzene	sec-Butylbenzene	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,2,3-Trimethylbenzene	1,3,5-Trimethylbenzene
Direct-Push Explorations (GeoDesign, April 2016)																
DP-1	04/14/16	15-25	ND<100	**270**	**336**	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DP-10	04/15/16	13-20	ND<100	ND<100	ND<250	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DP-13	04/15/16	11-20	ND<100	ND<100	ND<250	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DP-14	04/15/16	12-20	**134**	**834**	**1,050**	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DEQ Generic RBCs[2]																
Volatilization to Outdoor Air																
Occupational			>S	>S	NE	NE	NE	>S	43,000	>S	16,000	NE	20,000	>S	NE	>S
Groundwater in Excavation																
Construction/Excavation Worker			14,000	>S	NE	NE	NE	18,000	4,500	51,000	500	NE	430	6,300	NE	7,500

Notes:
1. Only the detected analytes are shown. Refer to laboratory report for full analyte listing.
2. DEQ Generic RBCs dated May 2018
ND: not detected at concentrations above the laboratory RDL
>S: This groundwater RBC exceeds the solubility limit(s). Groundwater concentrations in excess of S indicated that free product may be present.
Bolding indicates analyte detection.

TABLE 6
Summary of Groundwater Sample Chemical Analytical Results
Total Metals
Former Custom Stamping Site - East Block
1001 SE Madison Street
Portland, Oregon

Sample I.D.	Sample Date	Sample Depth (feet BGS)	Total Metals EPA Method 6010B (µg/L)							
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
April 2016 Explorations (GeoDesign)										
DP-14	04/15/16	12-20	ND<10.0	**789**	**3.85**	**14.1**	**1,230**	ND<0.20	ND<10.0	ND<5.00
DEQ Generic RBCs[1]										
Volatilization to Outdoor Air										
Occupational			NV	NV	NV	NV	NV	NV	NE	NV
Groundwater in Excavation										
Construction/Excavation Worker			6,300	>S	130,000	>S	>S	>S	NE	1,100,000

Notes:
1. DEQ Generic RBCs dated May 2018
ND: not detected at concentrations above the laboratory RDL
NV: chemical is considered non-volatile
>S: This groundwater RBC exceeds the solubility limit(s). Groundwater concentrations in excess of S indicated that free product may be present.
Bolding indicates analyte detection

APPENDIX A

APPENDIX A

PRIOR ENVIRONMENTAL REPORTS

GeoDesign INC

ENVIRONMENTAL SERVICES REPORT

Custom Stamping Site
1340 SE 9th Avenue
Portland, Oregon

For
Capstone Partners, LLC
August 26, 2016

GeoDesign Projects: Capstone-12-02 and 12-03

GeoDesign Inc

August 26, 2016

Capstone Partners, LLC
1015 NW 11th Avenue, Suite 243
Portland, OR 97209

Attention: Chris Nelson

Environmental Services Report
Custom Stamping Site
1340 SE 9th Avenue
Portland, Oregon
GeoDesign Projects: Capstone-12-02 and 12-03

GeoDesign, Inc. is pleased to submit this Environmental Services Report for the Custom Stamping Site located at 1340 SE 9th Avenue in Portland, Oregon. This report summarizes our completion of a Phase I ESA, limited hazardous building materials survey, and follow-up Phase II ESA activities based on the Phase I ESA findings.

The Phase I ESA was completed in conformance with the standards and practices for all appropriate inquiries specified in Title 40, Chapter I of CFR Part 312 and ASTM Practice E 1527-13. The baseline ACM survey was completed in general accordance with ASTM E 2356-14. Our follow-up Phase II ESA activities were completed in a series of phases, which built upon prior subsurface data collected throughout the testing program.

Contractual terms for our services are contained in our proposals dated February 19, March 28, and May 10, 2016.

♦ ♦ ♦

We appreciate the opportunity to be of service to Capstone Partners, LLC. Please contact us if you have questions regarding this report.

Sincerely,

GeoDesign, Inc.

Robert E. Belding, R.G.
Principal Geologist

cc: Lauren Golden Jones, Capstone Partners, LLC (via email only)

KMC:EAH:REB:kt
Attachments
One copy submitted (via email only)
Document ID: Capstone-12-02&12-03-082616-envr.docx
© 2016 GeoDesign, Inc. All rights reserved.

TABLE OF CONTENTS **PAGE NO.**

1.0	INTRODUCTION		1
2.0	PURPOSE		1
	2.1	Phase I ESA	1
	2.2	Limited Hazardous Building Materials Survey	2
	2.3	Limited Subsurface Investigation	2
3.0	SCOPE OF SERVICES		2
	3.1	Phase I ESA	2
	3.2	Limited Hazardous Building Materials Survey	3
	3.3	Limited Subsurface Investigation	4
4.0	PROJECT SITE AND VICINITY DESCRIPTION		5
5.0	USER-PROVIDED INFORMATION		6
6.0	ENVIRONMENTAL RECORDS REVIEW		6
	6.1	Project Site	6
	6.2	Surrounding Sites	7
	6.3	Orphan Sites	8
	6.4	City of Portland Fire Bureau	9
	6.5	PBOT	9
7.0	PROJECT SITE HISTORY AND BACKGROUND		9
	7.1	Project Site	10
	7.2	Adjoining Sites	11
8.0	SITE RECONNAISSANCE		11
	8.1	General Project Site Use	11
	8.2	Surrounding Property Use	15
9.0	INTERVIEWS		15
	9.1	Current Owner and Occupant	15
	9.2	State or Local Government Official	15
10.0	LIMITED HAZARDOUS BUILDING MATERIALS SURVEY		15
	10.1	Baseline ACM Survey	16
	10.2	LBP Survey	16
11.0	LIMITED SUBSURFACE INVESTIGATION		17
	11.1	Geophysical Survey	17
	11.2	Sub-Slab Vapor Sampling and Sub-Slab Vapor Screening	17
	11.3	Subsurface Explorations	18
	11.4	Chemical Analytical Program	19
	11.5	Regulatory Screening Levels	19
	11.6	Soil Vapor Chemical Analytical Results	20
	11.7	Direct-Push Explorations – Soil Chemical Analytical Results	20
	11.8	Shallow Soil Sampling – Tax Lots 7200 and 7300	22
	11.9	Groundwater Chemical Analytical Results	23
12.0	DATA GAPS		24
13.0	CONCLUSIONS AND RECOMMENDATIONS		24
14.0	DECLARATIONS		26
15.0	LIMITATIONS		26

TABLE OF CONTENTS **PAGE NO.**

FIGURES

Vicinity Map Figure 1
Site Plan Figures 2 – 3
Project Site Photographs Figures 4 – 5
Site Plan – ACM and LBP Sampling Figure 6
ACM Sampling Photographs Figures 7 – 11
Site Plan – Subsurface Exploration Locations Figures 12 – 13

TABLES

Summary of Suspect ACM Analytical Results Table 1
Summary of LBP Survey Results Table 2
Summary of Vapor Sample Chemical Analytical Results – Sub-Slab Vapor Samples – TPH and VOCs Table 3
Summary of Soil Sample Chemical Analytical Results – TPH and VOCs Table 4
Summary of Soil Sample Chemical Analytical Results – PAHs Table 5
Summary of Soil Sample Chemical Analytical Results – Total Metals Table 6
Summary of Soil Sample Chemical Analytical Results – PCBs Table 7
Summary of Groundwater Sample Chemical Analytical Results – TPH and VOCs Table 8
Summary of Groundwater Sample Chemical Analytical Results – Total Metals Table 9
Summary of Groundwater Sample Chemical Analytical Results – PAHs Table 10

APPENDICES

Appendix A
Firm Profile
Resumes of Project Personnel
Appendix B
Regulatory Database Information
Appendix C
Historical Information
Appendix D
ACM Laboratory Report
Appendix E
Geophysical Survey Report
Appendix F
Subsurface Explorations F-1
Exploration Key Table F-1
Soil Classification System Table F-2
Boring Logs Figures A-1 – A-35
Appendix G
Chemical Analytical Program G-1
Chemical Analytical Laboratory Reports

TABLE OF CONTENTS **PAGE NO.**

APPENDICES (continued)
Appendix H
PBS Lead Sampling Memorandum

ACRONYMS AND ABBREVIATIONS

1.0 INTRODUCTION

This report summarizes the results of our environmental services completed at the Custom Stamping Site located at 1340 SE 9th Avenue in Portland Oregon (project site). The project site is currently occupied by Custom Stamping & Manufacturing Company and includes five industrial buildings, paved service yards and storage area, and a graveled parking lot. The project site occupies approximately two and a half city blocks and the following tax lots of Multnomah County Tax Map 1S1E02BD:

Tax Lot	Address	Owner	Size (acres)	Use	SEA Space I.D.
6500	925 SE Main Street	Stoudt Family Properties LLC	0.46	Presses, Machining, Storage	E, F, Service Yard
6800	1240 SE 9th Avenue		0.23	Shipping, Storage	D,G, Service Yard
6900	1306 SE 9th Avenue		0.46	Offices, Presses	1C, Service Yard
7000	1340 SE 9th Avenue	Custom Stamping & Manufacturing Company	0.23	Heavy Equipment, Storage, Second Floor Offices	A
7100	923 SE Madison Street	Stoudt Family Properties LLC	0.23	Heavy Equipment	1B
7200	1031 SE Madison Street	Custom Stamping & Manufacturing Company	0.23	Paved Storage Lot	Storage
7300	1001 SE Madison Street		0.23	Graveled Parking	Parking

The project site is shown relative to surrounding physical features on Figure 1. Throughout this report project site features, historical observations, and sample locations will be referenced by the SEA Space I.D. An overlay of the tax lots and SEA Space I.D.s are shown on Figure 2. The project site layout and surrounding properties are shown on Figure 3. GeoDesign's firm profile and resumes of project personnel are presented in Appendix A. Acronyms and abbreviations used herein are defined at the end of this document.

2.0 PURPOSE

2.1 PHASE I ESA

2.1.1 Protection from CERCLA Liability

One purpose for conducting a Phase I ESA is to undertake all appropriate inquiries into prior ownership and uses of a property so that a prospective purchaser may potentially claim protection from CERCLA and/or state liability as an innocent landowner, a bona fide prospective purchaser, or a contiguous property owner. The standards and practices for all appropriate inquiries are specified in Title 40, Chapter I of CFR Part 312 and ORS 465. The inquiry must be

conducted by an environmental professional to identify conditions indicative of releases and threatened releases of hazardous substances as defined in CERCLA Section 101(22). If the prospective purchaser is the recipient of an EPA Brownfields Grant, the inquiry must also identify conditions indicative of releases and threatened releases of petroleum and petroleum products and controlled substances as defined in 21 U.S. Code 802. These standards and practices do not require the identification of quantities of hazardous substances, petroleum and petroleum products, and controlled substances that, because of said quantity, generally would not pose a threat to human health or the environment.

2.1.2 Identification of Recognized Environmental Conditions

Another purpose for conducting a Phase I ESA is to identify recognized environmental conditions in connection with a property as they pertain to ASTM Practice E 1527-13. This practice is intended for use by parties who wish to assess the environmental condition of a property by taking into account commonly known and reasonably ascertainable information. Although use of ASTM Practice E 1527-13 constitutes all appropriate inquiry as described in Section 2.1.1, the standard is intended primarily as an approach to identify recognized environmental conditions in connection with a property. A recognized environmental condition is defined by the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment, (2) under conditions indicative of a release to the environment, or (3) under conditions that pose a material threat of a future release to the environment. Recognized environmental conditions do not include de minimis conditions that do not generally present a risk to public health or to the environment and would not be the subject of legal enforcement if brought to the attention of appropriate governmental agencies.

2.2 LIMITED HAZARDOUS BUILDING MATERIALS SURVEY

The purpose of the limited hazardous building materials survey was to assess the buildings for hazardous materials that are regulated and/or require abatement and/or special handling prior to building renovation or demolition.

2.3 LIMITED SUBSURFACE INVESTIGATION

The purpose of our limited Phase II ESA was to evaluate if historical industrial uses at the project site has led to release(s) of hazardous substances to the subsurface. Soil, groundwater, and sub-slab vapor at the project site were evaluated for the presence of potential contamination.

3.0 SCOPE OF SERVICES

3.1 PHASE I ESA

The scope of services completed for the Phase I ESA was conducted in conformance with the standards and practices for all appropriate inquiries specified in 40 CFR Part 312 and the scope and limitations of ASTM Practice E 1527-13. The specific completed scope of services included the following:

- Reviewed a current USGS topographic map to identify the physical setting of the project site.
- Reviewed federal, tribal, state, and local environmental records for listings of known or suspected environmental conditions at the project site or nearby properties as specified in 40 CFR Part 312 and ASTM Practice E 1527-13.

- Reviewed reasonably ascertainable standard historical sources, including aerial photographs, USGS topographic maps, reverse city directories, fire insurance maps, online property information (including available building department records, property tax information, and zoning/land use records), and other historical sources, as appropriate to identify development history on and adjacent to the project site relative to the possible use, generation, storage, release, or disposal of hazardous substances.
- Interviewed the current owner/occupant of the project site and a state government official regarding their knowledge of the project site.
- Conducted a visual reconnaissance of the project site and adjacent properties to obtain information indicating the likelihood of identifying recognized environmental conditions concerning the properties.
- Prepared this report that presents our findings and provides conclusions and recommendations.

3.2 LIMITED HAZARDOUS BUILDING MATERIALS SURVEY

The limited hazardous building materials survey assessed the buildings for materials that are regulated and/or require abatement and/or special handling prior to building renovation or demolition. The survey included a baseline ACM survey and an LBP survey. These surveys are discussed further in the following sections.

3.2.1 Baseline ACM Survey

The scope of services for the baseline ACM survey was completed in general accordance with ASTM E 2356-14. The baseline ACM survey was not intended to serve as a comprehensive asbestos building survey, comprehensive inspection, or comprehensive assessment for the presence of ACM in all or most of the building systems throughout the project site structures. The baseline ACM survey included a non-destructive building material sampling program, but did not include sampling and analysis of building materials that are concealed, such as in hidden spaces, behind walls, in doors, and/or beneath floors. Therefore, the baseline ACM survey was not intended to fully assess the presence of ACM in the project site structures for pre-demolition or pre-renovation purposes. This baseline ACM survey was conducted by personnel certified under EPA's AHERA program and included the following:

- Conducted an initial building reconnaissance to verify construction and layout of the project site structures. This initial building reconnaissance included measuring internal and external building dimensions, identifying building mechanical components, and gathering additional information related to determining the sampling approach.
- Developed a sampling plan based on the initial building reconnaissance and review of readily available building plans and documents.
- Collected 27 material samples (AS-01 through AS-27) from homogenous suspect building materials taking into account material quantities and locations.
- Collected photographic documentation of each representative homogenous suspect building material.
- Submitted the samples to a certified analytical laboratory for analysis of asbestos content using polarized light microscopy.
- Documented quantities and locations of building materials determined to contain ACM.
- Summarized the results and findings of the baseline ACM survey in this report.

3.2.2 LBP Survey

The scope of services for the LBP survey included evaluating painted surfaces in accessible areas of the project site structures that may contain lead at concentrations exceeding applicable regulatory levels. The LBP survey was performed by GeoDesign personnel and included the following:

- Measured for the presence of LBP at 24 locations in the project site structures using a Niton Model XLP-309 XRF detector to identify the potential presence of lead in paint.
- Summarized the results and findings of the LBP survey in this report.

3.3 LIMITED SUBSURFACE INVESTIGATION

The completed scope of services summarized below was intended to further assess the potential recognized environmental conditions at the project site identified during Phase I ESA. The specific completed scope of services is as follows:

- Subcontracted Pacific Geophysics of Portland, Oregon, to conduct a geophysical survey in accessible areas along the perimeter of the project site, including sidewalk ROWs, the service yards, and Tax Lots 7200 and 7300, to evaluate these areas for the presence of USTs or other subsurface magnetic anomalies.
- Coordinated and managed the field investigation, including utility checks, project site access authorizations, access preparations, and scheduling of subcontractors.
- Contacted the Oregon One-Call Utility Notification Center to mark the location of public utilities beneath the ROWs surrounding the project site.
- Subcontracted Private Utility Locating, LLC of Portland, Oregon, to clear the proposed boring locations at the project site.
- Collected 13 sub-slab vapor samples (SV-1 through SV-13). The sub-slab vapor samples were collected by drilling a ¼-inch-diameter hole through the concrete floor slab in the project site structures, inserting a decontaminated stainless steel sampling probe and disposable tubing into the drilled hole, and then sealing the annular space between the probe and the ground surface with hydrated bentonite. A leak-check system was installed at each sample location following DEQ-established protocol described herein.
- Installed 11 temporary vapor probes, using the above procedure, to screen sub-slab vapor conditions using a hand-held PID along the sewer lines located in Space A at the project site.
- Subcontracted Pacific Soil & Water, LLC of Tigard, Oregon, (a licensed drilling contractor) to complete 27 direct-push borings (DP-1 through DP-27) at the project site.
- Completed eight additional direct-push borings (DP-29 through DP-35) adjacent to the catch basins in Space A to delineate the release of TCE to subsurface soil identified from previous sampling events.
- Obtained continuous soil samples from each direct-push boring for visual evaluation and field screening. Field screening consisted of water sheen testing and headspace vapor measurements using a hand-held PID.
- Based on the results of field screening, submitted up to two soil samples from each direct-push boring for chemical analysis.
- Collected grab groundwater samples from 10 of the direct-push explorations (DP-1, DP-5, DP-9, DP-10, DP-13, DP-14, DP-17, DP-19, DP-25, and DP-26).

- Obtained select soil samples from test pits completed on Tax Lots 7200 and 7300 by PBS Engineering and Environmental (PBS) to evaluate shallow soil for disposal purposes.
- Submitted the soil, groundwater, and sub-slab vapor samples to ESC Lab Sciences of Mt. Juliet, Tennessee, for one or more of the following analyses:
  - Gasoline-range organics by Method NWTPH-Gx (soil and groundwater) and EPA Method TO-15 (vapor)
  - Diesel- and residual-range organics by Method NWTPH-Dx
  - VOCs by EPA Methods 8260B (soil and groundwater) and EPA Method TO-15 (vapor)
  - PAHs by EPA Method 8270D-SIM (soil) and EPA Method 8270C-SIM (groundwater
  - Total Metals by EPA Methods 6010B/7471A
  - PCBs by EPA Method 8082
- Temporarily stored all investigation-derived waste (soil cuttings, decontamination water, and purge water) on site pending the receipt of chemical analytical data.
- Summarized the results of our limited subsurface investigation in this report.

The scope of services was limited to only those items listed above. This project did not include completion of an environmental compliance audit; an evaluation for the presence of PCBs in light ballasts; a survey for radon gas, toxic mold, biological pollutants, or urea-formaldehyde insulation; or a wetlands determination or delineation.

4.0 PROJECT SITE AND VICINITY DESCRIPTION

Information concerning the physical setting of the project site and vicinity is based on a review of the USGS 7.5-minute Mt. Tabor, Oregon, topographic quadrangle map; information provided by EDR of Shelton, Connecticut; and observations made during a site reconnaissance conducted on February 26, 2016.

The project site encompasses 2.07 acres at 1340 SE 9th Avenue in Portland, Oregon. Tax Lots 7000, 7200, and 7300 are currently owned by Custom Stamping & Manufacturing Company and Tax Lots 6500, 6800, 6900, and 7100 are owned by Stoudt Family Properties, LLC. The project site is currently developed with five large industrial buildings, paved service yards and storage areas, and a gravel parking lot. The project site includes the aforementioned tax lots in the southwest quarter of the northwest quarter of Section 2, Township 1 South, Range 1 East of the Willamette Meridian.

The project site is situated at an elevation of approximately 40 feet above MSL. The topography of the project site is generally level. Based on a review of topographic maps, online property information, and other historical sources for the area, Hawthorne Creek gulch was historically located in portions of Tax Lots 7200 and 7300 at the project site. Hawthorne Creek gulch flowed north and west toward the Willamette River until the early 1920s when the creek and channel were backfilled. According to City of Portland online information, Hawthorne Creek gulch appears to be currently confined to a 20-inch clay pipe located under the western portions of Tax Lots 7200 and 7300 and the northeastern corner of Space C.

Land use in the vicinity of the project site is primarily industrial. According to the City of Portland Planning Department, the project site is zoned General Industrial 1 (IG1). Properties surrounding the project site are zoned General Industrial 1 (IG1).

5.0 USER-PROVIDED INFORMATION

The purpose of this section is to describe information provided by the user of this report (Capstone Partners) that was considered in the evaluation of potential recognized environmental conditions in connection with the project site. The user was not provided with previously completed environmental reports, title and judicial records for environmental liens or activity and land use restrictions, specialized or actual knowledge or experience, valuation reduction for environmental issues, or commonly known or reasonably ascertainable information. Therefore, these materials were not reviewed as part of this assessment.

6.0 ENVIRONMENTAL RECORDS REVIEW

Federal, tribal, state, and local environmental records and databases were compiled according to 40 CFR Part 312 and ASTM Practice E 1527-13 for the project site and those facilities that currently or previously have occupied properties within the specified search distance from the project site. Information contained in the records and databases was reviewed by GeoDesign to evaluate the potential for environmental impacts to the project site. Local environmental databases, including City of Portland Fire Bureau or PBOT ROW records, were also reviewed. The EDR report is presented in Appendix B.

6.1 PROJECT SITE

Based on our review of the EDR report, the project site was listed as Custom Stamping on the EPA RCRAInfo database, the OSFM HSIS List, the OR MANIFEST database, the EPA ECHO database, and the EPA FINDS database. The project site was listed as Forwarders Transfer, Inc. on the EPA RCRAInfo database, the EPA ECHO database, and the EPA FINDS database. The EPA RCRAInfo database contains information on facilities that generate, store, transport, treat, or dispose of hazardous waste. The project site was listed as a NonGen of hazardous waste. NonGens do not presently generate hazardous waste. According to information in the EDR report, Custom Stamping received a general written informal violation for generators following a non-financial records review in March 1984. Custom Stamping received compliance in the same month of that year. Further details regarding the nature of the violation was not provided in the EDR report.

The project site was listed as Truck and Trailer Specialties on the EDR Historic Gas Stations database. The Historic Gas Stations database is a collection of listings of potential gas station/filling station/service station sites. The presence on this database does not imply that a release has occurred on the project site. However, appearance on this database indicates a possible recognized environmental condition.

The OSFM HSIS List, the OR MANIFEST database, the EPA ECHO database, and the EPA FINDS database are inventory or reference lists and do not imply a release or recognized environmental condition at the project site. Based on the regulatory status of the project site and information

contained in the regulatory databases, it is our professional opinion that there is a risk of a recognized environmental condition at the project site due to its listing on the EDR Historic Gas Stations database.

6.2 SURROUNDING SITES

The EDR report identified 585 surrounding sites listed on one or more regulatory databases within the ASTM search distances. Based on changes in ownership, address, multiple regulatory listings, and multiple regulatory actions, two or more of the surrounding site listings may actually represent only one physical location. Therefore, the number of surrounding sites is likely less than reported by EDR. Based on local topography, the inferred direction of shallow groundwater flow, the regulatory status of the listed sites, the media impacted at the listed sites, and information contained in the regulatory databases, it is our professional opinion that none of the 585 sites should pose a risk of a recognized environmental condition at the project site. However, due to their close proximity to the project site, two of the listed sites are discussed in the following sections.

6.2.1 Heating Oil Tank (940 SE Madison)

The Heating Oil Tank (940 SE Madison) site is located at 940 SE Madison Street in Portland, approximately 52 feet south of the project site and cross gradient to up gradient of the project site in the inferred groundwater flow direction. The Heating Oil Tank (940 SE Madison) site was listed on the DEQ LUST database (File No. 26-15-1002).

The DEQ LUST database contains listings of sites with reported leaking UST incidents. According to the information in the EDR report and DEQ's LUST database, soil and groundwater contamination was encountered during a UST assessment in July 2015. DEQ determined the cleanup was complete and closed the LUST file in September 2015.

Based on the local topography, the inferred direction of shallow groundwater flow, the regulatory status of Heating Oil Tank site (940 SE Madison), the media impacted at this site, and information contained in the regulatory database, it is our professional opinion that the risk of a recognized environmental condition at the project site from the release at the Heating Oil Tank site (940 SE Madison) is low.

6.2.2 Oregon Brass Works

The Oregon Brass Works site is located at 1127 SE 10th Avenue in Portland, approximately 96 feet north of the project site and cross gradient to down gradient of the project site in the inferred groundwater flow direction. The Oregon Brass Works site was listed on the DEQ ECSI database (# 2550), DEQ LUST database (File No. 26-90-0038), DEQ UST Facilities list (Facility I.D. 10179), DEQ CRL, DEQ VCP database, DEQ ENG CONTROLS database, the DEQ INST CONTROLS database, the EPA RCRAInfo database, the EPA ECHO database, and the EPA FINDS database.

The DEQ ECSI database contains sites that are or may be contaminated and may require cleanup. The DEQ UST Facilities list contains information on sites with registered USTs. The DEQ CRL contains information regarding facilities with a confirmed release. The DEQ VCP database contains information on responsible parties that have entered into an agreement with DEQ to voluntarily address contamination associated with their property. The DEQ ENG CONTROLS

database contains information on engineering controls recorded at ECSI sites. The DEQ INST CONTROL database contains information on institutional controls recorded at ECSI site.

The Oregon Brass Works facility began non-ferrous foundry operations at the property located at 1127 SE 10th Avenue by at least 1930. Primary operations included mold making; core making; melting and pouring metals; heat treating; cleaning castings; and cutting/grinding, painting, and oxidizing products. Nickel and bronze plating was performed at the facility between approximately 1930 and 1944. In November 1998 Oregon Brass Works ceased operations and dismantled key equipment. Hazardous substances detected in soil at the Oregon Brass Works site included arsenic, coper, lead, petroleum hydrocarbons, PAHs, and VOCs. Hazardous substances detected in groundwater included metals, VOCs, petroleum hydrocarbons, and PAHs. None of the contaminants detected in groundwater exceeded human health RBCs for the most conservative exposure scenarios applicable for the Oregon Brass Works site, except arsenic. Contamination at this facility was suspected to be from incidental releases and spills associated with on-site operations and placement of fill, including slag, metal turnings, and debris, prior to construction of the Oregon Brass Works facility.

DEQ determined that the current structure, concrete, and asphalt (the cap) were adequate in preventing exposure to soil containing lead, arsenic, petroleum hydrocarbons, and PAHs. DEQ issued a conditional NFA determination for the Oregon Brass Works site in December 2001.

Institutional controls at the Oregon Brass Works site include a restriction on the use of groundwater, notification of on-site workers of the presence of soil contamination, and DEQ review and approval of any modifications to the current cap, future development, and/or demolition.

The EPA RCRAInfo database contains information on facilities that generate, store, transport, treat, or dispose of hazardous waste. The Oregon Brass Works site was listed as a NonGen of hazardous waste. NonGens do not presently generate hazardous waste.

The Oregon Brass Works site was also identified on the EPA ECHO database and the EPA FINDS database. These two lists are inventory or reference lists and do not imply a release or a recognized environmental condition at the project site.

Based on the nature of contamination and regulatory status of the Oregon Brass Works site, it is our professional opinion that the risk of a recognized environmental condition at the project site from the Oregon Brass Works site is low.

6.3 ORPHAN SITES

Due to poor or inadequate address information, EDR was unable to successfully map 21 facilities identified on several environmental databases. However, enough information was available to ascertain the general location of these orphan facilities relative to the project site and, in some cases, the status of the investigations concerning these orphan sites. Based on the location of the orphan sites, the inferred direction of shallow groundwater flow, the regulatory status of the

listed sites, the media impacted at the listed sites, and information contained in the regulatory databases, it is our professional opinion that these orphan sites should not pose a risk of a recognized environmental condition at the project site.

6.4 CITY OF PORTLAND FIRE BUREAU

The City of Portland Fire Bureau UST records were reviewed on March 3, 2016 by GeoDesign personnel. Based on our review, the fire bureau has a record of two USTs on the project site. One permit, dated March 1953, noted a 1,000-gallon UST installed in the yard (the current paved service yard) northwest of Space 1C by Pierce Trailer. The second UST permit, dated April 1953, noted a 2,000-gallon UST installed in the SE Main Street ROW adjacent to Pierce Trailer, located north of Space 1C.

6.5 PBOT

The PBOT ROW UST records were reviewed on March 3, 2016 by GeoDesign personnel. One UST permit, dated March 11, 1948, was found for the project site. The UST permit notes a 550-gallon gasoline UST installed on the western side of SE 10th Avenue between SE Madison Street and SE Main Street (adjacent to Spaces 1B and 1C).

7.0 PROJECT SITE HISTORY AND BACKGROUND

Reasonably ascertainable information concerning the history and background of the project site begins in 1897 and includes aerial photographs, USGS topographic maps, reverse city directories, Sanborn fire insurance maps, online property information (including available building department records, property tax information, and zoning/land use records), and personal knowledge of individuals familiar with the project site.

Historical aerial photographs for the project site were obtained from EDR of Shelton, Connecticut, and were reviewed by GeoDesign. The scale of the photographs reviewed allowed for the interpretation of general site development/configuration but did not allow for the identification of specific project site features. Aerial photographs were reviewed for the following years: 1934, 1948, 1951, 1955, 1960, 1963, 1970, 1981, 1984, 1994, 2000, 2005, 2009, 2011, and 2012. The historical aerial photographs are presented in Appendix C.

Historical topographic maps of the project site were obtained from EDR to evaluate past uses of the project site. Topographic maps were reviewed for the following years: 1897, 1905, 1939-40, 1954, 1961, 1970, 1975, 1977-78, 1995, and 2014. The historical topographic maps are presented in Appendix C.

Reverse city directories for the project site and adjacent properties were obtained from EDR. Please note that in some locations, particularly in urban areas, addresses for a particular property may change over time. Based on a review of Sanborn fire insurance maps and historical property information, in addition to the addresses listed in Section 1.0, the following addresses historically correspond to the project site: 900-1050 SE Madison Street (odd addresses), 900-1050 SE Main Street (even addresses), 900-999 SE Main Street (odd addresses), 950-999 SE Salmon Street (even addresses), 1240-1399 SE 9th Avenue (even addresses), 1200-1399 SE 10th Avenue (odd addresses), and 1300-1399 SE 10th Avenue (even addresses). The city

directories were reviewed (if available) at approximately five-year intervals for the years spanning 1924 through 2013. The EDR City Directory Abstract is presented in Appendix C.

Sanborn fire insurance maps for the project site were obtained from EDR and reviewed by GeoDesign. Sanborn fire insurance maps were reviewed for the following years: 1901, 1909, 1924, 1950, and 1969. The Sanborn fire insurance maps are presented in Appendix C.

Online property information for the project site and select adjacent properties was reviewed by GeoDesign. The online property information is presented in Appendix C.

7.1 PROJECT SITE

Based on the review of historical sources cited in Section 7.0, we have identified the following developmental history of the project site:

Year	Observations	Source
1897 through 1924	The project site appeared as vacant land with Hawthorne Creek gulch and its associated channel flowing northwest through Tax Lots 7200 and 7300. By 1924 the gulch and channel had been backfilled and the project site was vacant, with the exception of an auto wrecking and auto parts storage business on the southwestern portion of Tax Lot 7300.	• Topographic Maps • City Directories • Sanborn Fire Insurance Maps
1936 through 1950	The Space A and 1B structures were constructed by 1935. The remaining buildings were constructed by 1948. Gas and oils (fuel dispensing with associated USTs) were located at the northwestern corner of Space 1C. Businesses operating at the project site included tool service, tool and die works, auto service, welding, truck parts, an auto dealer warehouse, and a garage. The auto wrecking business had expanded northward to Tax Lot 7300 by at least 1948. Custom Stamping was operating as East Side Tool & Die Works at 1340 SE 9th Avenue by at least 1946.	• Aerial Photographs • Topographic Maps • City Directories • Sanborn Fire Insurance Maps
1969 through 2016	The Space F structure was completed by 1968. The auto wrecking business, including the building, appeared to be vacated from Tax Lots 7200 and 7300 by 1994. The project site has appeared relatively unchanged since 1994.	• Aerial Photographs • Topographic Maps • City Directories • Sanborn Fire Insurance Maps • Site Reconnaissance

Our review of historical sources from 1897 through 2016 indicated that the Hawthorne Creek gulch and its associated channel occupied the project site until approximately 1924 when it was backfilled to current grade. An auto wrecking business operated on Tax Lots 7200 and 7300 between approximately 1924 and 1984. The project site was developed with most of the current structures between approximately 1935 and 1948 and has been used for commercial and industrial uses since development.

7.2 ADJOINING SITES

Based on the review of historical sources cited in Section 7.0, we have identified the following developmental history of properties adjoining the project site:

Year	Observations	Source
1897 through 1924	Properties adjacent to the project site appeared vacant or occupied by the Hawthorn Creek gulch and its associated channel. By 1924 the property northwest of the project site was developed with Vaughn Motor Works, which included a foundry.	• Sanborn Fire Insurance Maps • Topographic Maps
1934 through 2016	Between 1934 and 1948 sites adjacent to the project site were developed with industrial properties, including Oregon Brass Works, a foundry, an auto repair business, various manufacturing businesses, and a parts supply business. This area has been mainly used for commercial and industrial purposes since development, although the last ten years has seen transition to more commercial uses.	• Aerial Photographs • Topographic Maps • City Directories • Sanborn Fire Insurance Maps • Site Reconnaissance

Our review of historical sources from 1897 through 2016 indicated that properties adjoining the project site were occupied by the Hawthorne Creek gulch and its associated channel until approximately 1924 when the creek was backfilled to current grade. Between approximately 1934 and 1948 the adjacent properties were developed for industrial usage and continue to operate as such. Over the past ten years some properties have transitioned to mostly commercial uses.

8.0 SITE RECONNAISSANCE

GeoDesign conducted a reconnaissance of the project site on February 26, 2016. The observations noted in this section apply to the project site as it appeared on that day. The site reconnaissance was performed to observe the current condition of the project site and to obtain information indicating the likelihood of identifying recognized environmental conditions in connection with the project site. Access to the project site and its structures was limited on this date. The adjoining properties were also observed from the boundaries of the project site as part of the site reconnaissance. A site plan is provided on Figures 2 and 3. Photographs of the project site were taken to document observations made during the reconnaissance and are presented on Figures 4 and 5.

8.1 GENERAL PROJECT SITE USE

The project site consists of seven tax lots encompassing the Custom Stamping & Manufacturing Company facility. The facility includes five structures, of one to three stories, with manufacturing and tooling floors, warehouse and storage spaces, and office areas. Other areas of the facility include a gravel parking lot, a paved storage yard, and three additional paved service yards.

8.1.1 Site Drainage

Surface water at the project site is expected to flow into several catch basins on and surrounding the project site. Most of the catch basins are connected to the City of Portland storm system,

with the exception of the catch basin west of Space G, which drains to a dry well. Surface water with sheen was observed flowing from the paved storage area, at the eastern portion of the project site, to the catch basin located on the southeast corner of the SE Main Street and SE 10th Avenue intersection. A possible catch basin was not accessible due to a large metal plate on the ground within the paved storage area on Tax Lot 7200. Sheen was observed on standing water in the catch basins present at the project site. The interior catch basin located in the southwestern portion of Space A was heavily rusted and water at the bottom of the catch basin was observed to have a slight sheen

8.1.2 Project Site Structures

The project site structures are mostly single story with high ceilings, although Spaces 1B and 1C have second story/mezzanine level office areas. The structures are concrete, concrete block, and metal buildings with slab-on-grade foundations that encompass between 7,200 and 17,400 square feet. The structures primarily have concrete floors with some areas of the structures covered with carpeting, vinyl, vinyl tile, or timber flooring.

8.1.3 Potable Water Supply

Potable water is supplied to the project site by the City of Portland.

8.1.4 Sewage Disposal System

Sewage generated at the project site is discharged to the City of Portland municipal sewer system. Municipal sewer service has been available at the project site since at least 1936.

8.1.5 Hazardous Substances and Petroleum Products

Many 55-gallon drums were observed at the project site labeled as waste oil, waste hydraulic, Houghto-Draw 33, and EP hydraulic oil. Some 55-gallon drums were unlabeled. One 55-gallon drum labeled as Houghto-Draw 33 located in the paved storage yard (Tax Lot 7200) was rusted and showed evidence of leaking. Many empty 55-gallon drums were used throughout the project site as trash containers. Evidence of de minimis quantities of leaks or spills was observed on concrete and asphalt surfaces throughout the project site. Numerous 5-gallon containers labeled as Pearl Solvent, no-ox, PPG Magnuspray (Corrosive), coolant, various lubricants and oils, and gasoline were observed throughout the project site. Multiple ASTs and evidence of USTs were also observed on the project site, as discussed in Section 8.1.6.

8.1.6 Storage Tanks

GeoDesign personnel observed a vent pipe on the northern exterior of Space 1C. In addition, four possible vent pipes were observed east of the paved service yard west of Space 1C. Concrete patches were observed near the vent pipes and at various locations throughout the project site.

GeoDesign personnel observed 19 ASTs at the project site, 4 of which were not labeled. One of the unlabeled ASTs appeared to contain waste oil. The remaining ASTs were labeled as Vaculine 1405, Houghto-Draw 33, Magna Draw 67, EP Industrial Oil 220x, Hydraulic Oil 32, Hydraulic Oil 68, and Durex Metal Cutting Fluid. GeoDesign personnel observed two ASTs, identified as dust

collectors by Steve Marcotte of Custom Stamping & Manufacturing Company. Evidence of de minimis quantities of leaks or spills was observed on concrete and asphalt surfaces throughout the project site.

8.1.7 Drums

Multiple 55-gallon drums were observed on site labeled as waste oil, waste hydraulic, Houghto-Draw 33, and EP Hydraulic Oil. Some 55-gallon drums were unlabeled. One 55-gallon drum labeled as Houghto-Draw 33 located in the paved storage yard (Tax Lot 7200) was rusted and showed evidence of leaking. Many empty 55-gallon drums were used throughout the project site as trash containers. Numerous 5-gallon containers labeled as Pearl Solvent, no-ox, PPG Magnuspray (Corrosive), coolant, various lubricants and oils, and gasoline were observed throughout the project site. Some containers were not labeled. Evidence of de minimis quantities of leaks or spills was observed on concrete and asphalt surfaces throughout the project site.

8.1.8 Unidentified Substance Containers

Four ASTs were not labeled, although one appeared to be used for waste oil. In addition, some of the 55-gallon drums were unlabeled. Numerous 5-gallon and smaller containers were also not labeled. As noted in Section 8.1.7, evidence of de minimis quantities of leaks or spills was observed on concrete and asphalt surfaces throughout the project site.

8.1.9 Odors

Due to the industrial use of the project site and the storage and use of petroleum products throughout the project site, petroleum-like odors were observed throughout the project site structures.

8.1.10 Pools of Liquid

As noted in Section 8.1.1, surface water with a petroleum-like sheen was observed flowing from the paved storage area (Tax Lot 7200) to a catch basin located southeast of SE Main Street and SE 10th Avenue. Surface water with slight sheen was also observed in the catch basin located in the service yard west of Space G. Surface water with sheen was also observed in the service yard area east of Space F. Also noted in Section 8.1.1, water with a slight sheen was noted in the catch basin located in the southwestern portion of Space A. Petroleum-like odors were observed near catch basins observed inside the project site structures, but were not directly associated to the catch basins. Pooled oil on concrete was observed at different locations throughout the interior of the project site structures. Pits located underneath some hydraulic equipment, reportedly lined with concrete, were observed to be holding liquid, likely hydraulic oil.

8.1.11 PCB-Containing Equipment

Twenty-three pole-mounted transformers were observed along the project site exterior. Seventeen of the pole-mounted transformers were labeled as containing either “No PCBs” or “less than one percent PCBs.” Two wall-mounted and one pad-mounted transformer were observed inside the project site structures and were not labeled for PCB content. The observed transformers appeared to be in good condition and evidence of leaks or spills was not observed.

Hydraulic manufacturing equipment was observed throughout the project site structures. Evidence of de minimis quantities of leaks or spills was observed on concrete and asphalt surfaces throughout the site.

8.1.12 Pits, Ponds, and Lagoons

Pits ponds, or lagoons were not observed on the project site.

8.1.13 Stained Soil or Stained Pavement

De minimis stained soil was observed on the graveled parking area at the project site. Evidence of de minimis quantities of leaks or spills was observed on concrete and asphalt surfaces throughout the site.

8.1.14 Stressed Vegetation

Stressed vegetation was not observed on the project site.

8.1.15 Solid Waste

Solid waste generated at the project site is stored in drums and containers located inside the project site structures and dumpsters located in the paved storage yard (Tax Lot 7200) prior to pick up and disposal. De minimis surface staining was observed beneath the waste receptacles.

8.1.16 Waste Water

Waste water was not observed on the project site.

8.1.17 Wells

Water wells, dry wells, monitoring wells, irrigation wells, injection wells, abandoned wells, or other wells were not observed on the project site. However, online property information indicates a dry well located in the service yard west of Space G, which was confirmed by the geophysical survey.

8.1.18 Septic Systems

Evidence of an on-site septic system or cesspool was not observed on the project site.

8.1.19 Fill

The parking lot on Tax Lot 7300 is graveled, indicating imported surface fill in this area. Historical research indicated that much of the project site and surrounding area were historically occupied by Hawthorne Creek gulch and its associated channel. The creek and channel were backfilled by 1924. Borings completed on Tax Lot 7300 indicated the presence of fill to a depth of approximately 21 feet BGS. In general, the fill consists of material ranging from silt to silty gravel.

8.1.20 Heating and Cooling Systems

The project site structures are heated and cooled by ceiling-mounted natural gas heaters.

8.1.21 Interior Stains or Corrosion

Interior stains and corrosion were observed throughout the project site structures. Evidence of corrosion was observed on and near heavy machinery and containers of chemicals.

8.1.22 Interior Drains or Sumps

As noted in Sections 8.1.1 and 8.1.10, two catch basins were observed in the project site structures. Sumps or pits were observed under the heavy hydraulic equipment at the project site. Complete inspection of the sumps was obscured by the machinery; however, most were observed to be holding liquid (likely hydraulic oil). Reportedly, the sumps are lined with concrete and do not have drains.

8.2 SURROUNDING PROPERTY USE

The project site is directly bound to the north by a commercial distillery, a parking lot, and SE Salmon Street, across which is the Oregon Brass Works building occupied by a commercial screen printing business; to the east by paved parking and SE 10th Avenue, across which are light industrial properties; to the south by SE Madison Street, across which are a commercial brewery and a canine care facility; and to the west by SE 9th Avenue, across which are commercial properties. Evidence of adverse environmental conditions was not observed on adjacent properties.

9.0 INTERVIEWS

The project site is currently owned by Stoudt Family Properties, LLC and Custom Stamping & Manufacturing Company and occupied by Custom Stamping & Manufacturing Company. GeoDesign interviewed the owner/occupant and a state government official during the course of this study. Information obtained from these interviews is presented in the following sections.

9.1 CURRENT OWNER AND OCCUPANT

David Stoudt (owner and occupant) completed a Phase I ESA property owner questionnaire regarding the project site on March 6 2016. Mr. Stoudt has been familiar with the project site for approximately 30 years. According to Mr. Stoudt, the project site has historically operated as a metal stamping and fabrication facility, a roofing supply company, and a tool supplier. He stated that Custom Stamping & Manufacturing Company was a registered SQG of hazardous waste and later a CESQG, relating to the disposal of spent solvent from a vapor degreaser that was discontinued in 1990. Mr. Stoudt stated that in early 1989 three USTs were removed from the service yard west of Space 1C and one UST was removed from the ROW south of Spaces D and E. Mr. Stoudt reported that the applicable DEQ regulations at the time were followed during the UST removal.

9.2 STATE GOVERNMENT OFFICIAL

Richard Reiter (DEQ UST Program) was interviewed on April 15, 2016 regarding his knowledge of the project site. Mr. Reiter stated that the DEQ UST program has no files with the associated name or addresses of the project site.

10.0 LIMITED HAZARDOUS BUILDING MATERIALS SURVEY

Our survey included a baseline ACM survey and an LBP survey. These surveys are discussed further in the following sections.

10.1 BASELINE ACM SURVEY

On April 13 and May 3, 2016 GeoDesign personnel, certified under EPA's AHERA program, performed a baseline ACM survey of the project site structures to evaluate the possible presence of ACM. EPA's AHERA program, DEQ, and OR-OSHA define ACM as materials containing asbestos at concentrations greater than 1 percent.

A total of 27 samples of suspect ACM were collected from the project site structures and submitted to EMC Laboratories of Phoenix, Arizona, for analysis. EMC Laboratories is accredited by the National Institute of Standards and Technology under the procedures of the National Voluntary Laboratory Accreditation Program for bulk sample analysis. The samples were analyzed for asbestos content by EPA Method 600/R-93/116. Materials sampled at the project site structures included flooring, drywall and plaster materials, wall and ceiling coverings, mastics, insulation, and window putty. Our sampling protocol did not include sampling electrical components, which could interfere with building operations and or/create an electrical hazard. The suspect ACM sampling locations are shown on Figure 6.

Eight of the 27 samples collected contained greater than 1 percent asbestos. One sample contained asbestos at less than 1 percent, which is lower than the EPA action limit. Asbestos was not identified in the remaining 18 samples collected during this survey. Photographs of the materials that contain ACM are shown on Figures 7 through 11. The results of the baseline ACM survey are summarized in Table 1. Laboratory results and chain-of-custody documentation are presented in Appendix D.

Approximately 3,750 square feet of asbestos-containing floor tile and/or black mastic was observed in the office area of Space 1C. This material appeared to be in fair condition.

Approximately 400 square feet of asbestos-containing brown floor tile was observed in the mezzanine of Space 2C. This material appeared to be in good condition.

Approximately 150 square feet of asbestos-containing beige floor tile was observed in the office area of Space D. This material appeared to be in good condition.

Approximately 300 square feet of asbestos-containing beige/pink floor tile and black/tan mastic was observed in the office/lunch area of Space A. This material appeared to be in good condition.

Window caulk collected from the metal-framed exterior windows of Spaces A, B, and C contained regulated concentrations of asbestos. This material appeared to be in fair to poor condition.

10.2 LBP SURVEY

On April 13, 2016 GeoDesign personnel conducted an LBP survey of the project site structures. The LBP survey did not include sampling and analysis of possible building materials that were concealed (such as in walls and doors and beneath floors). The LBP survey was conducted using an XRF manufactured by Niton (model XL-309 Spectrum Analyzer Lead Detector) and licensed by

the State of Oregon Health Division under License ORE-90822. The Niton XL is most accurate in the range from 0.1 to 2.0 mg/cm^2 of lead per painted surface, with 5 mg/cm^2 being the upper limit of detection.

Blue LBP was identified on the north wall of Space E. The suspect LBP sampling location is shown on Figure 6. The LBP survey results are summarized in Table 2. The surface of a metal fire door in space F registered a positive reading; however, the given margin of error was greater than the detected concentration, making the reading inconclusive. Readings less than 1.0 mg/cm^2 are below the EPA action level and labeled less than limit of detection (<LOD).

11.0 LIMITED SUBSURFACE INVESTIGATION

Field activities were completed at the project site on April 5, May 31, and July 20, 2016 and included a geophysical survey, the collection of 13 sub-slab vapor samples, a vapor screen completed along the sewer lines in Space A, the completion of 35 direct-push borings for soil and groundwater sample collection, and the completion of 15 test pits by PBS at the paved storage and graveled parking lot at the eastern portion of the project site. Groundwater samples were collected from nine of the direct-push borings located on the project site. The geophysical survey report is presented in Appendix E. A description of field procedures and logs of the explorations are presented in Appendix F. The approximate exploration and sample locations are presented on Figures 12 and 13.

11.1 GEOPHYSICAL SURVEY

Pacific Geophysics of Portland, Oregon, conducted a geophysical survey in accessible areas along the perimeter of the project site on April 5 and 6, 2016. The geophysical survey was conducted using a magnetometer and ground penetrating radar equipment. The geophysical survey identified a likely UST pit in the eastern ROW of SE 9th Avenue west of Space A, a UST in the southern ROW of SE Main Street, and the location of a dry well in the service yard west of Space G. Many of the accessible areas adjacent to the project site structures are underlain by reinforced concrete, which may obscure possible subsurface features. The former location of the USTs removed from the service yard west of Space C was not confirmed due to the presence of reinforced concrete.

11.2 SUB-SLAB VAPOR SAMPLING AND SUB-SLAB VAPOR SCREENING

GeoDesign collected a total of 13 sub-slab vapor samples (SV-1 through SV-13) at the project site on April 6 and May 23, 2016. The sub-slab vapor samples were collected to evaluate vapor intrusion risks to future occupants of the project site. The sub-slab vapor samples were collected in higher-risk areas identified during the Phase I ESA.

The sub-slab vapor samples were collected by drilling a ¼-inch-diameter hole through the concrete surface and advancing a decontaminated stainless steel vapor probe to an approximate depth of 0.5 foot BGS. The annular space between the probe and the ground surface was sealed with hydrated bentonite.

Dedicated tubing was attached to the vapor probe and connected to the sampling manifold with Swagelok™ fittings and hose barb connections to create a reasonably closed system. The

sampling train was purged of 2 to 3 dead volumes using a PID. The samples were collected using laboratory-supplied 1-liter summa sample canisters with an in-line filter (0.7 micron) and flow controller (less than 200 milliliters per minute). Rags coated with 2-propanol were placed at the ground surface seal and on the sampling train to detect potential leaks in the system.

DEQ considers breakthrough of less than 5 percent contribution from leakage of ambient air a reasonably airtight system. The laboratory detected 2-propanol in the samples at concentrations less than 0.01 percent by volume, indicating the sampling trains were adequately tight. The initial and final vacuum pressures of the summa canister were also measured and recorded. The laboratory report and chain-of-custody documentation are presented in Appendix G.

Based on the results of the sub-slab vapor sampling, GeoDesign completed a vapor probe screen at 11 locations (VP-1 through VP-9) at the project site on July 20, 2016. Vapor screen locations VP-1 and VP-2 have duplication locations as shown on Figure 13. The vapor probe screen was completed along the sewer lines located beneath Space A of the project site to evaluate for the presence of any additional releases of TCE to subsurface soil from the sewer lines. The approximate sub-slab vapor sample and vapor probe screen locations are shown on Figures 12 and 13.

The vapor screen was completed by drilling a ¼-inch-diameter hole through the concrete surface and advancing a decontaminated stainless steel vapor probe to an approximate depth of 0.5 foot BGS. The annular space between the probe and the ground surface was sealed with hydrated bentonite. Dedicated tubing was attached to the vapor probe and connected to a hand-held PID to run for 60 seconds, the reading was then recorded. The results of the vapor screen indicated the only release from the sewer line was near the northern catch basin.

11.3 SUBSURFACE EXPLORATIONS

On April 14 and 15 and May 31, 2016 GeoDesign subcontracted Pacific Soil & Water LLC to complete 27 direct-push borings (DP-1 through DP-27) at the project site to depths of up to 25.0 feet BGS. On July 20, 2016 GeoDesign completed eight additional direct push borings (DP-29 through DP-36) adjacent to the catch basins in Space A at the project site to a depth of 8.0 feet BGS. On July 22 and 26, 2016, PBS completed 15 test pits (TP-1 through TP-15) to depths up to 3.0 feet BGS at the paved storage and graveled parking lots at the eastern portion of the project site (Tax Lots 7200 and 7300). The approximate boring and test pit locations are shown on Figures 12 and 13. Logs of the direct-push borings are presented in Appendix F.

Soil encountered in the direct-push borings generally consists of fill (comprised of varying silt, sand, and gravel) overlying silty gravel with sand. Continuous soil samples were collected from each direct-push boring and screened in the field using visual and olfactory examination, water sheen screening, and headspace vapor screening using a hand-held PID. Field screening evidence of possible chemical impact in soil was observed in direct-push borings DP-2, DP-14, DP-17, DP-19, DP-25, DP-26, DP-27, DP-29, DP-30, DP-31, and DP-33. The field screening results are presented in Table 4. Based on our observations, up to two discrete soil samples from each boring were transferred into laboratory-prepared containers, placed into a cooler with ice, and

transported to the analytical laboratory under proper chain-of-custody procedures for possible chemical analyses. In addition, soil samples from five of the test pits completed by PBS were submitted for chemical analysis.

Groundwater was encountered at the project site at depths between 11 and 15 feet BGS. Grab groundwater samples were collected from direct push borings DP-1, DP-5, DP-9, DP-10, DP-13, DP-14, DP-17, DP-19, DP-25, and DP-26. The groundwater samples were collected by installing 10 feet of 1-inch-diameter temporary PVC well screen with solid casing to the ground surface. Disposable polyethylene tubing was inserted into the temporary well and connected to a peristaltic pump. The groundwater in the temporary well was purged until the water was relatively clear. The groundwater samples were transferred into laboratory-supplied containers and immediately placed on ice. The groundwater samples were submitted to ESC Lab Sciences under proper chain-of-custody for chemical analysis. The laboratory reports and chain-of-custody documentation are presented in Appendix G.

11.4 CHEMICAL ANALYTICAL PROGRAM

The soil, groundwater, and sub-slab vapor samples were transported under chain-of-custody procedures to ESC Lab Sciences of Mt. Juliet, Tennessee, and analyzed for one or more of the following analytes:

- Gasoline-range organics by Method NWTPH-Gx
- Diesel- and residual-range organics by Method NWTPH-Dx
- VOCs by EPA Method 8260B/5035
- PAHs by EPA Method 8270D-SIM (soil) and EPA Method 8270C-SIM (groundwater)
- Total metals by EPA 6010B/7471A Series Method
- PCBs by EPA Method 8082
- Gasoline-range organics [TPH (GC/MS) Low Fraction] and VOCs in vapor by EPA Method TO-15

The chemical analytical results are summarized in Tables 3 through 10 and discussed in the sections below. Applicable regulatory screening levels are discussed in Section 11.5. The chemical analytical laboratory reports and chain-of-custody documentation are presented in Appendix G.

11.5 REGULATORY SCREENING LEVELS

A conceptual site model was not prepared for the project site during this assessment. It is our understanding that the existing buildings are to remain at the project site and will be redeveloped for commercial/retail use. Accordingly, it is our professional opinion that the following DEQ RBCs are applicable for comparison of the chemical analytical results from this investigation:

- *Soil ingestion, Dermal Contact, and Inhalation:* occupational, construction worker, and excavation worker receptor scenarios
- *Volatilization from Soil and Groundwater to Outdoor Air:* urban residential and occupational receptor scenarios

- *Vapor Intrusion from Soil, Groundwater, and Soil Gas into Buildings:* occupational receptor scenario
- *Groundwater in Excavation:* construction and excavation worker receptor scenarios

A comparison of the chemical analytical results to applicable regulatory criteria is shown in Tables 3 through 10 and discussed below.

11.6 SOIL VAPOR CHEMICAL ANALYTICAL RESULTS

Thirteen sub-slab vapor samples (SV-1 through SV-13) were analyzed for gasoline-range hydrocarbons [TPH (GC/MS) Low Fraction] and VOCs in vapor by EPA Method TO-15.

TCE was detected in sub-slab vapor samples SV-3, SV-9, SV-11, and SV-13 at concentrations of 3,260,000 µg/m^3, 6,560 µg/m^3, 8,120 µg/m^3, and 5,330 µg/m^3, respectively. These concentrations exceed the DEQ RBC for the *Vapor Intrusion into Buildings* exposure pathway for occupational receptors of 2,900 µg/m^3.

Gasoline-range organics were detected above laboratory RDLs in 12 of the 13 sub-slab vapor samples submitted for chemical analysis. Gasoline-range hydrocarbons were detected in sub-slab vapor sample SV-3 at a concentration of 2,370,000 µg/m^3, which exceeds the RBC for *Vapor Intrusion into Buildings* for occupational receptors. ESC Lab Sciences indicated that TCE is found within the gasoline-range organic range based on the chemical analytical method and that the detection of gasoline-range organics is likely due to the high concentration of TCE.

All other VOCs were either not detected at concentrations greater than the analytical laboratory RDLs or were detected at concentrations less than the applicable DEQ RBCs.

11.7 DIRECT-PUSH EXPLORATIONS - SOIL CHEMICAL ANALYTICAL RESULTS

11.7.1 Gasoline-Range Organics

Twenty-eight soil samples collected from direct-push explorations at the project site were analyzed for gasoline-range organics by Method NWTPH-Gx. Gasoline-range organics were detected at a concentration of 18,400 mg/kg in soil sample DP-19(4.0-5.0), which exceeds the *Ingestion, Dermal Contact, and Inhalation* RBC for construction worker receptors. Gasoline-range organics were either not detected at concentrations greater than the analytical laboratory RDLs or detected at concentrations that do not exceed applicable RBCs in the other soil samples submitted for chemical analysis.

11.7.2 Diesel- and Residual-Range Organics

Twenty-nine soil samples collected from direct-push explorations at the project site were also analyzed for diesel- and residual-range organics by Method NWTPH-Dx. Diesel-range organics were detected in soil samples DP-26(10.0-11.0) and DP-33(3.5-4.0) at concentrations of 12,500 mg/kg and 6,760 mg/kg, respectively, which exceeds DEQ's *Ingestion, Dermal Contact, and Inhalation* RBC for construction worker receptors. Residual-range organics were detected in soil sample DP-33(3.5-4.0) at a concentration of 17,100 mg/kg, which exceeds DEQ's *Ingestion, Dermal Contact, and Inhalation* RBC for construction worker receptors. Diesel- and residual-

range organics were either not detected at concentrations greater than the analytical laboratory RDLs or were detected at concentrations that did not exceed applicable RBCs in the other soil samples submitted for chemical analysis.

11.7.3 VOCs

Forty soil samples collected from direct-push explorations at the project site were analyzed for VOCs by EPA Method 8260B. Naphthalene was detected in soil samples DP-17(7.0-8.0) and DP-26(10.0-11.0) at concentrations of 43.2 mg/kg and 54.2 mg/kg, respectively, which exceed the *Ingestion, Dermal Contact, and Inhalation* RBC for occupational receptors.

TCE was detected in soil samples DP-19(4.0-5.0) at 196 mg/kg, DP-29(3.5-4.0) at 393 mg/kg, DP-30(3.56-4.0) at 434 mg/kg, and DP-33(3.5-4.0) at 442 mg/kg, all of which exceed the *Ingestion, Dermal Contact, and Inhalation, Volatilization to Outdoor Air* and *Vapor Intrusion into Buildings* RBCs for occupational receptors. TCE was detected in soil samples DP-29(7.0-7.5) at 6.53 mg/kg, DP-30(6.0-7.0) at 7.95 mg/kg, DP-31(4.0-5.0) at 9.58 mg/kg, and DP-31(6.5-7.5) at 4.93 mg/kg, all of which exceed the *Vapor Intrusion into Buildings* RBCs for occupational receptors.

1,2,4-Trimethylbenzene was detected in soil sample DP-17(7.0-8.0) at a concentration of 352 mg/kg, exceeding the *Vapor Intrusion into Buildings* RBC for occupational receptors.

All other VOCs were either not detected at concentrations greater than the analytical laboratory RDLs or detected at concentrations that do not exceed applicable RBCs in the other soil samples submitted for chemical analysis.

11.7.4 PAHs

Twenty-eight soil samples collected from direct-push explorations at the project site were analyzed for PAHs by EPA Method 8270D-SIM. Benzo(a)pyrene was detected in soil samples DP-13(1.0-2.0) and DP-26(10.0-11.0) at concentrations of 0.413 mg/kg and 1.06 mg/kg, respectively. Naphthalene was detected in soil samples DP-17(7.0-8.0) and DP-26(10.0-11.0) at concentrations of 33.8 mg/kg and 37.8 mg/kg, respectively. Each of the above detected concentrations exceeds the respective *Ingestion, Dermal Contact, and Inhalation* RBC for occupational receptors. All other PAHs were either not detected at concentrations greater than the analytical laboratory RDLs or detected at concentrations that do not exceed applicable RBCs in the other soil samples submitted for chemical analysis.

11.7.5 Total Metals

Direct-push exploration soil samples DP-12(1.5-2.5), DP-13(1.0-2.0), DP-14(10.0-11.0), DP-17(7.0-8.0), and DP-26(10.0-11.0) were analyzed for total metals by EPA Methods 6010B/7471A. Arsenic, barium, cadmium, chromium, lead, and mercury were detected in one or more soil samples at concentrations greater than the analytical laboratory RDLs. The detected concentrations of arsenic in each sample exceed the *Ingestion, Dermal Contact, and Inhalation* RBC for occupational receptors; however, the detected concentrations are within the acceptable range of background concentrations established by DEQ for arsenic in the Portland Basin. Lead was detected in soil samples DP-12(1.5-2.5) and DP-13(1.0-2.0) at concentrations of 1,780 mg/kg and 3,550 mg/kg, respectively, which exceeds DEQ's *Ingestion, Dermal Contact,*

and Inhalation RBC for occupational, construction worker, and excavation worker receptors. Other metals were either not detected at concentrations greater than the analytical laboratory RDLs or were detected at concentrations that do not exceed applicable DEQ RBCs in the other soil samples submitted for chemical analysis.

11.7.6 PCBs

Direct-push exploration soil samples DP-12(1.5-2.5), DP-13(1.0-2.0), DP-14(10.0-11.0), DP-17(7.0-8.0), and DP-26(10.0-11.0) were analyzed for PCBs by EPA Method 8082. PCBs were not detected at concentrations greater than laboratory RDLs in the soil samples submitted for chemical analysis.

11.8 SHALLOW SOIL SAMPLING – TAX LOTS 7200 AND 7300

At the request of the current property owner (Custom Stamping & Manufacturing Company), PBS completed 15 test pits in the paved storage lot and graveled parking area at the eastern portion of the project site (Tax Lots 7200 and 7300). The test pits were completed on July 22 and 26, 2016 to a depth of 3.0 feet BGS at the project site to further characterize shallow soil for offsite disposal. PBS tested the soil for lead at 1-foot intervals using an Innov-X XRF. The data set of 47 readings averaged 321 mg/kg with a 90 percent UCL of 437 mg/kg. In two of the five discrete soil sample locations (TP-1-1 and TP-15-2) lead concentrations exceeded occupational, construction worker, and excavation worker limits of 800 mg/kg. Concentrations of lead in soil below approximately 2 feet BGS were generally less than the DEQ residential limits of 400 mg/kg. In general, the concentrations of lead in soil as measured within the Innov-X XRF exceed DEQ CFSLs and Background Metals Concentrations for the Portland Basin. The memorandum from PBS is presented in Appendix H and test pit locations are shown on Figure 12.

GeoDesign obtained five duplicate discrete soil samples from the test pits (TP-1-1, TP-3-3, TP-6-1, TP-14-1, and TP-15-2) and submitted the five discrete soil samples to ESC Lab Sciences for one or more of the following analysis:

- Diesel- and residual-range organics by Method NWTPH-Dx
- PAHs by EPA Method 8270D-SIM
- Total metals by EPA 6010B/7471A Series Method
- PCBs by EPA Method 8082

The chemical analytical results are summarized in Tables 4 through 7 and discussed below.

11.8.1 Diesel- and Residual-Range Organics

All five soil samples were analyzed for diesel- and residual-range organics by Method NWTPH-Dx. Diesel- and residual range organics were either not detected at concentrations exceeding the laboratory RDLs or detected at concentrations less than the applicable DEQ RBCs.

11.8.2 PAHs

Benzo(a)pyrene was detected in soil samples TP-1-1, TP-3-3, and TP-6-1 at concentrations of 0.127 mg/kg, 0.974 mg/kg, and 0.101 mg/kg, respectively, which exceed the *Ingestion, Dermal Contact, and Inhalation* RBC for occupational receptors. One or more of benzo(a)pyrene,

benzo(b)fluoranthene, dibenz(a,h)anthracene, ideno(1,2,3-cd)pyrene, and naphthalene were detected in soil samples TP-1-1, TP-3-3, TP-6-1 and TP-14-1 at concentrations that exceed DEQ CFSLs.

11.8.3 Total Metals

Arsenic was detected in all five soil samples at concentrations that exceed the DEQ CFSL of 8.8 mg/kg and DEQ's *Ingestion, Dermal Contact, and Inhalation* RBC for occupational receptors of 1.9 mg/kg.

Barium was detected in soil samples TP-1-1, TP-3-3, and TP-15-2 at concentrations of 1,160 mg/kg, 1,500 mg/kg, and 1,200 mg/kg, respectively, which exceed the DEQ CFSL.

Chromium was detected in soil samples TP-1-1, TP-3-3, and TP-15-2 at concentrations of 28.5 mg/kg, 40.5 mg/kg, and 38.9 mg/kg, which exceed DEQ's *Ingestion, Dermal Contact, and Inhalation* RBC for occupational receptors.

Lead was detected in all five soil samples at concentrations that exceed the DEQ CFSL of 79 mg/kg. The detected concentrations of lead in TP-1-1, TP-6-1, and TP-15-2 exceed DEQ's *Ingestion, Dermal Contact, and Inhalation* RBC for occupational, construction worker, and excavation worker receptors of 800 mg/kg.

Cadmium, mercury, and silver were detected in soil sample TP-15-2 at concentrations of 2 mg/kg, 0.330 mg/kg, and 1.82 mg/kg, respectively, which exceed DEQ CFSLs.

11.9 GROUNDWATER CHEMICAL ANALYTICAL RESULTS

11.9.1 Gasoline-Range Organics

Groundwater samples DP-1, DP-5, DP-9, DP-10, DP-13, DP-14, DP-17, DP-19, DP-25, and DP-26 were analyzed for gasoline-range organics by Method NWTPH-Gx. Gasoline-range organics were either not detected at concentrations exceeding the analytical laboratory RDLs or were detected at concentrations that did not exceed applicable DEQ RBCs.

11.9.2 Diesel- and Residual-Range Organics

Groundwater samples DP-1, DP-5, DP-9, DP-10, DP-13, DP-14, DP-17, DP-19, DP-25, and DP-26 were analyzed for diesel- and residual-range organics by Method NWTPH-Dx. Diesel- and residual-range organics were either not detected at concentrations exceeding the analytical laboratory RDLs or were detected at concentrations that did not exceed applicable DEQ RBCs.

11.9.3 VOCs

Groundwater samples DP-1, DP-5, DP-9, DP-10, DP-13, DP-14, DP-17, DP-19, DP-25, and DP-26 were analyzed for VOCs by EPA Method 8260B. VOCs were either not detected at concentrations exceeding the analytical laboratory RDLs or were detected at concentrations that did not exceed applicable DEQ RBCs.

11.9.4 PAHs

Groundwater samples DP-19, DP-25, and DP-26 were analyzed for PAHs by EPA Method 8270C SIM. PAHs were either not detected at concentrations exceeding the analytical laboratory RDLs or were detected at concentrations that did not exceed applicable DEQ RBCs.

11.9.5 Total Metals

Groundwater samples DP-14 and DP-17 were analyzed for total metals by EPA Method 6010B. Metals were either not detected at concentrations exceeding the analytical laboratory RDLs or were detected at concentrations that did not exceed applicable DEQ RBCs.

12.0 DATA GAPS

Data gaps were not encountered during the course of this assessment.

13.0 CONCLUSIONS AND RECOMMENDATIONS

GeoDesign performed the Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 and all appropriate inquiries specified in 40 CFR Part 312. The baseline ACM survey was completed in general accordance with ASTM E 2356-14. The environmental services performed at the project site were completed in conformance with the scope of services provided to Capstone Partners, LLC dated February 19, March 28, and May 10, 2016 for the Custom Stamping site located at 1340 SE 9th Avenue in Portland, Oregon. Any exceptions to or deletions from this practice are described in Sections 3.0 and 15.0. This assessment has revealed the following:

- TCE was detected in sub-slab vapor samples SV-3, SV-9, SV-11, and SV-13 at concentrations of 3,260,000 µg/m^3, 6,560 µg/m^3, 8,120 µg/m^3, and 5,330 µg/m^3, respectively, which exceed the DEQ RBC for the *Vapor Intrusion into Buildings* exposure pathway for occupational receptors of 2,900 µg/m^3. TCE was detected in soil samples DP-19(4.0-5.0) (located at the SV-3 sample location) at 196 mg/kg, DP-29(3.5-4.0) at 393 mg/kg, DP-30(3.56-4.0) at 434 mg/kg, and DP-33(3.5-4.0) at 442 mg/kg, all of which exceed the *Ingestion, Dermal Contact, and Inhalation, Volatilization to Outdoor Air* and *Vapor Intrusion into Buildings* RBCs for occupational receptors. TCE was detected in soil samples DP-29(7.0-7.5) at 6.53 mg/kg, DP-30(6.0-7.0) at 7.95 mg/kg, DP-31(4.0-5.0) at 9.58 mg/kg, and DP-31(6.5-7.5) at 4.93 mg/kg, all of which exceed the *Vapor Intrusion into Buildings* RBCs for occupational receptors. These soil sample results indicate that the presence of TCE is limited to soil in the area near the northern catch basin in Space A of the project site.

  GeoDesign recommends focused source-area removal of TCE-impacted soil to the extent practicable and subsequent installation of an active sub-slab depressurization system to remove vapor-phase TCE from underneath the building slab to outdoor air through a vent stack. The system would require periodic monitoring and sampling to track remediation progress. High concentrations of TCE were only observed adjacent to the northern catch basin, and it is our opinion that a focused soil removal prior to the installation of the vapor extraction system would reduce the risk of contact from contaminated soil. GeoDesign

recommends enrolling the project site in DEQ's VCP in order to receive regulatory oversight during mitigation, which would ultimately lead to an NFA determination for the project site.

- An approximately 2,000-gallon UST is located in the southern ROW of SE Main Street, north of Space 1C. Soil samples DP-26(10.0-11.0) and DP-27(10.5-11.5), collected near the inferred bottom of the UST, contained diesel-range organics, naphthalene, and/or benzo(a)pyrene at concentrations exceeding applicable DEQ RBCs, indicating that a release to soil occurred from the UST. Under contract to Custom Stamping, PBS reported the UST release to DEQ and supervised the decommissioning and removal of the UST by a licensed UST service provider in August 2016. At the time of this report, PBS is in the process of preparing a LUST site report that summarizes the UST removal activities. According to PBS, the LUST site report will be submitted to DEQ in September 2016 and will request regulatory file closure from DEQ based on the findings from the decommissioning activities.
- Reportedly, three USTs were decommissioned by removal from the paved service yard northwest of Space 1C in the late 1980s. Documentation regarding the decommissioning was not provided to GeoDesign in the course of this assessment. Soil sample DP-17(7.0-8.0), collected near the former UST area, contained naphthalene and 1,2,4-trimethylbenzene (gasoline constituents) at concentrations that exceed the *Ingestion, Dermal Contact, and Inhalation* RBCs for occupational receptors. In addition, gasoline-range organics, VOCs, and PAHs were detected in the soil sample at concentrations greater than the analytical laboratory RDLs. This area is currently capped with concrete; therefore, contact with impacted soil by occupational receptors is unlikely. If soil is removed from this area in the future, it may not meet DEQ clean fill requirements and will likely need to be transported to a RCRA Subtitle D landfill.
- Soil samples collected at the paved storage and graveled parking lots (Tax Lots 7200 and 7300) at the project site contained concentrations of gasoline-, diesel-, and residual-range organics; VOCs; PAHs; and metals greater than laboratory RDLs. Benzo(a)pyrene, arsenic, chromium, and lead were detected at concentrations exceeding *Ingestion, Dermal Contact, and Inhalation* RBCs for occupational receptors as well as DEQ CFSLs. Detected concentrations of lead also exceeded *Ingestion, Dermal Contact, and Inhalation* RBCs for construction and excavation worker receptors as well as DEQ CFSLs. The upper horizon of soil removed from these lots (i.e., 0 to 2 feet BGS) will likely need to be transported off site for disposal at a RCRA subtitle D landfill.
- ACM was detected in floor tile, mastic, and exterior window caulk throughout the project site. The ACM appeared in fair condition. The ACM should be removed and disposed of by a licensed abatement contractor in accordance with all applicable federal, state, and local regulation prior to renovation. If any unknown suspected materials are encountered during demolition activities, they should be sampled and analyzed to verify their content prior to disturbance.

  Based on the results of the baseline ACM, GeoDesign recommends performing a pre-construction hazardous building materials survey. A pre-construction survey includes all spaces within the limits of construction, as well as adjacent areas where ACM may be disturbed by construction activities. Destructive testing should be completed prior to building renovation to access concealed areas of the project site structures and evaluate those areas for the presence of ACM.

- LBP was identified on the west wall in Space E. It is possible, however, that LBP may be present in locations that were not identified during this assessment. Based on the results of the LBP survey, contractors should be notified of the presence of LBP. Contractors should require their employees to use appropriate personal protective equipment, stabilize LBP in poor condition, and utilize dust suppression methods when conducting renovation or demolition activities.
- A dry well is present in the service yard west of Space G that is served by Space G rain drains and a catch basin. If the dry well is to remain in service, it should be registered with DEQ's UIC program, otherwise it should be decommissioned in accordance with DEQ regulations.
- A UST permit reviewed by GeoDesign indicates a 550-gallon gasoline UST may be present in the ROW along SE 10th Avenue. The location of the UST or a pit indicating the UST was removed was not identified during the geophysical survey. If the UST or pit is located during upcoming improvements, the UST should be decommissioned in accordance with DEQ regulations and/or the soil should be evaluated to determine if a release has impacted the soil.
- Numerous drums and containers that primarily contain petroleum-related compounds are present throughout the project site. The drums and containers should be properly removed and disposed of.

GeoDesign recommends preparation of a CMMP prior to site renovation to provide guidance for the proper handling of impacted soil in the loading dock area west of Space C and the eastern paved storage and graveled parking lots (Tax Lots 7200 and 7300). A CMMP is a guide for the excavation contractor to identify, store, transport, and properly dispose of contaminated soil.

14.0 DECLARATIONS

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 40 CFR Part 312.10. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the project site. We developed and performed all the appropriate inquiries in accordance with the standards and practices set forth in 40 CFR Part 312.

15.0 LIMITATIONS

This Environmental Services Report has been prepared for use by Capstone Partners, LLC. GeoDesign makes no warranties or guarantees regarding the accuracy or completeness of information provided or compiled by others. The information presented in this report is based on the above-described research and six recent site visits. Information provided by others was relied on in our description of historical conditions and review of regulatory databases and files. The available data do not provide definitive information with regard to all past uses, operations, or incidents at the project site or adjacent properties. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property. There is always a potential that areas with contamination that were not identified during this assessment exist at the project site or in the study areas. Further evaluation of such potential would require additional research, subsurface exploration, sampling, and/or testing.

Some substances may be present in the project site vicinity in quantities or under conditions that may have led or may lead to contamination of the project site but are not included in current local, state, or federal regulatory definitions of hazardous substances or do not otherwise present current potential liability. GeoDesign cannot be responsible if the standards of all appropriate inquiry or regulatory definitions of hazardous substance change or if you are required to meet more stringent standards in the future.

This report is not intended for use by others, and the information contained herein is not applicable to other sites. Reliance on this report by other parties is strictly at the risk of those parties, and GeoDesign will grant no third party reliance unless specifically requested in writing by our client for whom this report was prepared.

Within the limitations of scope, schedule, and budget, our services have been executed in accordance with the generally accepted environmental science practices for environmental services in this area at the time this report was prepared. No warranty or other conditions, express or implied, should be understood.

♦ ♦ ♦

We appreciate the opportunity to be of service to Capstone Partners, LLC. Please call if you have questions regarding this report.

Sincerely,

GeoDesign, Inc.

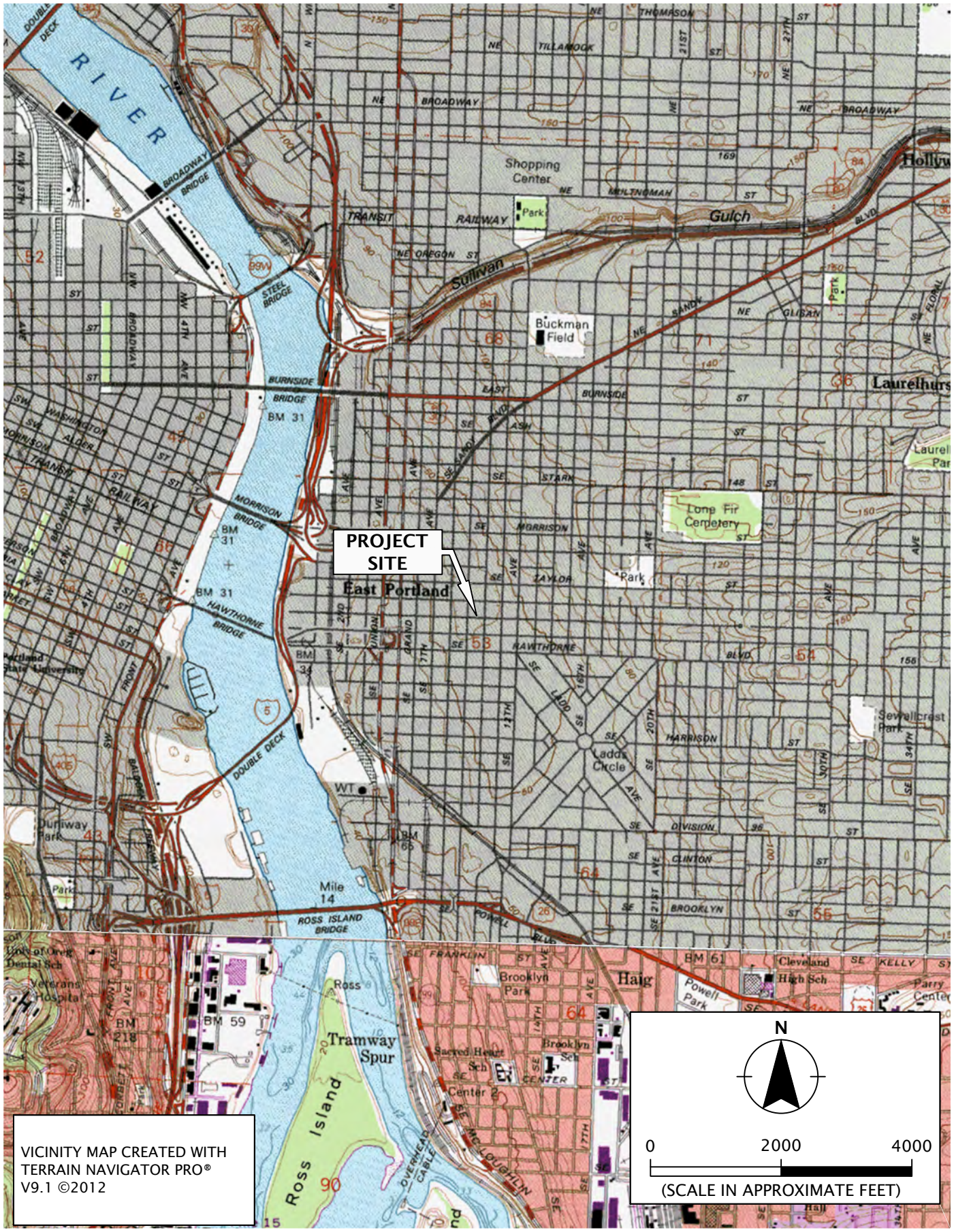
Kevin M. Cline
Environmental Staff

Erik A. Hedberg, P.E., C.W.R.E.
Senior Project Engineer

Robert E. Belding, R.G.
Principal Geologist

Expires 11/30/2016

FIGURES



GeoDesign Inc
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03	**VICINITY MAP**	
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR	**FIGURE 1**

Printed By: mmiller | Print Date: 8/17/2016 12:31:00 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-VM01.dwg | Layout: FIGURE 1

LEGEND:

PROJECT SITE BOUNDARY

TAX LOT

N

0 60 120

(SCALE IN FEET)

SITE PLAN BASED ON AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH PRO®, MARCH 15, 2016

SITE PLAN

CUSTOM STAMPING SITE
PORTLAND, OR

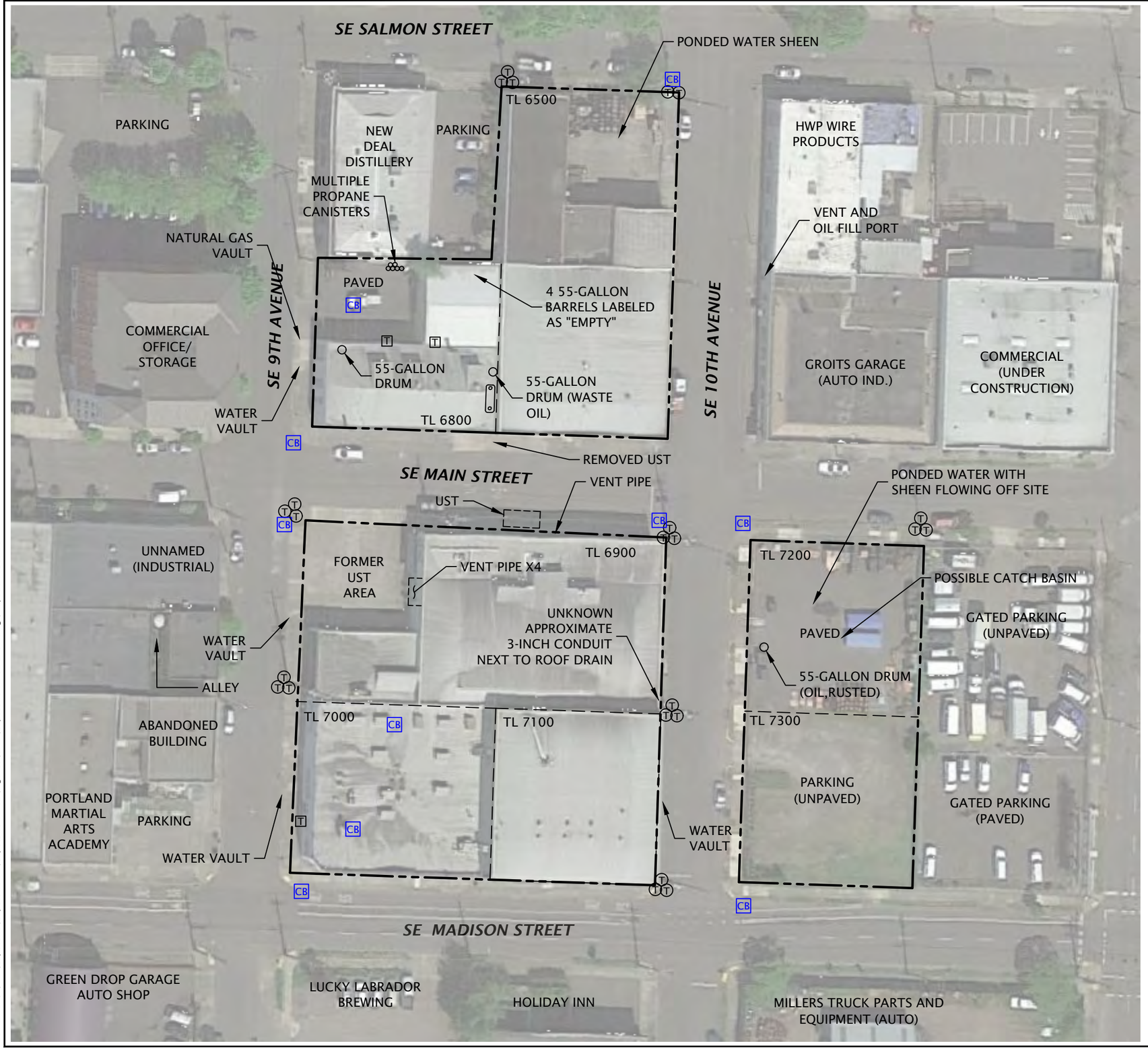
FIGURE 2

CAPSTONE-12-02/12-03

AUGUST 2016

GEODESIGN NW
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

Printed By: mmiller | Print Date: 8/17/2016 12:38:11 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-SP01.dwg | Layout: FIGURE 2



LEGEND:

- CB — CATCH BASIN
- T — POLE-MOUNTED TRANSFORMER
- T — PAD-MOUNTED TRANSFORMER
- PROJECT SITE BOUNDARY
- TAX LOT
- AST

N

0 60 120

(SCALE IN FEET)

SITE PLAN BASED ON AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH PRO®, MARCH 15, 2016

SITE PLAN

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE 3

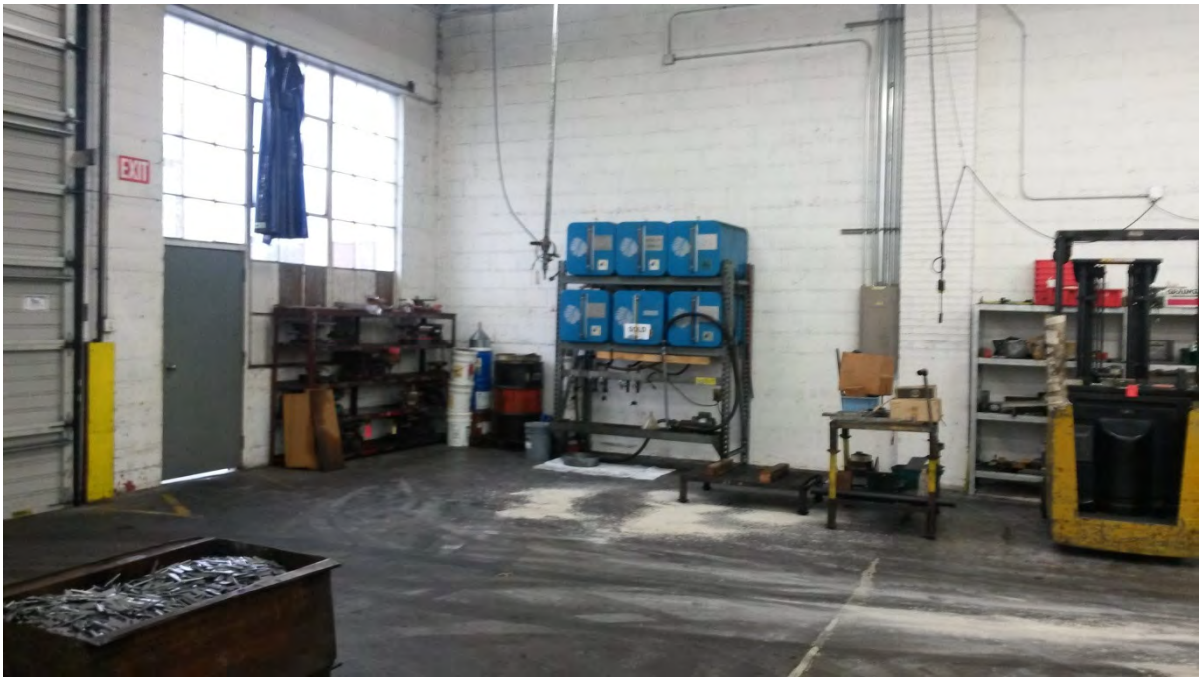
CAPSTONE-12-02/12-03

AUGUST 2016

GeoDesign
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

Printed By: mmiller | Print Date: 8/17/2016 12:39:11 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-SP01.dwg | Layout: FIGURE 3

FORMER FUELING/UST AREA SOUTHEAST OF SE 9TH AVENUE AND SE MAIN STREET.
PHOTOGRAPH TAKEN FACING SOUTHWEST.



HAZARDOUS SUBSTANCES STORED AT THE PROJECT SITE (SPACE "E").

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

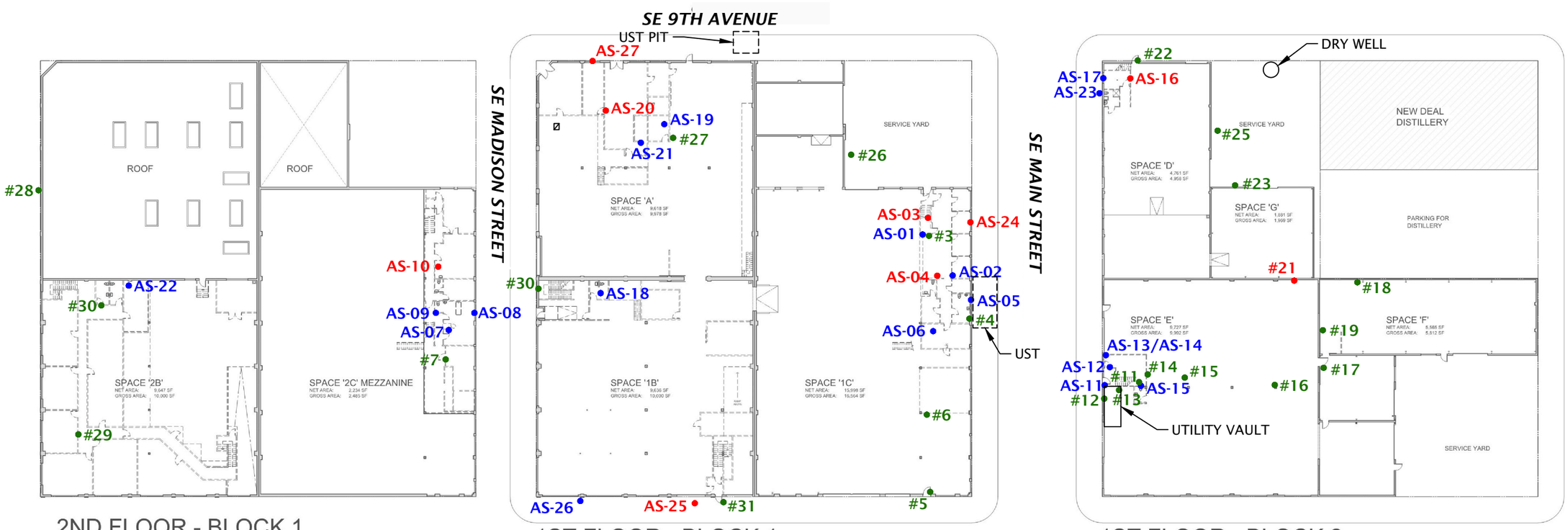
CAPSTONE-12-02/12-03	**PROJECT SITE PHOTOGRAPHS**	
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR	**FIGURE 4**

PAVED LAY-DOWN LOT (TAX LOT 7200) WITH PONDED WATER AND SHEEN. PHOTOGRAPH TAKEN FACING EAST.

UST LOCATED IN THE SOUTH SIDE OF SE MAIN STREET. PHOTOGRAPH TAKEN FACING EAST.

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03	**PROJECT SITE PHOTOGRAPHS**	
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR	**FIGURE 5**



LEGEND:

AS-01 • SUSPECT ACM SAMPLE LOCATION (RED INDICATES >1%)

#1 • LBP SAMPLE LOCATION (RED INDICATES >1 MG/CM²)

N

0 50 100

(SCALE IN FEET)

SITE PLAN BASED ON IMAGE OBTAINED FROM CAPSTONE PARTNERS LLC MARCH 15, 2016

SITE PLAN - ACM AND LBP SAMPLING

FIGURE 6

CUSTOM STAMPING SITE
PORTLAND, OR

CAPSTONE-12-02/12-03

AUGUST 2016

GEODESIGN NW
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

Printed By: mmiller | Print Date: 8/17/2016 1:57:53 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02 SP01.dwg | Layout: FIGURE 6

THE BLACK MASTIC IN SAMPLE AS-03 CONTAINS 5 PERCENT CHRYSOTILE. THE GREEN FLOOR TILE CONTAINS 3 PERCENT CHRYSOTILE.

THE GREEN FLOOR TILE IN SAMPLE AS-04 CONTAINS 5 PERCENT CHRYSOTILE.

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03	**ACM SAMPLING PHOTOGRAPHS**	
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR	**FIGURE 7**

THE BROWN FLOOR TILE IN SAMPLE AS-10 CONTAINS 5 PERCENT CHRYSOTILE.

THE BEIGE FLOOR TILE IN SAMPLE AS-16 CONTAINS 3 PERCENT CHRYSOTILE.

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

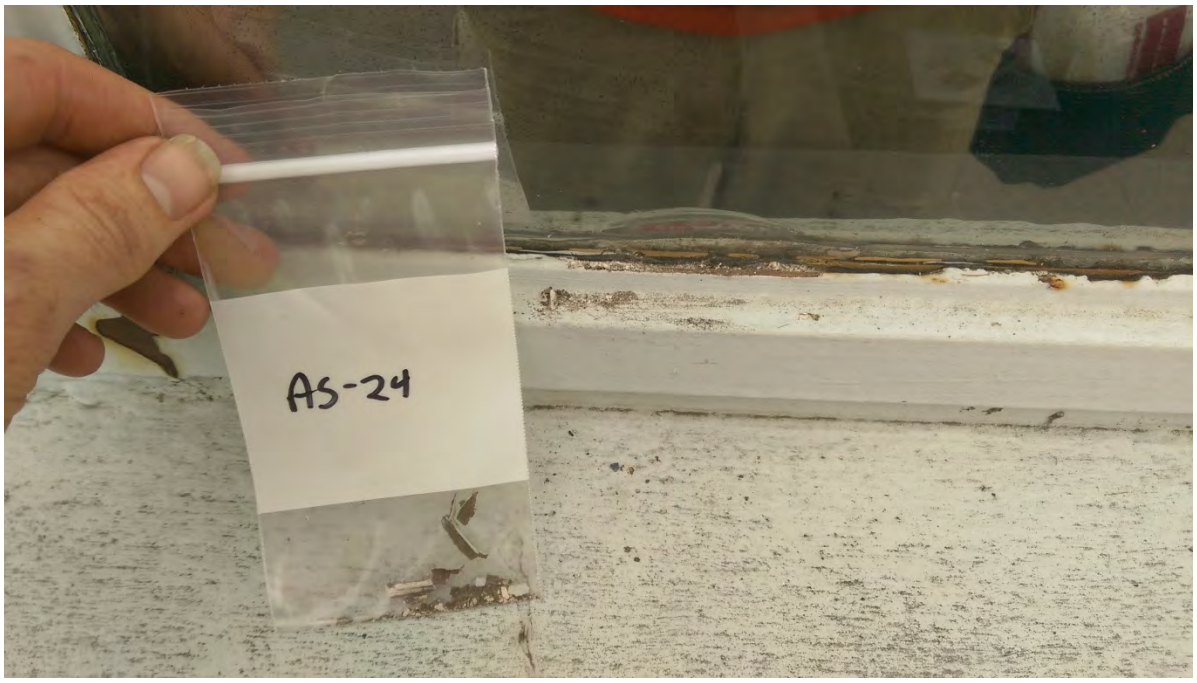
CAPSTONE-12-02/12-03	**ACM SAMPLING PHOTOGRAPHS**	
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR	**FIGURE 8**

SAMPLE AS-20 (BROWN FLOOR TILE WITH BLACK MASTIC AND PINK FLOOR TILE WITH PINK MASTIC) CONTAINS UP TO 10 PERCENT CHRYSOTILE.

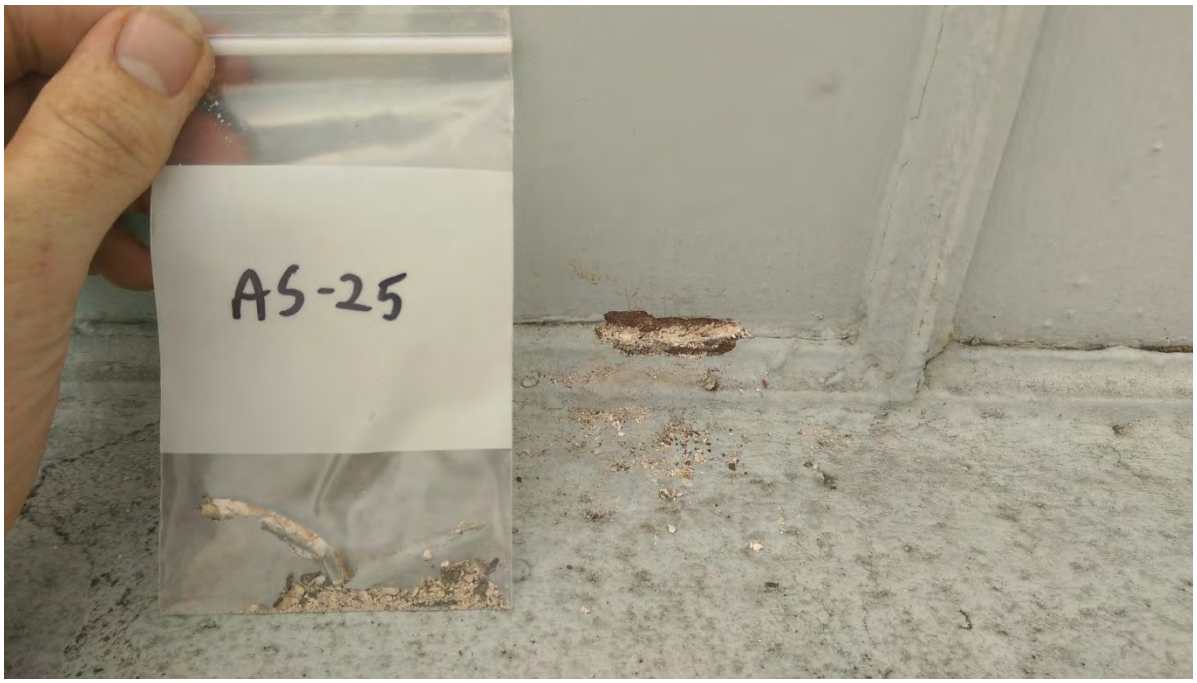
THE BROWN MASTIC IN SAMPLE AS-21 (ACOUSTICAL CEILING TILE) CONTAINS LESS THAN 1 PERCENT TREMOLITE.

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03	**ACM SAMPLING PHOTOGRAPHS**	
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR	**FIGURE 9**



THE WINDOW CAULK IN SAMPLE AS-24 CONTAINS UP TO 3 PERCENT CHRYSOTILE.



THE WINDOW CAULK IN SAMPLE AS-25 CONTAINS 3 PERCENT CHRYSOTILE.

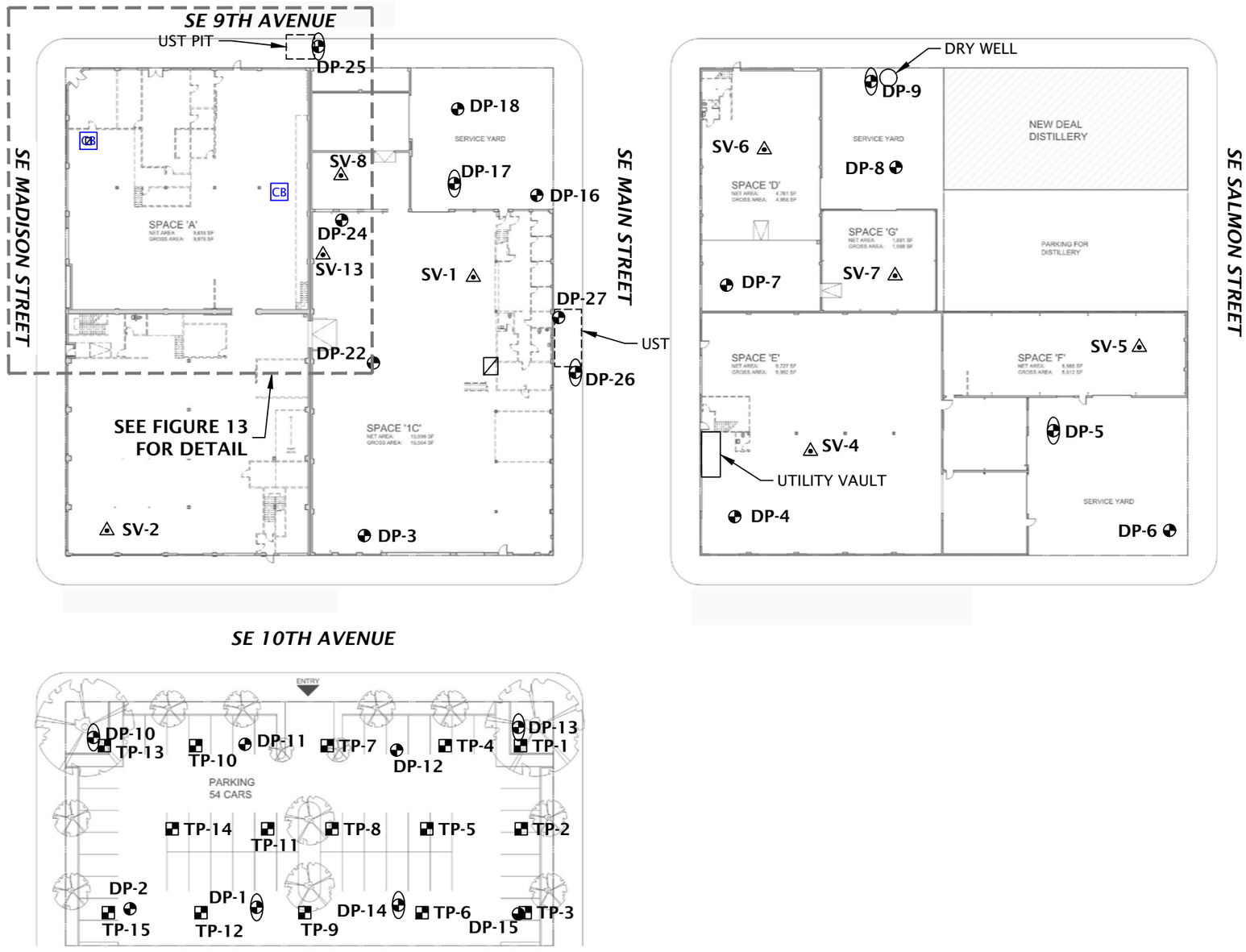
GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03	**ACM SAMPLING PHOTOGRAPHS**	
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR	**FIGURE 10**

THE WINDOW CAULK IN SAMPLE AS-27 CONTAINS UP TO 2 PERCENT CHRYSOTILE.

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03	**ACM SAMPLING PHOTOGRAPHS**	
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR	**FIGURE 11**



LEGEND:

- DP-1 — DIRECT-PUSH BORING
- SV-1 — VAPOR SAMPLE
- DP-1 — GROUNDWATER SAMPLE
- TP-1 — TEST PIT (PBS, JULY 2016)
- PRESS SUMP
- CB — CATCH BASIN

N

0 50 100

(SCALE IN FEET)

SITE PLAN BASED ON IMAGE OBTAINED FROM
CAPSTONE PARTNERS LLC
MARCH 15, 2016

SITE PLAN - SUBSURFACE EXPLORATION LOCATIONS

FIGURE 12

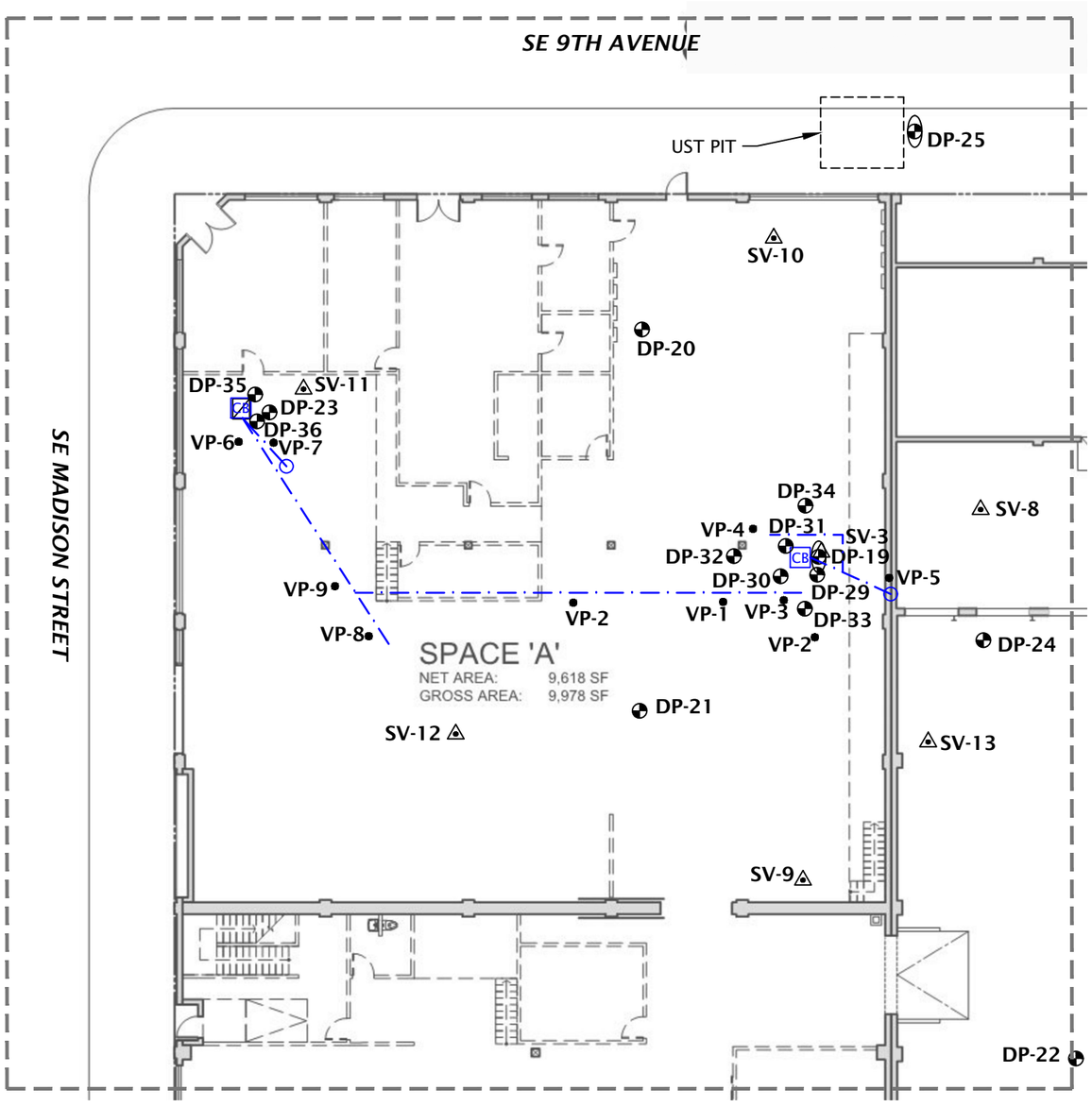
CUSTOM STAMPING SITE
PORTLAND, OR

CAPSTONE-12-02/12-03

AUGUST 2016

GeoDesign NW
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

Printed By: mmiller | Print Date: 8/17/2016 12:38:14 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-SP01.dwg | Layout: FIGURE 12



LEGEND:

DP-19	DIRECT-PUSH BORING
SV-8	VAPOR SAMPLE
DP-19	GROUNDWATER SAMPLE
VP-1	VAPOR PROBE SCREENING
CB	CATCH BASIN
	SEWER LINE

N

0 20 40

(SCALE IN FEET)

SITE PLAN BASED ON IMAGE OBTAINED FROM
CAPSTONE PARTNERS LLC
MARCH 15, 2016

SITE PLAN - SUBSURFACE EXPLORATION LOCATIONS

FIGURE 13

CUSTOM STAMPING SITE
PORTLAND, OR

CAPSTONE-12-02/12-03

AUGUST 2016

GeoDesign NW
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

Printed By: mmiller | Print Date: 8/17/2016 12:38:15 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-SP01.dwg | Layout: FIGURE 13

TABLES

TABLE 1
Summary of Suspect ACM Analytical Results[1]
Custom Stamping Site
Portland, Oregon
April 13, 2016

Sample I.D.	Layer	Location	Homogenous Material Description	Material Category (S/T/M)	Friable (Y/N)	Asbestos	Type	Aproximate Quantity of ACM (square feet)
AS-01	1	1C Office Area	Cove Base, Gray	M	N	ND	NA	NA
	2		Mastic, Off White	M	N	ND	NA	
	3		Mastic, Brown	M	N	ND	NA	
AS-02	1		Drywall, White/Brown	M	N	ND	NA	NA
	2		Texture, White/Off White	M	N	ND	NA	
AS-03	1		Floor Tile, Brown	M	N	ND	NA	3,750
	2		Mastic, Black	M	N	5%	Chrysotile	
	3		Floor Tile, Green	M	N	3%	Chrysotile	
	4		Mastic, Black	M	N	5%	Chrysotile	
AS-04	1		Linoleum, Red/Orange	M	N	ND	NA	
	2		Mastic, Off White	M	N	ND	NA	
	3		Floor Tile, Green	M	N	5%	Chrysotile	
	4		Mastic, Black	M	N	ND	NA	
AS-05	1		Floor Tile, Gray	M	N	ND	NA	NA
	2		Mastic, Black	M	N	ND	NA	
AS-06	1		Floor Tile, Light Blue	M	N	ND	NA	NA
	2		Mastic/Leveling Compound, Yellow/Off White	M	N	ND	NA	

TABLE 1
Summary of Suspect ACM Analytical Results[1]
Custom Stamping Site
Portland, Oregon
April 13, 2016

Sample I.D.	Layer	Location	Homogenous Material Description	Material Category (S/T/M)	Friable (Y/N)	Asbestos	Type	Aproximate Quantity of ACM (square feet)
AS-07	1	2C Mezzanine	Floor Tile, Blue	M	N	ND	NA	NA
	2		Mastic, Yellow	M	N	ND	NA	
AS-08	1		Window Sealant, Gray	M	N	ND	NA	NA
AS-09	1		Plaster-Scratch Coat, Light Gray/Black	M	N	ND	NA	NA
	2		Plaster-Finish Coat, Lt. Beige	M	N	ND	NA	
	3		Texture/Paint, White/Off White	M	N	ND	NA	
AS-10	1		Floor Tile, Brown	M	N	5%	Chrysotile	400
	2		Mastic, Black	M	N	ND	NA	
	3		Vapor Barrier, Black	M	N	ND	NA	
	4		Mastic, Brown	M	N	ND	NA	
AS-11	1	Space E	Floor Tile, Blue	M	N	ND	NA	NA
	2		Mastic, Yellow	M	N	ND	NA	
AS-12	1		Floor Tile, Brown	M	N	ND	NA	NA
	2		Mastic, Clear	M	N	ND	NA	
AS-13	1		Cove Base, Brown	M	N	ND	NA	NA
	2		Mastic, Yellow	M	N	ND	NA	
AS-14	1		Acoustical Ceiling Tile, White/Brown	M	N	ND	NA	NA
	2		Mastic, Dark Brown	M	N	ND	NA	
AS-15	1		Floor Tile, Beige	M	N	ND	NA	NA
	2		Mastic, Light Brown	M	N	ND	NA	

TABLE 1
Summary of Suspect ACM Analytical Results[1]
Custom Stamping Site
Portland, Oregon
April 13, 2016

Sample I.D.	Layer	Location	Homogenous Material Description	Material Category (S/T/M)	Friable (Y/N)	Asbestos	Type	Aproximate Quantity of ACM (square feet)
AS-16	1	Space D	Floor Tile, Beige	M	N	3%	Chrysotile	150
	2		Mastic, Yellow	M	N	ND	NA	
AS-17	1		Window Sealant, Brown/Gray	M	N	ND	NA	NA
AS-18	1	Space 1B	Drywall, White/Brown	M	N	ND	NA	NA
	2		Tape, White	M	N	ND	NA	
	3		Texture, White/Light Gray	M	N	ND	NA	
AS-19	1	Space A	Floor Tile, White/Blue	M	N	ND	NA	NA
	2		Mastic, Yellow	M	N	ND	NA	
	3		Caulking, White	M	N	ND	NA	
AS-20	1		Floor Tile, Brown	M	N	5%	Chrysotile	300
	2		Mastic, Black	M	N	3%	Chrysotile	
	3		Floor Tile, Pink	M	N	10%	Chrysotile	
	4		Mastic, Tan	M	N	2%	Chrysotile	
AS-21	1		Acoustical Ceiling Tile, White/Tan	M	N	ND	NA	250
	2		Mastic, Dark Brown	M	N	<1%	Tremolite	
AS-22	1	Space 2B	Floor Tile, Beige/Blue/Pink	M	N	ND	NA	NA
	2		Mastic, Yellow	M	N	ND	NA	
AS-23	1	Exterior Space D	Window Caulk, White/Brown/Light Blue	M	N	ND	NA	NA
AS-24	1	Exterior Space 1C	Window Caulk, White/Light Blue	M	N	3%	Chrysotile	Throughout
AS-25	1	Exterior Space 1B	Window Caulk, White/Light Blue	M	N	3%	Chrysotile	Throughout

TABLE 1
Summary of Suspect ACM Analytical Results[1]
Custom Stamping Site
Portland, Oregon
April 13, 2016

Sample I.D.	Layer	Location	Homogenous Material Description	Material Category (S/T/M)	Friable (Y/N)	Asbestos	Type	Aproximate Quantity of ACM (square feet)
AS-26	1	Exterior Space 2B	Window Caulk, Gray/Light Blue	M	N	ND	NA	NA
AS-27	1	Exterior Space A	Window Caulk, White/Light Blue	M	N	2%	Chrysotile	Throughout

Notes:
1. Polarized light microscopy performed by EMC Laboratories of Phoenix, Arizona.
M: miscellaneous materials
Shading indicates asbestos concentration at a concentration greater than 1%
ND: Asbestos was not detected above 1 percent.
S: surfacing material
T: thermal system insulation

TABLE 2
Summary of LBP Survey Results
Custom Stamping Site
1340 SE 9th Avenue
Portland, Oregon
April 13, 2016

Reading Number	Component	Substrate	Condition	Color	Area/Room I.D.	Result	Lead Concentration (mg/cm^2)
3	Wall	Wood	Fair	White	Space 1C	Negative	< LOD
4	Wall	Plaster	Fair	White	Space 1C	Negative	< LOD
5	Door	Wood	Fair	Grey	Space 1C	Negative	< LOD
6	Column	Wood	Fair	Grey	Space 1C	Negative	< LOD
7	Wall	Wood	Fair	White	Space 2C	Negative	< LOD
11	Wall	Wood	Fair	Tan	Space E	Positive	< LOD
12	Door	Wood	Fair	Tan	Space E	Negative	< LOD
13	Tread	Wood	Fair	Blue	Space E	Negative	< LOD
14	Window	Wood	Fair	White	Space E	Negative	< LOD
15	Column	Metal	Fair	Yellow	Space E	Negative	< LOD
16	Column	Wood	Fair	White	Space E	Negative	< LOD
17	Door	Metal	Fair	Grey	Space E	Negative	< LOD
18	Wall	Concrete	Fair	Green	Space F	Negative	< LOD
19	Door	Metal	Fair	Grey	Space F	Positive	< LOD[1]
21	Wall	Concrete	Fair	Blue	Space E	Positive	1.3
22	Door	Wood	Fair	Red	Space D	Negative	< LOD
23	Wall	Metal	Fair	Yellow	Space G Exterior	Negative	< LOD
25	Wall	Concrete	Poor	Blue	Space D Exterior	Negative	< LOD
26	Wall	Concrete	Poor	Blue	Space 1C Exterior	Negative	< LOD
27	Wall	Wood	Fair	Beige	Space A	Negative	< LOD
28	Wall	Concrete	Fair	Blue	Space B Exterior	Negative	0.7

TABLE 2
Summary of LBP Survey Results
Custom Stamping Site
1340 SE 9th Avenue
Portland, Oregon
April 13, 2016

Reading Number	Component	Substrate	Condition	Color	Area/Room I.D.	Result	Lead Concentration (mg/cm^2)
29	Wall	Drywall	Fair	White	Space 2B	Negative	< LOD
30	Wall	Drywall	Fair	White	Space 2B	Negative	< LOD
31	Door	Wood	Fair	Blue	Space B Exterior	Negative	< LOD

Note:
Shading indicates the presence of LBP (lead concentrations exceeding 1 mg/cm^2).
<LOD: less than limit of detection (1 mg/cm^2)
1: XRF registered a positive result due to the margin of error exceeding the detection limit.

TABLE 3
Summary of Vapor Sample Chemical Analytical Results[1]
Sub-Slab Vapor Samples - TPH and VOCs
Custom Stamping Site
Portland, Oregon

Sample Location or I.D.	Sample Date	TPH-Gasoline (µg/m³)	VOCs[2] by EPA Method TO-15 (µg/m³)																			
			Acetone	Benzene	1,3-Butadiene	Carbon Disulfide	Chloroethane	Chloroform	Chloromethane	Cyclohexane	1,2-Dichlorobenzene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,4-Dioxane	Ethanol	Ethylbenzene	4-Ethyltoluene	Dichlorodifluoromethane	1,1,2-Trichlorotrifluoroethane	Heptane
Sub-Slab Vapor Sampling (GeoDesign, April 2016)																							
SV-1	04/06/16	**76,400**	**730**	**73**	ND<111	ND<15.6	**53.1**	ND<24.3	ND<10.3	ND<17.2	ND<30.1	ND<30.1	**41.4**	**49.5**	**49.5**	ND<19.8	**173**	**325**	**42.7**	**602**	ND<24.7	ND<38.3	**104**
SV-2	04/06/16	**2,130**	**55.3**	**4.57**	ND<8.85	**8.18**	ND<1.06	ND<1.95	ND<0.826	ND<1.38	ND<2.40	ND<2.40	ND<1.60	ND<1.59	ND<1.59	ND<1.59	**19.1**	**33.2**	ND<1.73	ND<1.96	**3.09**	ND<3.07	ND<1.64
SV-3	04/06/16	**2,370,000**	**1,530**	**290**	ND<354	**84.5**	ND<42.2	**274**	ND<33.0	**97.1**	ND<96.2	ND<96.2	ND<64.1	ND<63.4	**986**	ND<1.59	ND<57.7	**389**	**852**	**861**	ND<79.1	ND<123	**293**
SV-4	04/06/16	**2,520**	**200**	**19.9**	**13.1**	**7.17**	ND<1.06	ND<1.95	ND<0.826	ND<1.38	ND<2.40	ND<2.40	ND<1.60	ND<1.59	ND<1.59	ND<1.59	ND<1.44	**88**	**3.89**	**15.4**	**2.29**	ND<3.07	**2.37**
SV-5	04/06/16	**557**	**160**	ND<1.28	ND<8.85	ND<1.24	ND<1.06	ND<1.95	ND<0.826	**2.62**	ND<2.40	ND<2.40	ND<1.60	ND<1.59	ND<1.59	ND<1.59	ND<1.44	**60.5**	ND<1.73	ND<1.96	**2.14**	ND<3.07	ND<1.64
SV-6	04/06/16	ND<413	**23.7**	**1.81**	ND<8.85	ND<1.24	ND<1.06	ND<1.95	ND<0.826	ND<1.38	ND<2.40	ND<2.40	ND<1.60	ND<1.59	ND<1.59	ND<1.59	ND<1.44	**61.9**	ND<1.73	ND<1.96	**2.37**	ND<3.07	ND<1.64
SV-7	04/06/16	**2,640**	**75.4**	ND<1.28	ND<8.85	ND<1.24	ND<1.06	ND<1.95	**1.15**	ND<1.38	ND<2.40	ND<2.40	ND<1.60	ND<1.59	ND<1.59	ND<1.59	ND<1.44	ND<4,750	ND<1.73	ND<1.96	**2.22**	ND<3.07	ND<1.64
Sub-Slab Vapor Sampling (GeoDesign, May 2016)																							
SV-8	05/23/16	**2,840**	**66.2**	ND<5.11	ND<35.4	ND<4.98	ND<4.22	ND<7.79	ND<3.30	ND<5.51	ND<9.62	ND<9.62	ND<6.41	ND<6.34	**7.85**	ND<6.34	**30.6**	**19.9**	ND<6.94	ND<7.85	ND<7.91	ND<12.3	**9.24**
SV-9	05/23/16	**10,400**	**150**	ND<5.11	ND<35.4	ND<4.98	ND<4.22	**37.9**	ND<3.30	ND<5.51	ND<9.62	ND<9.62	ND<6.41	ND<6.34	ND<6.34	ND<6.34	**37.9**	**64.8**	ND<6.94	ND<7.85	ND<7.91	ND<12.3	ND<6.54
SV-10	05/23/16	**1,390**	**2,100**	**9.57**	ND<17.7	ND<2.49	ND<2.11	ND<3.89	ND<1.65	ND<2.76	ND<4.81	**10.8**	ND<3.21	ND<3.17	ND<3.17	ND<3.17	**3.20**	**252**	ND<3.47	**6.43**	ND<3.96	ND<6.13	**7.45**
SV-11	05/23/16	**10,000**	**149**	**17.0**	ND<35.4	ND<4.98	ND<4.22	**23.7**	ND<3.30	ND<5.51	ND<9.62	**14.0**	ND<6.41	**100**	**229**	**228**	ND<5.77	**40.7**	ND<6.94	ND<7.85	ND<7.91	ND<12.3	ND<6.54
SV-12	05/23/16	**29,400**	**244**	ND<16.0	ND<111	ND<15.6	ND<13.2	ND<24.3	ND<10.3	ND<17.2	ND<30.1	ND<30.1	ND<20.0	ND<19.8	ND<19.8	ND<22.7	ND<18.0	ND<29.8	ND<21.7	ND<24.5	ND<24.7	ND<38.3	ND<20.4
SV-13	05/23/16	**7,090**	**223**	**9.25**	ND<8.85	ND<1.24	ND<1.06	**32.0**	ND<0.826	ND<1.38	**2.56**	**2.64**	**17.5**	**8.47**	**2.80**	ND<1.59	**368**	**167**	ND<1.73	**23.9**	**3.14**	**4.12**	**5.52**
DEQ Generic RBCs[3]																							
Vapor Intrustion into Buildings																							
Occupational		1,700,000	NE	1,600	NE	NE	43,800,000	530	390,000	NE	880,000	1,100	7,700	880,000	>Pv	>Pv	2,500	NE	4,900	NE	NE	131,400,00	NE

TABLE 3
Summary of Sub-Slab Vapor Sample Chemical Analytical Results[1]
TPH and VOCs
Custom Stamping Site
Portland, Oregon

Sample Location or I.D.	Sample Date	VOCs[2] by EPA Method TO-15 (µg/m³)																			
		n-Hexane	Isopropylbenzene	Methyl Butyl Ketone	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	MTBE	2-Propanol	Propene	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethylene (PCE)	Tetrahydrofuran	Toluene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,2,4-Trimethylpentane	Vinyl Chloride	Xylenes (Total)
Sub-Slab Vapor Sampling (GeoDesign, April 2016)																						
SV-1	04/06/16	**154**	**92.6**	ND<128	**290**	ND<128	ND<18.0	**106**	**478**	ND<21.3	ND<34.4	**407**	ND<14.7	**56.5**	**118**	ND<27.2	**353**	**880**	**673**	ND<23.4	**17.2**	**330**
SV-2	04/06/16	**1.72**	ND<1.97	ND<10.2	**16.2**	ND<10.2	ND<1.44	**8.46**	**16.8**	ND<1.70	ND<2.75	102	ND<1.18	**4.58**	**6.73**	ND<2.18	**65.4**	**2.04**	ND<1.96	ND<1.87	ND<1.02	ND<5.20
SV-3	04/06/16	**352**	ND<78.7	ND<409	**359**	ND<409	**87.8**	ND<246	**166**	ND<68.1	ND<110	**1,570**	ND<47.2	**2,980**	**292**	**92.2**	**3,260,000**	**658**	**331**	**1,040**	ND<40.9	**4,230**
SV-4	04/06/16	**3.53**	ND<1.97	ND<10.2	**45.3**	ND<10.2	**5.70**	**18.0**	**66.0**	**3.8**	ND<2.75	**166**	ND<1.18	**19.7**	ND<2.18	ND<2.18	**570**	**26.1**	**14.8**	ND<1.87	ND<1.02	**13.6**
SV-5	04/06/16	**2.03**	ND<1.97	**25.2**	**60.8**	**13.2**	ND<1.44	**23.7**	ND<1.38	ND<1.70	ND<2.75	**89.0**	ND<1.18	**10.7**	ND<2.18	ND<2.18	**38.6**	ND<1.96	ND<1.96	ND<1.87	ND<1.02	ND<5.20
SV-6	04/06/16	**27.1**	ND<1.97	ND<10.2	**11.7**	ND<10.2	ND<1.44	**35.3**	**3.17**	ND<1.70	ND<2.75	**15.8**	ND<1.18	**1.74**	ND<2.18	ND<2.18	**8.75**	ND<1.96	ND<1.96	ND<1.87	ND<1.02	ND<5.20
SV-7	04/06/16	ND<1.41	ND<1.97	ND<10.2	**7.60**	ND<10.2	ND<1.44	**118,000**	**3.26**	ND<1.70	ND<2.75	ND<2.72	ND<1.18	**2.73**	ND<2.18	ND<2.18	**25.8**	ND<1.96	ND<1.96	ND<1.87	ND<1.02	ND<5.20
Sub-Slab Vapor Sampling (GeoDesign, May 2016)																						
SV-8	05/23/16	ND<5.64	ND<7.87	ND<40.9	ND<29.5	ND<40.9	**6.97**	ND<24.6	**71.9**	ND<6.81	ND<11.0	ND<10.9	ND<4.72	ND<6.03	**15.9**	ND<8.70	**489**	**26.8**	ND<7.85	ND<7.47	ND<4.09	ND<20.8
SV-9	05/23/16	ND<5.64	ND<7.87	ND<40.9	ND<29.5	ND<40.9	ND>5.77	**146**	**23.0**	ND<6.81	ND<11.0	**136**	**9.66**	**6.18**	**46.7**	**22.7**	**6,560**	ND<7.85	ND<7.85	ND<7.47	ND<4.09	ND<20.8
SV-10	05/23/16	**9.48**	ND<3.93	**29.4**	**126**	ND<20.5	ND<2.88	**4,840**	**17.9**	ND<3.40	ND<5.50	ND<5.43	ND<2.36	**18.5**	ND<4.35	ND<4.35	**45.5**	**11.1**	ND<3.93	ND<3.74	ND<2.04	**11.55**
SV-11	05/23/16	**6.97**	ND<7.87	ND<40.9	**58.2**	**54.1**	ND<5.77	ND<615	ND<5.51	ND<6.81	**17.7**	**287**	ND<4.72	**26.5**	**13.7**	**954**	**8,120**	**13.1**	**17.4**	ND<7.47	ND<4.09	**9.65**
SV-12	05/23/16	ND<17.6	ND<24.6	ND<128	ND<92.0	ND<128	ND<18.0	ND<76.7	**40.8**	ND<21.3	ND<34.4	**76.4**	ND<14.7	ND<18.8	ND<27.2	ND<27.2	**206**	ND<24.5	ND<24.5	ND<23.4	ND<12.8	ND<65.1
SV-13	05/23/16	**4.93**	ND<1.97	**31.3**	**77.5**	ND<10.2	ND<1.44	**38.1**	**28.6**	ND<1.70	ND<2.75	**92.5**	ND<1.18	**4.97**	**377**	**27.0**	**5,330**	**61.8**	**17.5**	ND<1.87	ND<1.02	**9.30**
DEQ Generic RBCs[3]																						
Vapor Intrustion into Buildings																						
Occupational		NE	1.80E+06	NE	NE	NE	47,000	NE	NE	4.40E+06	NE	47,000	NE	2.19E+07	2.19E+07	770	2,900	31,000	>Pv	NE	2,800	440,000

Notes:
1. Chemical analyses performed by ESC Lab Sciences of Mt. Juliet, Tennessee.
2. Only detected VOCs are listed. Refer to the laboratory report for a full listing of all analytes.
3. Generic RBCs for soil gas as presented in DEQ's vapor intrusion guidance and RBC tables dated September 2009; updated November 1, 2015. These values apply to sub-slab vapor data.
ND: not detected at concentrations above the laboratory RDL
>Pv: The air concentration reported for the RBC exceeds the vapor pressure of the pure chemical. It can be assumed that this constituent cannot create an unacceptable risk by this pathway.
Bolding indicates analyte detection.
Shading indicates concentration exceeding DEQ's applicable generic soil gas concentration.

TABLE 4
Summary of Soil Sample Chemical Analytical Results[1]
TPH and VOCs
Custom Stamping Site
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	Sample Depth (feet BGS)	Field Screening Results		Gasoline-Range Organics by Method NWTPH-Gx (mg/kg)	Diesel- and Residual-Range Organics by Method NWTPH-Dx (mg/kg)		VOCs by EPA Method 8260B[2] (mg/kg)																								
			PID (ppm)	Sheen		Diesel	Residual	Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	1,2-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	p-isopropyltoluene	MTBE	Naphthalene	Styrene	n-Propylbenzene	Tetrachloroethene	Toluene	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	Trichloroethene	1,2,4-Trimethylbenzene	1,2,3-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (Total)
Direct-Push Explorations (GeoDesign, April 2016)																															
DP-1(15.5-16.5)	04/14/16	15.5-16.0	0.0	NS	**0.388**	**11.1**	**21.7**	ND<0.0723	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.0723	ND<0.0723	ND<0.00145	ND<0.0723	ND<0.0723	ND<0.0723	ND<0.0723	ND<0.0723	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00434
DP-2(11.5-12.5)	04/14/16	11.5-12.5	0.2	SS	ND<0.139	ND<5.57	**32.9**	ND<0.0697	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.0697	ND<0.0697	ND<0.00139	ND<0.0697	ND<0.0697	ND<0.0697	ND<0.0697	ND<0.0697	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00418
DP-3(11.5-12.5)	04/14/16	11.5-12.5	0.1	NS	ND<0.131	ND<5.25	ND<13.1	ND<0.0656	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.0656	ND<0.0656	ND<0.00131	ND<0.0656	ND<0.0656	ND<0.0656	ND<0.0656	ND<0.0656	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00394
DP-4(11.5-12.5)	04/14/16	11.5-12.5	0.2	NS	ND<0.116	ND<4.63	ND<11.6	ND<0.0579	ND<0.00116	ND<0.00116	ND<0.00116	ND<0.00116	ND<0.00116	ND<0.00116	ND<0.00116	ND<0.00116	ND<0.00116	ND<0.00116	ND<0.00116	ND<0.00116	ND<0.0579	ND<0.0579	ND<0.00116	ND<0.0579	ND<0.0579	ND<0.0579	ND<0.0579	ND<0.0579	ND<0.00116	ND<0.00116	ND<0.00116	ND<0.00347
DP-5(15.5-16.5)	04/14/16	15.5-16.5	0.2	NS	ND<0.121	ND<4.45	ND<11.1	ND<0.0556	ND<0.00111	ND<0.00111	ND<0.00111	ND<0.00111	ND<0.00111	ND<0.00111	ND<0.00111	ND<0.00111	ND<0.00111	ND<0.00111	ND<0.00111	ND<0.00111	ND<0.0556	ND<0.0556	ND<0.00111	ND<0.0556	ND<0.0556	ND<0.0556	ND<0.0556	ND<0.0556	ND<0.00111	ND<0.00111	ND<0.00111	ND<0.00333
DP-6(11.0-12.0)	04/14/16	11.0-12.0	0.5	NS	ND<0.132	ND<5.29	ND<13.2	ND<0.0662	ND<0.00132	ND<0.00132	ND<0.00132	ND<0.00132	ND<0.00132	ND<0.00132	ND<0.00132	ND<0.00132	ND<0.00132	ND<0.00132	ND<0.00132	ND<0.00132	ND<0.0662	ND<0.0662	ND<0.00132	ND<0.0662	ND<0.0662	ND<0.0662	ND<0.0662	ND<0.0662	ND<0.00132	ND<0.00132	ND<0.00132	ND<0.00397
DP-7(10.0-11.0)	04/14/16	10.0-11.0	0.5	NS	ND<0.134	ND<5.36	ND<13.4	ND<0.0670	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.0670	ND<0.0670	ND<0.00134	ND<0.0670	ND<0.0670	ND<0.0670	ND<0.0670	ND<0.0670	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00402
DP-8(5.0-6.0)	04/14/16	5.0-6.0	0.4	NS	ND<0.139	ND<5.57	**29.3**	ND<0.0696	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.0696	ND<0.0696	ND<0.00139	ND<0.0696	ND<0.0696	ND<0.0696	ND<0.0696	ND<0.0696	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00418
DP-9(11.0-12.0)	04/14/16	11.0-12.0	0.5	NS	ND<0.104	ND<4.16	ND<10.4	ND<0.0520	ND<0.00104	ND<0.00104	ND<0.00104	ND<0.00104	ND<0.00104	ND<0.00104	ND<0.00104	ND<0.00104	ND<0.00104	ND<0.00104	ND<0.00104	ND<0.00104	ND<0.0520	ND<0.0520	ND<0.00104	ND<0.0520	ND<0.0520	ND<0.0520	ND<0.0520	ND<0.0520	ND<0.00104	ND<0.00104	ND<0.00104	ND<0.00312
DP-10(12.0-13.0)	04/15/16	12.0-13.0	0.0	NS	ND<0.110	ND<4.42	ND<11.0	ND<0.0552	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.0552	ND<0.0552	ND<0.00110	ND<0.0552	ND<0.0552	ND<0.0552	ND<0.0552	ND<0.0552	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00331
DP-11(11.0-12.0)	04/15/16	11.0-12.0	0.0	NS	ND<0.130	ND<5.20	ND<13.0	ND<0.0657	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.0657	ND<0.0657	ND<0.00131	ND<0.0657	ND<0.0657	ND<0.0657	ND<0.0657	ND<0.0657	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00394
DP-12(1.5-2.5)	04/15/16	1.5-2.5	0.0	NS	ND<0.169	**13.1**	**43.4**	ND<0.0770	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.0770	ND<0.0770	ND<0.00154	ND<0.0770	ND<0.0770	ND<0.0770	ND<0.0770	ND<0.0770	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00462
DP-13(1.0-2.0)	04/15/16	1.0-2.0	0.0	NS	ND<0.171	**22.1**	**57.9**	ND<0.0739	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.0739	ND<0.0739	ND<0.00148	ND<0.0739	ND<0.0739	ND<0.0739	ND<0.0739	ND<0.0739	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00443
DP-14(10.0-11.0)	04/15/16	10.0-11.0	106	HS	**198**	**1,810**	**2,110**	**0.181**	ND<0.00137	ND<0.00137	**0.0868**	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00684	ND<0.00684	ND<0.00137	ND<0.00684	ND<0.00684	ND<0.00684	ND<0.00684	ND<0.00684	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00410
DP-15(15.0-16.0)	04/15/16	15.0-16.0	0.0	NS	ND<2.91	ND<4.65	**52.0**	ND<0.0715	**0.0021**	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.0715	ND<0.0715	ND<0.00143	ND<0.0715	ND<0.0715	ND<0.0715	ND<0.0715	ND<0.0715	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00429
DP-16(8.0-9.0)	04/15/16	8.0-9.0	0.0	NS	ND<0.133	ND<5.31	ND<13.3	ND<0.0664	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.0664	ND<0.0664	ND<0.00133	ND<0.0664	ND<0.0664	ND<0.0664	ND<0.0664	ND<0.0664	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00398
DP-17(7.0-8.0)	04/15/16	7.0-8.0	591	MS	**2,490**	ND<5.37	ND<13.4	ND<26.9	ND<0.537	**14.4**	**5.96**	**1.57**	ND<0.537	ND<0.537	ND<0.537	ND<0.537	**18.4**	**9.46**	**2.49**	ND<0.537	**43.2**	ND<0.537	**44.1**	ND<0.537	ND<0.537	ND<0.537	ND<0.537	ND<0.537	**352**	**85.2**	**111**	**147**
DP-18(8.0-8.5)	04/15/16	8.0-8.5	0.0	NS	ND<0.135	ND<5.41	ND<13.5	ND<0.0676	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.0676	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00406
Direct-Push Explorations (GeoDesign, May 2016)																															
DP-19(4.0-5.0)	05/31/16	4.0-5.0	1450	MS	**18,400**	**2,780**	**4,740**	**49..5**	ND<0.991	**11.9**	**14.0**	ND<0.991	ND<0.991	ND<0.991	ND<0.991	ND<0.991	**4.61**	**8.29**	**15.3**	ND<0.991	**16**	ND<0.991	**17.6**	**2.47**	ND<0.991	ND<0.991	ND<0.991	**196**	**99.3**	**86**	**37.8**	**29**
DP-19(10.0-11.0)	05/31/16	10.0-11.0	3.4	NS	ND<2.90	ND<5.33	ND<13.3	ND<0.0666	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.0666	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00133	**0.00135**	**1.56**	ND<0.00133	ND<0.00133	ND<0.00133	ND<0.00399
DP-20(10.0-11.0)	05/31/16	10.0-11.0	1.7	NS	ND<0.128	ND<5.11	ND<12.8	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00639	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	**0.0415**	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00383
DP-21(10.5-11.5)	05/31/16	10.5-11.5	0.6	NS	ND<0.134	ND<5.36	ND<13.4	ND<0.0670	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.0670	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	**0.00844**	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00402
DP-22(1.0-2.0)	05/31/16	1.0-2.0	0.3	NS	ND<0.128	**9.73 J3**	**101 J6**	ND<0.0638	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	**0.00194**	**0.00299**	**0.00188**	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00128	**0.00407**	ND<0.00128	ND<0.00128	ND<0.00128	ND<0.00383
DP-23(11.0-12.0)	05/31/16	11.0-12.0	0.4	NS	ND<0.133	ND<5.31	ND<13.3	ND<0.0671	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.0671	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00134	**0.00772**	**0.00174**	**0.0183**	ND<0.00134	ND<0.00134	ND<0.00134	ND<0.00402
DP-24(10.0-11.0)	05/31/16	10.0-11.0	0.5	NS	ND<0.137	ND<5.50	ND<13.7	ND<1.39	ND<0.0278	ND<0.0278	ND<0.0278	ND<0.0278	ND<0.0278	ND<0.0278	ND<0.0278	ND<0.0278	ND<0.0278	ND<0.0278	ND<0.0278	ND<0.0278	ND<1.39	ND<0.0278	ND<0.0278	ND<0.0278	ND<0.0278	ND<0.0278	ND<0.0278	**0.0892**	ND<0.0278	ND<0.0278	ND<0.0278	ND<0.0835
DP-25(5.0-6.0)	05/31/16	5.0-6.0	0.5	SS	ND<0.135	ND<5.38	ND<13.5	ND<0.0673	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00135	**0.0028**	ND<0.00135	ND<0.00135	ND<0.00135	ND<0.00404
DP-26(10.0-11.0)	05/31/16	10.0-11.0	60.0	HS	**2,370**	**12,500**	**8,170**	ND<1.39	ND<0.0278	**2.17**	**0.48**	ND<0.0278	**2.37**	ND<0.0278	**0.264**	ND<0.0278	ND<0.0278	**0.412**	**1.54**	ND<0.0278	**54.2**	**0.614**	**1.38**	ND<0.0278	**0.448**	ND<0.0278	ND<0.0278	ND<0.0278	**18.7**	**11.4**	**4.19**	**3.94**
DP-27(10.5-11.5)	05/31/16	10.5-11.5	51.0	HS	**216**	**5,150**	**3,260**	ND<1.42	ND<0.0284	**0.834**	**0.204**	ND<0.0284	**0.565**	ND<0.0284	ND<0.0284	ND<0.0284	**0.044**	**0.109**	**0.347**	ND<0.0284	**17**	ND<0.0284	**0.369**	**0.182**	ND<0.0284	ND<0.0284	ND<0.0284	**0.0305**	**5.11**	**1.47**	**0.728**	**0.333**
Direct-Push Explorations (GeoDesign, July 2016)																															
DP-29(3.5-4.0)	07/20/16	3.5-4.0	3368	MS	--	--	--	ND<13.2	ND<0.265	**6.05**	**8.33**	**0.606**	ND<0.265	ND<0.265	ND<0.265	ND<0.265	**2.15**	**4.61**	**10.2**	ND<0.265	**8.53**	ND<0.265	**8.10**	**1.36**	ND<1.32	ND<0.265	ND<0.265	**393**	**63.6**	**68.1**	**26.1**	**15.2**
DP-29(7.0-7.5)	07/20/16	7.0-7.5	77	SS	--	--	--	ND<6.20	ND<0.124	ND<0.124	ND<0.124	ND<0.124	ND<0.124	ND<0.124	ND<0.124	ND<0.124	ND<0.124	ND<0.124	ND<0.124	ND<0.124	ND<0.620	ND<0.124	ND<0.124	ND<0.124	ND<0.620	ND<0.124	ND<0.124	**6.53**	ND<0.124	ND<0.124	ND<0.124	ND<0.372
DP-30(3.5-4.0)	07/20/16	3.5-4.0	313	MS	--	--	--	ND>15.8	ND<0.316	**0.509**	**1.07**	**0.394**	ND<0.316	ND<0.316	ND<0.316	ND<0.316	ND<0.316	ND<0.316	**1.57**	ND<0.316	ND<1.58	ND<0.316	ND<0.316	**2.41**	ND<1.58	ND<0.316	ND<0.316	**434**	**4.09**	**6.53**	**3.17**	ND<0.948
DP-30(6.0-7.0)	07/20/16	6.0-7.0	14	NS	--	--	--	ND>6.00	ND<0.120	ND<0.120	ND<0.120	ND<0.120	ND<0.120	ND<0.120	ND<0.120	ND<0.120	ND<0.120	ND<0.120	ND<0.120	**0.242**	ND<0.600	ND<0.120	ND<0.120	ND<0.120	ND<0.600	ND<0.120	ND<0.120	**7.95**	ND<0.120	ND<0.120	ND<0.120	ND<0.360
DP-31(4.0-5.0)	07/20/16	4.0-5.0	1135	MS	--	--	--	ND>14.5	ND<0.290	ND<0.290	ND<0.290	ND<0.290	ND<0.290	ND<0.290	ND<0.290	ND<0.290	ND<0.290	ND<0.290	ND<0.290	ND<0.290	ND<1.45	ND<0.290	ND<0.290	ND<0.290	ND<0.290	ND<0.290	ND<0.290	**9.58**	ND<0.290	ND<0.290	ND<0.290	ND<0.869
DP-31(6.5-7.5)	07/20/16	6.5-7.5	8.3	NS	--	--	--	ND>14.2	ND<0.283	ND<0.283	ND<0.283	ND<0.283	ND<0.283	ND<0.283	ND<0.283	ND<0.283	ND<0.283	ND<0.283	ND<0.283	ND<0.283	ND<1.42	ND<0.283	ND<0.283	ND<0.283	ND<1.42	ND<0.283	ND<0.283	**4.93**	ND<0.283	ND<0.283	ND<0.283	ND<0.850
DP-32(6.0-7.0)	07/20/16	6.0-7.0	30.1	NS	--	--	--	ND<2.57	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.0513	**0.112**	ND<0.257	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.257	ND<0.0513	ND<0.0513	**1.77**	ND<0.0513	ND<0.0513	ND<0.0513	ND<0.154
DP-33(3.5-4.0)	07/20/16	3.5-4.0	2335	MS	--	**6,760**	**17,100**	ND<12.6	ND<0.253	**2.51**	**3.44**	ND<0.253	ND<0.253	ND<0.253	ND<0.253	ND<0.253	**0.430**	**1.84**	**3.72**	ND<0.253	**2.72**	ND<0.253	**3.22**	**0.651**	ND<1.26	ND<0.253	ND<0.253	**442**	**15.4**	**13.9**	**6.70**	**2.83**
DP-33(7.0-8.0)	07/20/16	7.0-8.0	16.7	NS	--	--	--	ND>2.82	ND<0.0563	ND<0.0563	ND<0.0563	ND<0.0563	ND<0.0563	ND<0.0563	ND<0.0563	ND<0.0563	ND<0.0563	ND<0.0563	ND<0.0563	**0.111**	ND<0.282	ND<0.0563	ND<0.0563	ND<0.0563	ND<0.282	ND<0.0563	ND<0.0563	**1.91**	ND<0.0563	ND<0.0563	ND<0.0563	ND<0.169
DP-34(6.0-7.0)	07/20/16	6.0-7.0	16.7	NS	--	--	--	ND>1.30	ND<0.0260	ND<0.0260	ND<0.0260	ND<0.0260	ND<0.0260	ND<0.0260	ND<0.0260	ND<0.0260	ND<0.0260	ND<0.0260	ND<0.0260	ND<0.0260	ND<0.130	ND<0.0260	ND<0.0260	ND<0.0260	ND<0.130	ND<0.0260	ND<0.0260	**1.21**	ND<0.0260	ND<0.0260	ND<0.0260	ND<0.0779
DP-35(5.5-6.0)	07/20/16	5.5-6.0	8.1	NS	--	--	--	ND>1.42	ND<0.0284	ND<0.0284	ND<0.0284	ND<0.0284	ND<0.0284	ND<0.0284	ND<0.0284	ND<0.0284	ND<0.0284	ND<0.0284	ND<0.0284	ND<0.0284	ND<0.142	ND<0.0284	ND<0.0284	ND<0.0284	ND<0.142	**0.140**	ND<0.0284	**0.0428**	ND<0.0284	ND<0.0284	ND<0.0284	ND<0.0853
DP-36(5.5-6.0)	07/20/16	5.5-6.0	4.1	NS	--	--	--	ND>1.72	ND<0.0345	ND<0.0345	ND<0.0345	ND<0.0345	ND<0.0345	ND<0.0345	ND<0.0345	ND<0.0345	ND<0.0345	ND<0.0345	ND<0.0345	ND<0.0345	ND<0.172	ND<0.0345	ND<0.0345	ND<0.0345	ND<0.172	**0.109**	ND<0.0345	ND<0.0345	ND<0.0345	ND<0.0345	ND<0.0345	ND<0.103
Test Pit Explorations (PBS, July 2016)																															
TP-1-1	07/26/16	1.0	--	--	--	**21.5**	**68**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TP-3-3	07/26/16	3.0	--	--	--	**71**	**731**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TP-6-1	07/26/16	1.0	--	--	--	**113**	**687**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TP-14-1	07/22/16	1.0	--	--	--	ND<47.9	ND<120	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TP-15-2	07/22/16	2.0	--	--	--	ND<48.7	ND<122	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 4
Summary of Soil Sample Chemical Analytical Results[1]
TPH and VOCs
Custom Stamping Site
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	Sample Depth (feet BGS)	Field Screening Results		Gasoline-Range Organics by Method NWTPH-Gx (mg/kg)	Diesel- and Residual-Range Organics by Method NWTPH-Dx (mg/kg)		VOCs by EPA Method 8260B[2] (mg/kg)																						
			PID (ppm)	Sheen		Diesel	Residual	Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	1,2-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	p-isopropyltoluene	MTBE	Naphthalene	Styrene	n-Propylbenzene	Tetrachloroethene	Toluene	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	Trichloroethene	1,2,4-Trimethylbenzene	1,2,3-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (Total)
DEQ Generic RBCs[3]																														
Ingestion, Dermal Contact, and Inhalation																														
Occupational					20,000	14,000	36,000	NE	37	NE	NE	NE	36,000	260	2,300	23,000	150	57,000	NE	1,100	23	130,000	NE	1,000	88,000	NE	26	51	2,000	NE	12,000	25,000
Construction Worker					9,700	4,600	11,000	NE	380	NE	NE	NE	20,000	3,200	710	7,100	1,700	27,000	NE	12,000	580	56,000	NE	1,800	28,000	NE	54	470	2,000	NE	3,500	20,000
Excavation Worker					>MAX	>MAX	>MAX	NE	11,000	NE	NE	NE	560,000	89,000	20,000	200,000	49,000	750,000	NE	320,000	16,000	>MAX	NE	50,000	770,000	NE	1,500	13,000	54,000	NE	98,000	560,000
Volatilization to Outdoor Air																														
Occupational					69,000	>MAX	>MAX	NE	50	NE	NE	NE	>Csat	240	>MAX	>MAX	160	>Csat	NE	1,500	83	>Csat	NE	>Csat	>Csat	NE	24	96	980	NE	>MAX	>Csat
Vapor Intrusion into Buildings																														
Occupational					>MAX	>MAX	>MAX	NE	2.1	NE	NE	NE	>Csat	5.9	>MAX	>MAX	17	>Csat	NE	110	83	>Csat	NE	36	>Csat	NE	4.2	2.3	210	NE	>Max	>Csat
DEQ CFCLs[4]					NE	NE	NE	59.52	0.0093	NE	NE	NE	70	0.037	1.2	2.5	0.16	85.2	NE	0.092	0.087	300	NE	2.4	200	0.0024	0.0046	0.02	16	1.938	92	25

Notes:
1. Chemical analyses performed by ESC Lab Sciences of Mt. Juliett, Tennessee.
2. Only detected VOCs are shown. Refer to the laboratory reports for a full listing of all analytes.
3. DEQ generic RBCs for Individual Chemicals, Revised November 1, 2015; for reference purposes only
4. DEQ Soil CFCLs dated July 23, 2014
--: not analyzed
>Csat: This RBC exceeds the limit of three-phase equilibrium partitioning. Soil concentrations in excess of this value indicate that free product may be present.
J3: The associated batch QC was outside the established quality control range for precision.
J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low
>MAX: The constituent RBC for this pathway is greater than 100,000 mg/kg. DEQ believes is it highly unlikely that such a concentration will ever be encountered.
ND: not detected at concentrations above the reference laboratory RDL
Bolding indicates analyte detection.
Shading indicates value exceeding one or more DEQ generic RBC values.

TABLE 5
Summary of Soil Sample Chemical Analytical Results[1]
PAHs
Custom Stamping Site
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	Sample Depth (feet BGS)	PAHs by EPA Method 8270D-SIM (mg/kg)																	
			Anthracene	Acenaphthene	Acenaphthylene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Chloronaphthalene
Direct-Push Explorations (GeoDesign, April 2016)																				
DP-1(15.5-16.5)	04/14/16	15.5-16.0	**0.0117**	**0.0201**	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	**0.0217**	ND<0.00868	ND<0.00868	ND<0.0289	**0.0652**	**0.0255**	ND<0.0289	ND<0.0289	ND<0.0289
DP-2(11.5-12.5)	04/14/16	11.5-12.5	ND<0.00836	ND<0.00836	ND<0.00836	**0.0105**	**0.0264**	**0.0317**	**0.0386**	ND<0.00836	**0.0159**	ND<0.00836	**0.0146**	ND<0.00836	**0.0226**	ND<0.0279	**0.00897**	**0.0206**	ND<0.0279	ND<0.0279	ND<0.0279
DP-3(11.5-12.5)	04/14/16	11.5-12.5	ND<0.00787	ND<0.00787	ND<0.00787	ND<0.00787	ND<0.00787	ND<0.00787	ND<0.00787	ND<0.00787	ND<0.00787	ND<0.00787	ND<0.00787	ND<0.00787	ND<0.00787	ND<0.0262	ND<0.00787	ND<0.00787	ND<0.0262	ND<0.0262	ND<0.0262
DP-4(11.5-12.5)	04/14/16	11.5-12.5	ND<0.00695	ND<0.00695	ND<0.00695	ND<0.00695	ND<0.00695	ND<0.00695	ND<0.00695	ND<0.00695	ND<0.00695	ND<0.00695	ND<0.00695	ND<0.00695	ND<0.00695	ND<0.0232	ND<0.00695	ND<0.00695	ND<0.0232	ND<0.0232	ND<0.0232
DP-5(15.5-16.5)	04/14/16	15.5-16.5	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.00667	ND<0.0222	ND<0.00667	ND<0.00667	ND<0.0222	ND<0.0222	ND<0.0222
DP-6(11.0-12.0)	04/14/16	11.0-12.0	ND<0.00794	ND<0.00794	ND<0.00794	ND<0.00794	ND<0.00794	ND<0.00794	ND<0.00794	ND<0.00794	ND<0.00794	ND<0.00794	ND<0.00794	ND<0.00794	ND<0.00794	ND<0.0265	ND<0.00794	ND<0.00794	ND<0.0265	ND<0.0265	ND<0.0265
DP-7(10.0-11.0)	04/14/16	10.0-11.0	ND<0.00803	ND<0.00803	ND<0.00803	ND<0.00803	ND<0.00803	ND<0.00803	ND<0.00803	ND<0.00803	ND<0.00803	ND<0.00803	ND<0.00803	ND<0.00803	ND<0.00803	ND<0.0268	ND<0.00803	ND<0.00803	ND<0.0268	ND<0.0268	ND<0.0268
DP-8(5.0-6.0)	04/14/16	5.0-6.0	ND<0.0167	ND<0.0167	ND<0.0167	ND<0.0167	ND<0.0167	ND<0.0167	ND<0.0167	ND<0.0167	ND<0.0167	ND<0.0167	ND<0.0167	ND<0.0167	ND<0.0167	ND<0.0557	ND<0.0167	ND<0.0167	ND<0.0557	ND<0.0557	ND<0.0557
DP-9(11.0-12.0)	04/14/16	11.0-12.0	ND<0.00625	ND<0.00625	ND<0.00625	ND<0.00625	ND<0.00625	ND<0.00625	ND<0.00625	ND<0.00625	ND<0.00625	ND<0.00625	ND<0.00625	ND<0.00625	ND<0.00625	ND<0.0208	ND<0.00625	ND<0.00625	ND<0.0208	ND<0.0208	ND<0.0208
DP-10(12.0-13.0)	04/15/16	12.0-13.0	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.0221	ND<0.00663	ND<0.00663	ND<0.0221	ND<0.0221	ND<0.0221
DP-11(11.0-12.0)	04/15/16	11.0-12.0	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.0260	ND<0.00780	ND<0.00780	ND<0.0260	ND<0.0260	ND<0.0260
DP-12(1.5-2.5)	04/15/16	1.5-2.5	ND<0.00840	ND<0.00840	ND<0.00840	**0.0452**	**0.0722**	**0.127**	**0.118**	**0.0401**	**0.0673**	**0.0173**	**0.0705**	ND<0.00840	**0.0778**	ND<0.0280	**0.0549**	**0.0928**	ND<0.0280	ND<0.0280	ND<0.0280
DP-13(1.0-2.0)	04/15/16	1.0-2.0	**0.0312**	ND<0.0161	ND<0.0161	**0.141**	**0.413**	**0.418**	**0.696**	**0.106**	**0.206**	**0.0508**	**0.319**	ND<0.0161	**0.395**	**0.101**	**0.252**	**0.492**	**0.169**	**0.156**	ND<0.0537
DP-14(10.0-11.0)	04/15/16	10.0-11.0	**0.267**	**0.451**	**0.100**	**0.198**	**0.205**	**0.206**	**0.110**	**0.106**	**0.296**	ND<0.0820	**0.631**	**0.840**	ND<0.0820	**0.738**	**0.306**	**0.668**	ND<0.273	ND<0.273	ND<0.273
DP-15(15.0-16.0)	04/15/16	15.0-16.0	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.116	ND<0.0349	ND<0.0349	ND<0.116	ND<0.116	ND<0.116
DP-16(8.0-9.0)	04/15/16	8.0-9.0	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.0266	ND<0.00797	ND<0.00797	ND<0.0266	ND<0.0266	ND<0.0266
DP-17(7.0-8.0)	04/15/16	7.0-8.0	**0.0561**	**0.126**	**0.0437**	**0.0095**	ND<0.00806	ND<0.00806	ND<0.00806	ND<0.00806	**0.0131**	ND<0.00806	**0.0268**	**0.130**	ND<0.00806	**33.8**	**0.214**	**0.0702**	**16.2**	**34.4**	ND<0.0269
DP-18(8.0-8.5)	04/15/16	8.0-8.5	ND<0.00812	ND<0.00812	ND<0.00812	ND<0.00812	ND<0.00812	ND<0.00812	ND<0.00812	ND<0.00812	ND<0.00812	ND<0.00812	ND<0.00812	ND<0.00812	ND<0.00812	ND<0.0271	ND<0.00812	ND<0.00812	ND<0.0271	ND<0.0271	ND<0.0271
Direct-Push Explorations (GeoDesign, April 2016)																					
DP-19(4.0-5.0)	05/31/16	4.0-5.0	**0.421**	**0.181**	**0.177**	**0.236**	**0.139**	**0.153**	**0.0799**	**0.0716**	**0.399**	ND<.0386	**0.816**	**0.474**	**0.0488**	**17.9**	**1.85**	**0.748**	**7.99**	**16.2**	ND<0.515
DP-19(10.0-11.0)	05/31/16	10.0-11.0	ND<0.00799	ND<0.00799	ND<0.00799	ND<0.00799	ND<0.00799	ND<0.00799	ND<0.00799	ND<0.00799	ND<0.00799	ND<0.00799	ND<0.00799	ND<0.00799	ND<0.00799	ND<0.0266	ND<0.00799	ND<0.00799	ND<0.0266	ND<0.0266	ND<0.0266
DP-20(10.0-11.0)	05/31/16	10.0-11.0	ND<0.00767	ND<0.00767	ND<0.00767	ND<0.00767	ND<0.00767	ND<0.00767	ND<0.00767	ND<0.00767	ND<0.00767	ND<0.00767	ND<0.00767	ND<0.00767	ND<0.00767	ND<0.0256	ND<0.00767	ND<0.00767	ND<0.0256	ND<0.0256	ND<0.0256
DP-21(10.5-11.5)	05/31/16	10.5-11.5	ND<0.00804	ND<0.00804	ND<0.00804	ND<0.00804	ND<0.00804	ND<0.00804	ND<0.00804	ND<0.00804	ND<0.00804	ND<0.00804	ND<0.00804	ND<0.00804	ND<0.00804	ND<0.0268	ND<0.00804	ND<0.00804	ND<0.0268	ND<0.0268	ND<0.0268
DP-22(1.0-2.0)	05/31/16	1.0-2.0	ND<0.00765	ND<0.00765	ND<0.00765	ND<0.00765	ND<0.00765	ND<0.00765	ND<0.00765	ND<0.00765	ND<0.00765	ND<0.00765	**0.00831**	ND<0.00765	ND<0.00765	ND<0.0255	ND<0.00765	**0.0097**	ND<0.0255	ND<0.0255	ND<0.0255
DP-23(11.0-12.0)	05/31/16	11.0-12.0	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.00797	ND<0.0266	ND<0.00797	ND<0.00797	ND<0.0266	ND<0.0266	ND<0.0266
DP-24(10.0-11.0)	05/31/16	10.0-11.0	ND<0.00825	ND<0.00825	ND<0.00825	ND<0.00825	ND<0.00825	ND<0.00825	ND<0.00825	ND<0.00825	ND<0.00825	ND<0.00825	ND<0.00825	ND<0.00825	ND<0.00825	ND<0.0275	ND<0.00825	ND<0.00825	ND<0.0275	ND<0.0275	ND<0.0275
DP-25(5.0-6.0)	05/31/16	5.0-6.0	ND<0.00807	ND<0.00807	ND<0.00807	ND<0.00807	ND<0.00807	ND<0.00807	ND<0.00807	ND<0.00807	ND<0.00807	ND<0.00807	ND<0.00807	ND<0.00807	ND<0.00807	ND<0.0269	ND<0.00807	ND<0.00807	ND<0.0269	ND<0.0269	ND<0.0269
DP-26(10.0-11.0)	05/31/16	10.0-11.0	**4.97**	**10.1**	**1.42**	**2.89**	**1.06**	ND<0.742	ND<0.742	ND<0.742	**5.4**	ND<0.742	**2.33**	**7.57**	ND<0.742	**37.8**	**18.1**	**8.1**	**115**	**122**	ND<2.47
DP-27(10.5-11.5)	05/31/16	10.5-11.5	**0.923**	**1.17**	**0.16**	**0.32**	**0.13**	ND<0.0812	ND<0.0812	ND<0.0812	**0.633**	ND<0.0812	**0.273**	**0.941**	ND<0.0812	**4.66**	**2.27**	**0.931**	**13.2**	**11**	ND<0.271
Test Pit Explorations (PBS, July 2016)																					
TP-1-1	07/26/16	1.0	ND<0.00951	ND<0.00951	ND<0.00951	**0.0699**	**0.127**	**0.187**	**0.131**	**0.0488**	**0.11**	**0.0179**	**0.137**	ND<0.00951	**0.0974**	**0.0383**	**0.0364**	**0.161**	ND<0.0317	ND<0.0317	ND<0.0317
TP-3-3	07/26/16	3.0	ND<0.174	ND<0.174	ND<0.174	**0.586**	**0.974**	**1.06**	**1.23**	**0.291**	**0.887**	**0.195**	**0.849**	ND<0.174	**0.74**	ND<0.579	**0.381**	**1.03**	ND<0.579	ND<0.579	ND<0.579
TP-6-1	07/26/16	1.0	ND<0.0356	ND<0.0356	ND<0.0356	**0.0628**	**0.101**	**0.124**	**0.126**	ND<0.0356	0.0904	ND<0.0356	**0.152**	ND<0.0356	**0.0829**	ND<0.119	**0.0937**	**0.129**	ND<0.119	ND<0.119	ND<0.119
TP-14-1	07/22/16	1.0	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	**0.151**	**0.0523**	ND<0.0360	**0.241**	**0.267**	ND<0.0360
TP-15-2	07/22/16	2.0	ND<0.00730	ND<0.00730	ND<0.00730	ND<0.00730	**0.0101**	**0.0106**	**0.0107**	ND<0.00730	**0.00894**	ND<0.00730	**0.0158**	ND<0.00730	ND<0.00730	ND<0.00730	**0.00812**	**0.0179**	ND<0.00730	ND<0.00730	ND<0.00730
DEQ Generic RBCs[3]																					
Ingestion, Dermal Contact, and Inhalation																					
Occupational			350,000	70,000	NE	2.9	0.29	2.9	NE	29	290	0.29	30,000	47,000	2.9	23	NE	23,000	NE	NE	NE
Construction Worker			110,000	21,000	NE	24	2.4	24	NE	240	2,400	2.4	10,000	14,000	24	580	NE	7,500	NE	NE	NE
Excavation Worker			>MAX	590,000	NE	660	67	670	NE	6,700	67,000	67	280,000	390,000	670	16,000	NE	210,000	NE	NE	NE

TABLE 5
Summary of Soil Sample Chemical Analytical Results[1]
PAHs
Custom Stamping Site
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	Sample Depth (feet BGS)	PAHs by EPA Method 8270D-SIM (mg/kg)																	
			Anthracene	Acenaphthene	Acenaphthylene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Chloronaphthalene
Volatilization to Outdoor Air -																				
Occupational			>MAX	>MAX	NE	>Csat	NV	NV	NE	NV	NV	NV	NV	>MAX	NV	83	NE	>Csat	NE	NE	NE
Vapor Intrusion into Buildings																				
Occupational			>MAX	>MAX	NE	>Csat	NV	NV	NE	NV	NV	NV	NV	>MAX	NV	83	NE	>Csat	NE	NE	NE
DEQ CFSLs[4]			29	29	NE	0.15	0.015	0.15	NE	1.1	14	0.015	29	29	0.15	0.0087	NE	1,700	0.738	310	NE

Notes:
1. Chemical analyses performed by ESC Lab Sciences of Mt. Juliett, Tennessee.
2. Only detected PAHs are shown. Refer to the laboratory analytical reports for a full listing of all analytes.
3. DEQ generic RBCs for Individual Chemicals, Revised November 1, 2015; for reference purposes only
4. DEQ Soil CFCLs dated July 23, 2014
>Csat: This RBC exceeds the limit of three-phase equilibrium partitioning. Soil concentrations in excess of this value indicate that free product may be present.
>MAX: The constituent RBC for this pathway is greater than 100,000 mg/kg. DEQ believes is it highly unlikely that such a concentration will ever be encountered.
ND: not detected at concentrations above the laboratory RDL
NV: This chemical is considered non-volatile for purposes of the exposure calculations.
Bolding indicates analyte detection.
Shading indicates value exceeding one or more DEQ generic RBC values.

TABLE 6
Summary of Soil Sample Chemical Analytical Results[1]
Total Metals
Custom Stamping Site
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	Sample Depth (feet BGS)	Total Metals by EPA Method 6010B/7471A (mg/kg)							
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Direct-Push Explorations (GeoDesign, April 2016)										
DP-12(1.5-2.5)	04/15/16	1.5-2.5	**11.1**	**700**	**3.8**	**16.2**	**1,780**	**0.108**	ND<2.80	ND<1.40
DP-13(1.0-2.0)	04/15/16	1.0-2.0	**13.3**	**1,580**	**2.48**	**23.7**	**3,550**	**0.378**	ND<2.69	ND<6.72
DP-14(10.0-11.0)	04/15/16	10.0-11.0	**10.8**	**149**	ND<0.684	**14.7**	**49.9**	**0.0601**	ND<2.74	ND<1.37
DP-17(7.0-8.0)	04/15/16	7.0-8.0	**4.91**	**142**	ND<0.671	**12**	**34.7**	ND<0.0268	ND<2.68	ND<1.34
Direct-Push Explorations (GeoDesign, May 2016)										
DP-26(10.0-11.0)	05/31/16	10.0-11.0	**3.12**	**99**	ND<0.619	**8.81**	**7.13**	ND<0.0247	ND<2.47	ND<1.24
Test Pit Explorations (PBS, July 2016)										
TP-1-1	07/26/16	1.0	**9.46**	**1,160**	**1.35**	**28.5**	**3,940**	**0.28**	ND<3.17	ND<1.59
TP-3-3	07/26/16	3.0	**11.3**	**1,500**	**1.37**	**40.5**	**697**	**0.324**	ND<2.89	ND<1.45
TP-6-1	07/26/16	1.0	**12.6**	**446**	**6.22**	**25.9**	**2,240**	**0.08**	ND<2.37	ND<1.19
TP-14-1	07/22/16	1.0	**6.2**	**136**	ND<0.599	**15.6**	**82.9**	0.0990	ND<2.40	ND<1.20
TP-15-2	07/22/16	2.0	**12.9**	**1,200**	**2.00**	**38.9**	**1,660**	**0.330**	ND<2.43	**1.82**
DEQ Generic RBCs[2]										
Ingestion, Dermal Contact, and Inhalation										
Occupational			1.9	220,00	1,100	26	800	350	NE	5,800
Construction Worker			15	69,000	350	410	800	110	NE	1,800
Excavation Worker			420	>MAX	9,700	11,000	800	2,900	NE	49,000
DEQ CFSLs and Background Metals Concentrations for the Portland Basin (mg/kg)			8.8	790	0.63	76	79	0.23	0.71	0.82

Notes:
1. Chemical analysesperformed by ESC Lab Sciences of Mt. Juliet, Tennessee.
2. DEQ generic RBCs for Individual Chemicals, Revised November 1, 2015; for reference purposes only
--: not analyzed
>MAX: The constituent RBC for this pathway is greater than 100,000 mg/kg. DEQ believes is it highly unlikely that such a concentration will ever be encountered.
ND: not detected at concentrations above the laboratory RDL
Bolding indicates analyte detection.
Shading indicates value exceeding one or more DEQ generic RBC values.

TABLE 7
Summary of Soil Sample Analytical Results[1]
PCBs
Custom Stamping Site
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	PCBs by EPA Method 8082 (mg/kg)						
		Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
Direct-Push Explorations (GeoDesign, April 2016)								
DP-12(1.5-2.5)	04/15/16	ND<0.0238	ND<0.0238	ND<0.0238	ND<0.0238	ND<0.0238	ND<0.0238	ND<0.0238
DP-13(1.0-2.0)	04/15/16	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228
DP-14(10.0-11.0)	04/15/16	ND<0.0233	ND<0.0233	ND<0.0233	ND<0.0233	ND<0.0233	ND<0.0233	ND<0.0233
DP-17(7.0-8.0)	04/15/16	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228
Direct-Push Explorations (GeoDesign, May 2016)								
DP-26(10.0-11.0)	05/31/16	ND<0.0210	ND<0.0210	ND<0.0210	ND<0.0210	ND<0.0210	ND<0.0210	ND<0.0210
Test Pit Explorations (PBS, July 2016)								
TP-1-1	07/26/16	ND<0.0204	ND<0.0204	ND<0.0204	ND<0.0204	ND<0.0204	ND<0.0204	ND<0.0204
TP-3-3	07/26/16	ND<0.0207	ND<0.0207	ND<0.0207	ND<0.0207	ND<0.0207	ND<0.0207	ND<0.0207
TP-6-1	07/26/16	ND<0.0202	ND<0.0202	ND<0.0202	ND<0.0202	ND<0.0202	ND<0.0202	ND<0.0202
DEQ Generic RBCs[2]								
Soil Ingestion, Dermal Contact, and Inhalation								
Occupational		0.59						
Construction Worker		5						
Excavation Worker		140						
Volatilization to Outdoor Air								
Occupational		>Csat						
Vapor Intrusion into Buildings								
Occupational		>Csat						
DEQ CFSLs[3]		0.2						

Notes:
1. Chemical analyses performed by ESC Lab Sciences of Mt. Juliet, Tennessee.
2. DEQ generic RBCs for Individual Chemicals, Revised November 1, 2015; for reference purposes only
3. DEQ Soil CFCLs dated July 23, 2014
>Csat: This RBC exceeds the limit of three-phase equilibrium partitioning. Soil concentrations in excess of this value indicate that free product may be present.
ND: not detected at concentrations above the laboratory RDL

TABLE 8
Summary of Groundwater Sample Chemical Analytical Data[1]
TPH and VOCs
Custom Stamping Site
Portland,Oregon

Sample I.D.	Sample Date	Sample Depth (feet BGS)	Gasoline-Range Organics by Method NWTPH-Gx (µg/L)	Diesel- and Residual-Range Organics by Method NWTPH-Dx (µg/L)		VOCs [2] by EPA Method 8260B (µg/L)										
				Diesel	Residual	n-Butylbenzene	sec-Butylbenzene	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,2,3-Trimethylbenzene	1,3,5-Trimethylbenzene
Direct-Push Explorations (GeoDesign, April 2016)																
DP-1	04/14/16	15-25	ND<100	**270**	**336**	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DP-5	04/14/16	15-20	ND<100	ND<100	ND<250	ND<1.00	ND<1.00	**1.44**	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DP-9	04/14/16	13-15	ND<100	ND<100	ND<250	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DP-10	04/15/16	13-20	ND<100	ND<100	ND<250	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DP-13	04/15/16	11-20	ND<100	ND<100	ND<250	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DP-14	04/15/16	12-20	**134**	**834**	**1,050**	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DP-17	04/15/16	13-15	**1,710**	ND<100	ND<250	**2.89**	**1.32**	ND<1.00	**39.6**	**6.83**	**21.9**	**23.0**	ND<1.00	**175**	**46.0**	**51.0**
Trip Blank	--	--	--	--	--	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
Direct-Push Explorations (GeoDesign, May 2016)																
DP-19	05/31/16	13-15	ND<100	ND<100	ND<250	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	**6.38**	ND<1.00	ND<1.00	ND<1.00
DP-25	05/31/16	13-15	ND<100	ND<100	ND<250	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DP-26	05/31/16	13-15	ND<100	ND<100	ND<250	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DEQ Generic RBCs[3]																
Volatilization to Outdoor Air																
Occupational			>S	>S	>S	NE	NE	>S	43,000	>S	16,000	NE	20,000	>S	NE	>S
Vapor Intrusion into Buildings																
Occupational			>S	>S	>S	NE	NE	>S	8,200	>S	11,000	NE	3,700	>S	NE	>S
Groundwater in Excavation																
Construction and Excavation Worker			14,000	>S	>S	NE	NE	18,000	4,500	51,000	500	NE	3,000	1,700	NE	15,000

Notes:
1. Chemical analyses performed by ESC Lab Sciences of Mt. Juliett, Tennessee.
2. Only the detected analytes are shown. Refer to laboratory report for full analyte listing.
3. DEQ generic RBCs for Individual Chemicals, Revised November 1, 2015; ror reference purposes only
ND: not detected at concentrations above the laboratory RDL
>S: This groundwater RBC exceeds the solubility limit (S). Groundwater concentrations in excess of S indicated that free product may be present.
Bolding indicates analyte detection.

TABLE 9
Summary of Groundwater Sample Chemical Analytical Results[1]
Total Metals
Custom Stamping Site
Portland, Oregon

Sample I.D.	Sample Date	Sample Depth (feet BGS)	Total Metals by EPA Method 6010B (µg/L)							
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
April 2016 Explorations (GeoDesign)										
DP-14	04/15/16	12-20	ND<10.0	**789**	**3.85**	**14.1**	**1230**	ND<0.20	ND<10.0	ND<5.00
DP-17	04/15/16	13-15	ND<10.0	**93.5**	ND<2.00	ND<10.0	**5.40**	ND<0.20	ND<10.0	ND<5.00
DEQ Generic RBCs[2]										
Volatilization to Outdoor Air										
Occupational			NV	NV	NV	NV	NV	NV	NE	NV
Vapor Intrusion into Buildings										
Occupational			NV	NV	NV	NV	NV	NV	NE	NV
Groundwater in Excavation										
Construction and Excavation Worker			6,300	>S	130,000	>S	>S	>S	NE	1,100,000

Notes:
1. Chemical analyses performed by ESC Lab Sciences of Mt. Juliet, Tennessee.
2. DEQ generic RBCs for Individual Chemicals dated June 7, 2012; for reference purposes only
>MAX: The constituent RBC for this pathway is greater than 100,000 mg/kg. DEQ believes is it highly unlikely that such a concentration will ever be encountered.
ND: not detected at concentrations above the laboratory RDL
NV: chemical is considered non-volatile
Bolding indicates analyte detection

TABLE 10
Summary of Groundwater Sample Chemical Analytical Results [1]
PAHs
Custom Stamping Site
Portland, Oregon

Sample I.D.	Sample Date	Screen Interval (feet BGS)	PAHs by EPA Method 8270C-SIM (µg/L)																		
			Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(b+k)fluoranthene	Benzo(g,h,i)perylene	2-Chloronaphthalene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Pyrene
Direct-Push Explorations (GeoDesign, May 2016)																					
DP-19	05/31/16	13-15	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.25	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.25	ND<0.25	ND<0.25	ND<0.05	ND<0.05
DP-25	05/31/16	13-15	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.25	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.25	ND<0.25	ND<0.25	ND<0.05	ND<0.05
DP-26	05/31/16	13-15	ND<0.05	ND<0.05	**0.138**	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND<0.25	ND<0.05	ND<0.05	ND<0.05	**0.0779**	ND<0.05	ND<0.25	ND<0.25	**0.765**	**0.119**	ND<0.05
DEQ Generic RBCs[2]																					
Volatization to Outdoor Air																					
Occupational			>S	NE	>S	NV	NV	>S	NV	NE	NE	NE	>S	NV	>S	>S	NV	NE	NE	16,000	NE	>S
Vapor Intrusion into Buildings																					
Occupational			>S	NE	>S	NV	NV	>S	NV	NE	NE	NE	>S	NV	>S	>S	NV	NE	NE	10,000	NE	>S
Groundwater in Excavation																					
Construction and Excavation Worker			>S	NE	>S	9.1	0.53	>S	>S	NE	NE	NE	>S	0.21	>S	>S	>S	NE	NE	500	NE	>S

Notes:
1. Chemical analyses performed by ESC Lab Sciences of Mt. Juliet, Tennessee.
ND: not detected at concentrations above the laboratory RDL
NV: chemical is considered non-volatile
>S: This groundwater RBC exceeds the solubility limit (S). Groundwater concentrations in excess of S indicated that free product may be present.
Bolding indicates analyte detection.

APPENDIX A

GEODESIGN INC

FIRM PROFILE

Employee-owned and founded in 1997, GeoDesign provides geotechnical engineering, environmental, geological, mining, and pavement design consulting services from offices in Portland and Salem, Oregon; Vancouver, Seattle, Longview, and Tacoma, Washington; and Anaheim, California. Our team consists of more than 75 engineers, geologists, engineering geologists, environmental scientists, technical personnel, and administrative staff.

From planning and design through construction, we offer consulting services in support of commercial and residential developments, industrial facilities, property transactions, regulatory compliance, and transportation and water infrastructure systems. GeoDesign works on all phases of project development, including preliminary studies for due diligence, master planning studies, siting of new structures and utility and road alignments, regulatory studies (such as NEPA documents), comprehensive investigations for final geotechnical design, oversight of environmental clean-up activities, and construction observation and testing.

We value our client relationships and are dedicated to offering exemplary service. Our focus on communication and collaboration enables us to develop a targeted approach for our clients' project needs and objectives. In providing recommendations, we clearly present the issues, alternatives, and risks in order to assist our clients in making informed decisions. As a result, much of our business comes from repeat clients and referrals.

GEODESIGN INC

ROBERT E. BELDING, RG, LG

Principal Geologist

Bob Belding is an environmental and geological expert with more than 31 years of experience managing a diverse range of projects throughout the Pacific Northwest. His experience includes Phase I and II ESAs, site characterizations, remedial investigation/feasibility studies, design and implementation of remedial actions, and close coordination with regulatory agencies. In addition, Bob serves as an expert witness and provides senior technical review of peer and other consultants' work.

Key Projects

- South Waterfront Development – Various Projects; Portland, OR
- Proposed LaVelle Landfill Development; Portland, OR
- Dorena Dam Hydroelectric Project; Lane County, OR
- City of Portland Bureau of Environmental Services, Phase II Sewer Rehabilitation Program – Rose City Park; Portland, OR
- USDA Forest Service, On-Call Hazardous Materials Services; OR and WA
- Washington County Facilities Management; On-Call Environmental Services Contract; OR
- 333 High Street NE (Sunset Center Site); Portland, OR
- Sexton Mountain Development (former Cobbs Quarry); Beaverton, OR
- City of Salem, Minto Island Pedestrian/Bicycle Bridge; Salem, OR
- Bridgeport Village Development (former Durham Quarry); Tigard/Tualatin, OR
- Ross Island Sand & Gravel Reclamation; Portland, OR
- Former Koch's Cleaners; Beaverton, OR
- The Civic Redevelopment; Portland, OR
- David Douglas School District, David Douglas High School Pool; Portland, OR
- Confederated Tribes of the Umatilla Indian Reservation, Former Landfill Area; Pendleton, OR
- Washington County, SW Greenburg Road/SW Main Street and Highway 99W Intersection Alignment; Tigard, OR
- Oregon Military Department, Field Maintenance Shop; Salem, OR
- Bellevue Towers; Bellevue, WA
- Bellevue School District, Ardmore Elementary School; Bellevue, WA
- Bellevue School District, Bellevue High School Modernization Project; Bellevue, WA
- Proposed 316 Alaskan Way Development; Seattle, WA
- 412 Broadway Apartments (Barclay Broadway); Seattle, WA
- 1800 West Fourth Plain Boulevard Site; Vancouver, WA
- Proposed Totem Lake Mall Development; Kirkland, WA
- West 11th Street and Grand Avenue Condominiums; Los Angeles, CA
- 616 Esplanade Apartments; Redondo Beach, CA
- Wilshire Center; Los Angeles, CA
- 512 Rose Avenue Mixed-Use Development (former Pioneer Bakery Site); Venice, CA
- The Beach Club; Santa Monica, CA
- 1710 Webster Street Site; Oakland, CA

Credentials/Certifications

BS, Geology, California State University, Humboldt, 1979
Registered Geologist, OR
Licensed Geologist, WA
Oregon Association of Environmental Professionals

GEODESIGN INC

ERIK A. HEDBERG, PE

Senior Project Engineer

Erik Hedberg has over 13 years of water resources and environmental engineering experience. He has managed a diverse range of geo-environmental and water resource projects and has experience in proposal development, technical report preparation, and engineering cost estimating. Erik has served as the project manager or technical lead for hydrogeologic site modeling; stormwater permitting; environmental site assessments; remedial investigations/feasibility studies; long-term groundwater monitoring and mapping; groundwater pumping tests and analyses; soil and groundwater sampling networks; dry well/UIC testing and compliance; UST decommissioning; and the pilot testing, design, and construction of soil and groundwater treatment systems, including sparging, vapor extraction, dual-phase extraction, and bioremediation. He has also served as technical lead for methane and indoor air mitigation, soil-gas investigations, fate and transport modeling, electronic data acquisition, and survey-grade GPS systems.

Key Projects

- Washington County Facilities Management, Environmental Services Contract, OR
- Multnomah County, East County Courthouse; Gresham, OR
- ODOT, Hydrogeological Testing and Environmental Review; Salem, OR
- City of Wilsonville, Hydrogeological Testing and Analysis; Wilsonville, OR
- Pumped Storage Hydroelectric Project; Swan Lake Valley, OR
- USDA Forest Service, Bull Run Tank Removal; Sandy, OR
- City of Portland Bureau of Environmental Services, Taggart D Combined Sewer Basin and Johnston Creek/Holgate Area; Portland, OR
- City of Gresham, Linneman Pump Station Improvements – Hydrogeological Testing and Analysis; Gresham, OR
- Tube Specialties Site; Portland, OR
- Grant Park Village – Phase I (Former Albina Fuel Site); Portland, OR
- Portable Equipment Salvage Company Site (PESC); Clackamas, OR
- Harbor Oil Site, Remedial Investigation; Portland, OR
- Proposed City of Longview Communications Towers; Longview, WA
- WSDOT, Carr Road Pit PS-A-262; Renton, WA
- Columbia Vail Quarry; Thurston County, WA
- Penny Creek Quarry; Jefferson County, WA
- Cowlitz County, Hydrogeological Peer Review of Port of Longview Property; Longview, WA
- Los Angeles Department of Water and Power, Sylmar Basin Monitoring Wells Installation; Sylmar, CA
- Los Angeles Department of Water and Power, San Fernando Groundwater Basin, Van Norman Complex; Los Angeles, CA

Credentials/Affiliations

BS, Environmental Engineering, Oregon State University, 2001
BS, Environmental Science, Oregon State University, 2001
Professional Engineer, OR, WA
HAZWOPER Training and Annual Updates
Licensed UST Soil Matrix Cleanup Supervisor, OR
Licensed Heating Oil Tank Cleanup Supervisor, OR
Licensed Site Assessor for USTs, WA

GEODESIGN INC

KEVIN CLINE

Environmental Staff

Having joined GeoDesign in December 2014, Kevin Cline has more than four years of experience in the environmental consulting field, with experience in assisting with Phase I and II ESAs, UST investigations and decommissioning, stormwater management, risk assessments, and risk-based closures. Kevin has overseen and directed the work of field project subcontractors to comply with EPA and DEQ standards. He has installed, developed, and utilized monitoring wells, injection wells, and soil vapor extraction systems in support of site characterization or contamination remediation projects.

Kevin has collected soil samples, as well as surface and groundwater samples, using a wide variety of sampling methods and equipment. Under the direction of a licensed inspector, he has collected samples of potential asbestos-containing materials and lead-based paint. And, he has collected ambient air, sub slab vapor, and soil gas samples either by air pump or pressurized canister. Kevin has also helped to bring commercial properties into DEQ UIC compliance through document review, line tracing, sampling, and dry well decommissioning. He has ensured SWPCP compliance through routine site visits and sampling during storm events.

Key Projects

- Lloyd District/Lloyd Superblock Development – Phase II; Portland, OR
- The Abigail; Portland, OR
- Proposed Totem Lake Malls; Kirkland, WA
- 110 SW Arthur Street Site; Portland, OR
- The Oregonian Building; Portland, OR
- Duck Delivery Facility; Sumner, WA
- Totem Lake Mall; Tacoma, WA
- Washington County Facilities Management, Bridgeport Village Development (Durham Quarry); Tigard/Tualatin, OR
- Washington County Facilities Management, North Durham Landfill – Phase III; Tigard, OR

Credentials/Certifications

Engineering Coursework (2009 – 2011), Portland Community College
BS, Environmental Science (emphasis in Geology and Watershed Management), Humboldt State University, 2005
ODEQ HOT Supervisor #26892
AHERA Inspector #IN-14-3265B
OSHA Hazardous Materials Training (40-Hour, Refresher)
TWIC Card
Nielson Field School Field Sampling Course (completed 2013)
Common Ground University ASTM's E1527 Phase I ESA Online Course (completed 2012)

APPENDIX B

Proposed SE Porltand Redevelopment Site
1306 SE 9th Ave
Portland, OR 97214

Inquiry Number: 4554862.2s
March 03, 2016

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	1008
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-10
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1306 SE 9TH AVE
PORTLAND, OR 97214

COORDINATES

Latitude (North):	45.5134270 - 45° 30' 48.33''
Longitude (West):	122.6562050 - 122° 39' 22.33''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	526854.0
UTM Y (Meters):	5039828.0
Elevation:	42 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6067252 PORTLAND, OR
Version Date:	2014
South Map:	6067228 LAKE OSWEGO, OR
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20120615
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	CUSTOM STAMPING & MF	1340 SE 9TH	RCRA NonGen / NLR, FINDS, OR HSIS, OR MANIFEST,...	Higher	10, 0.002, SW
B2	TRUCK AND TRAILER SP	1240 SE 9TH AVE	EDR Hist Auto	Lower	11, 0.002, NNW
B3	FORWARDERS TRANSFER	1240 SE 9TH AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	11, 0.002, NNW
4	FRICTION PRODUCTS MF	1001 SE MAIN ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	40, 0.008, NE
A5	POWER REBUILT PRODUC	1315 SE 9TH AVE	EDR Hist Auto	Lower	51, 0.010, West
A6	HEATING OIL TANK	940 SE MADISON ST	OR LUST	Higher	52, 0.010, South
C7	AIR FILTER SALES AND	1138 SE 10TH AVE	RCRA NonGen / NLR, FINDS, ECHO	Lower	71, 0.013, NNE
C8	OREGON BRASS WORKS	1127 SOUTHEAST 10TH	OR ECSI, OR CRL, OR LUST, OR UST, OR ENG CONTROLS,..	Lower	96, 0.018, NNE
B9		900 SE SALMON ST	EDR Hist Auto	Lower	116, 0.022, NNW
D10	STORGILL INSTRUMENT	1427 SE 10TH AVE	EDR Hist Auto	Higher	126, 0.024, SSE
E11	MADISON STREET GARAG	1100 E MADISON	EDR Hist Auto	Higher	139, 0.026, ESE
E12	VERSTEEG FRED M	1110 E MADISON	EDR Hist Auto	Higher	164, 0.031, ESE
E13	LIBERTY LAUNDRY CO	1420 SE 11TH AVE	EDR Hist Cleaner	Higher	173, 0.033, ESE
E14	MOORE, DAVE	1120 SE MADISON ST	OR LUST	Higher	188, 0.036, ESE
B15		833 SE MAIN ST	EDR Hist Cleaner	Higher	203, 0.038, WNW
F16	HEATING OIL TANK	811 SE MAIN ST	OR LUST	Higher	257, 0.049, WNW
D17	WETLE GEO	927 SE HAWTHORNE BLV	EDR Hist Auto	Higher	258, 0.049, South
D18	HAAN SERVICE STATION	919 HAWTHORNE AVE	EDR Hist Auto	Higher	258, 0.049, SSW
D19	LUCKY LABRADOR BREWI	915 SE HAWTHORNE BLV	OR AST, OR HSIS	Higher	259, 0.049, SSW
D20	MCDONALD & WELTE, IN	915 SE HAWTHORNE	OR UST	Higher	259, 0.049, SSW
G21	AVOLIO MOTOR SERVICE	911 SE HAWTHORNE BLV	EDR Hist Auto	Higher	259, 0.049, SSW
D22	BRADSHAWS SERVICE CE	1025 SE HAWTHORNE	RCRA-CESQG, OR LUST, OR UST, FINDS, ECHO	Higher	259, 0.049, SSE
D23	BRADSHAW AUTO SERVIC	1021 SE HAWTHORNE BL	EDR Hist Auto	Higher	259, 0.049, SSE
D24	BRADSHAW AUTO SERVIC	1025 SE HAWTHORNE BL	EDR Hist Auto	Higher	260, 0.049, SSE
D25	HENDRIKSEN H C	1063 HAWTHORNE AVE	EDR Hist Auto	Higher	262, 0.050, SE
F26	PACIFIC PUTTY CO INC	1330 SE 8TH AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	269, 0.051, West
F27	BRISTOL MARINE	1320 SE 8TH AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	269, 0.051, West
G28	NATIONAL LAUNDRY CO	1513 SE 9TH AVE	EDR Hist Cleaner	Higher	293, 0.055, SSW
D29		1001 SE HAWTHORNE BL	EDR Hist Auto	Higher	294, 0.056, SSE
D30	PORTLAND ENGINE REBU	1001 SE HAWTHORNE BL	RCRA-CESQG, FINDS, ECHO	Higher	294, 0.056, SSE
E31	HAWTHORNE CLEANERS A	1105 HAWTHORNE AVE	EDR Hist Cleaner	Higher	297, 0.056, SE
D32		1016 SE HAWTHORNE BL	EDR Hist Auto	Higher	300, 0.057, SSE
H33	RAINBOW CLEANERS	1060 HAWTHORNE AVE	EDR Hist Cleaner	Higher	301, 0.057, SSE
H34	BLACK CHESTER A	1066 HAWTHORNE AVE	EDR Hist Cleaner	Higher	302, 0.057, SSE
I35	CARSON OIL CO INC	1208 SE 8TH AVE	OR LUST, OR UST	Higher	304, 0.058, NW
I36	CARSON OIL CARDLOCK	1208 SE 8TH AVE	EDR Hist Auto	Higher	304, 0.058, NW
I37	CARSON OIL CO INC	1208 SE 8TH AVE	OR ECSI, OR LUST, OR UIC	Higher	304, 0.058, NW
E38	HAWTHORNE MOTOR SERV	1111 HAWTHORNE AVE	EDR Hist Auto	Higher	305, 0.058, SE
I39	PERRY S SUSPENSION S	1204 NE 8TH ST	EDR Hist Auto	Higher	306, 0.058, NW

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
J40	PRECISION ELECTRO CO	1124 SE 11TH AVENUE	RCRA-CESQG, FINDS, OR MANIFEST, ECHO	Higher	314, 0.059, NE
K41	LEYFAX COMPANY	1405 SE 8TH AVE	EDR Hist Auto	Higher	319, 0.060, WSW
L42	HIBBARD AND BARR GAR	1037 SE TAYLOR	EDR Hist Auto	Higher	337, 0.064, NNE
E43	H AND L ASSOCIATED S	1139 SE HAWTHORNE BL	EDR Hist Auto	Higher	348, 0.066, SE
F44	MULTNOMAH PRINTING I	1339 SE 8TH AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	359, 0.068, WSW
G45	NATIONAL LAUNDRY CO	828 SE HAWTHORNE BLV	EDR Hist Cleaner	Higher	367, 0.070, SW
M46	CASCADE COIL DRAPERY	1239 SE 12TH AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	379, 0.072, ENE
J47	HEATING OIL TANK	1135 SE SALMON ST	OR LUST	Higher	381, 0.072, NE
H48	W G WRIGHT & ASSOC I	1525 SE 10TH AVE	RCRA-CESQG, FINDS, ECHO	Higher	389, 0.074, South
J49	UNIQUE PRODUCTS INC	1106 SE TAYLOR ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	415, 0.079, NE
G50	BILLINGS & CRONN COM	1535 SE 9TH AVE	OR LUST, OR UST	Higher	423, 0.080, SSW
N51	HENRY S AUTO AND TRU	1406 SE 12TH AVE	EDR Hist Auto	Higher	430, 0.081, ESE
N52	CREGON LAUNDRY CLEAN	1406 SE 12TH AVE	EDR Hist Cleaner	Higher	430, 0.081, ESE
N53	LAUER ARTH	1172 HAWTHORNE AVE	EDR Hist Auto	Higher	436, 0.083, SE
L54	GLOBE SERVICE STATIO	1002 SE 10TH AVE	EDR Hist Auto	Higher	450, 0.085, North
55	ENVIRONMENTAL BUILDI	819 SE TAYLOR ST	RCRA-CESQG, OR MANIFEST	Higher	455, 0.086, NNW
N56	ROBERTI AND RUZZUTTI	1420 SE 12TH AVE	EDR Hist Auto	Higher	468, 0.089, ESE
N57	TOW LEONARD MOTOR BL	1424 SE 12TH AVE	EDR Hist Auto	Higher	472, 0.089, ESE
J58	REACH COMMUNITY DEVE	1135 SE SALMON ST	RCRA-CESQG, FINDS, ECHO	Higher	474, 0.090, ENE
N59	NORTHWEST STATIONS	1207 SE HAWTHORNE BL	EDR Hist Auto	Higher	482, 0.091, ESE
M60	ODEQ TECHNICAL CENTE	1240 SOUTHEAST 12TH	RCRA-CESQG, FINDS, ECHO	Higher	485, 0.092, ENE
K61	ON TIME CLEANIERS	751 HAWTHORNE AVE	EDR Hist Cleaner	Higher	487, 0.092, SW
K62	COLONIAL SERVICE STA	752 HAWTHORNE	EDR Hist Auto	Higher	506, 0.096, SW
N63	CRAWFORD IRA G	1206 HAWTHORNE AVE	EDR Hist Auto	Higher	508, 0.096, SE
O64	HEATING OIL TANK	1310 SE 7TH AVENUE	OR LUST	Higher	518, 0.098, West
N65	BOTTORF PROPERTY	1212 SE HAWTHORNE BL	OR LUST	Higher	520, 0.098, SE
P66	AUTOMATIC TRANSMISSI	927 SE CLAY	EDR Hist Auto	Higher	528, 0.100, South
P67	TRI-MET PARATRANSIT	925 SE CLAY ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	528, 0.100, South
Q68	TWO ZELLS INC DBA CA	1200 SE 7TH AVE	RCRA NonGen / NLR, FINDS, NY MANIFEST, ECHO	Higher	533, 0.101, WNW
N69	HANKES ALEX	1218 SE HAWTHORNE BL	EDR Hist Auto	Higher	533, 0.101, ESE
N70	SPACE AGE FUELS	1237 SE HAWTHORNE BL	OR LUST, OR UST, RCRA NonGen / NLR, FINDS, ECHO	Higher	533, 0.101, ESE
N71	PARKER ROBT A	1237 SE HAWTHORNE BL	EDR Hist Auto	Higher	533, 0.101, ESE
K72	COLOUR SCAN	727 SE HAWTHORNE BLV	RCRA NonGen / NLR, FINDS, ECHO	Higher	538, 0.102, SW
R73	SEVENTH AVENUE SERVI	732 SE HAWTHORNE BLV	EDR Hist Auto	Higher	546, 0.103, SW
R74	MURRAYMEAD GARAGE	717 HAWTHORNE AVE	EDR Hist Auto	Higher	558, 0.106, SW
S75	SPEEDWAY LUBRICATORS	1131 SE CLAY	EDR Hist Auto	Higher	562, 0.106, SE
P76	TWIN PINES SERVICE S	936 SE CLAY	EDR Hist Auto	Higher	567, 0.107, South
P77	TWIN PINES GARAGE	924 SE CLAY	EDR Hist Auto	Higher	567, 0.107, South
R78		711 SE HAWTHORNE BLV	EDR Hist Auto	Higher	572, 0.108, SW

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
R79	OREGON PARTS CO INC	711 SE HAWTHORNE BLV	RCRA NonGen / NLR, FINDS, ECHO	Higher	572, 0.108, SW
S80	DURANT AND DE VAUX S	1114 SE CLAY	EDR Hist Auto	Higher	585, 0.111, SSE
R81	OECO CORP. - PORTLAN	712 SE HAWTHORNE BLV	OR ECSI, OR VCP	Higher	586, 0.111, SW
R82	OECO CORP	712 SE HAWTHORNE BLD	CERCLIS-NFRAP, RCRA NonGen / NLR	Higher	586, 0.111, SW
P83		1614 SE 10TH AVE	EDR Hist Auto	Higher	588, 0.111, South
Q84	GYRO NIZING SERVICE	1134 SE 7TH AVE	EDR Hist Auto	Higher	600, 0.114, NW
R85	HEATING OIL TANK	700 SE HAWTHORNE BLV	OR LUST	Higher	611, 0.116, SW
R86	CARNEAU BROS	700 SE HAWTHORNE BLV	EDR Hist Auto	Higher	611, 0.116, SW
O87	BROADWAY ELECTRIC IN	626 SE MAIN	OR LUST, OR UST	Higher	616, 0.117, West
R88	HAWTHORNE SERVICE ST	696 HAWTHORNE AVE	EDR Hist Auto	Higher	630, 0.119, SW
T89	HEATING OIL TANK	1315 SE 13TH AVE UNI	OR LUST	Higher	631, 0.120, East
U90	TRASHCO	1630 SE 8TH AVE	RCRA NonGen / NLR	Higher	636, 0.120, SSW
S91	ROYAL INTERNATIONAL	1632 SE 11TH AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	644, 0.122, SSE
S92	HEATING OIL TANK	1632 SE 11TH	OR LUST	Higher	644, 0.122, SSE
S93	ROYAL INTERNATIONAL	1632 SE 11TH AVE	RCRA NonGen / NLR	Higher	644, 0.122, SSE
R94	OECO CORP - FORMER S	1530 SE 7TH ST	OR UST	Higher	646, 0.122, SW
R95	GELHAR S BODY SHOP	1517 SE 7TH AVE	EDR Hist Auto	Higher	648, 0.123, SW
V96	LADD'S GAS & FOOD	1525 SE LADD AVE	OR LUST, OR UST	Higher	650, 0.123, SE
V97	SPEEDWAY LUBRICATORS	1525 SE LADD AVE	EDR Hist Auto	Higher	650, 0.123, SE
R98		1521 SE 7TH AVE	EDR Hist Auto	Higher	653, 0.124, SW
W99	REJUVENATION INC	1100 SE GRAND AVE	RCRA-CESQG, FINDS, OR MANIFEST, ECHO	Higher	654, 0.124, NW
V100	SWEET HOME DIVISION	1524 SE LADD AVE	OR LUST, OR UST	Higher	658, 0.125, SE
S101	MOMAN G FENTON	1205 SE CLAY	EDR Hist Auto	Higher	661, 0.125, SE
N102	M B I MOTORS	1309 SE HAWTHORNE	RCRA-CESQG, FINDS, OR MANIFEST, ECHO	Higher	661, 0.125, ESE
N103	M B MOTORS INC	1309 SE HAWTHORNE BL	EDR Hist Auto	Higher	661, 0.125, ESE
N104	HEATING OIL TANK	1309 SE HAWTHORNE	OR LUST	Higher	661, 0.125, ESE
T105	HEATING OIL TANK	1304 SE MADISON STRE	OR LUST	Higher	668, 0.127, ESE
T106	HEATING OIL TANK	1304 SE MAIN ST	OR LUST	Higher	669, 0.127, East
T107	HEATING OIL TANK	1306 SE MAIN ST	OR LUST	Higher	674, 0.128, East
U108	SIVERS INVESTMENT PR	1630 SE 8TH AVE	OR LUST, OR SPILLS	Higher	684, 0.130, SSW
V109	HENRIKSEN HARRY C	1290 HAWTHORNE AVE	EDR Hist Auto	Higher	693, 0.131, ESE
S110	ARARAT CLEANERS DYOV	1206 SE CLAY ST	EDR Hist Cleaner	Higher	694, 0.131, SE
S111	ARARAT CLEANERS AND	1206 SE CLAY	EDR Hist Cleaner	Higher	694, 0.131, SE
S112	SHELDON S BRAKE SERV	1206 SE CLAY	EDR Hist Auto	Higher	694, 0.131, SE
X113	PIERCE L H AUTO SERV	938 SE 9TH AVE	EDR Hist Auto	Lower	712, 0.135, North
114	HEATING OIL TANK	1306 SE SALMON ST	OR LUST	Higher	723, 0.137, ENE
R115	BOYD EUG E	651 HAWTHORNE AVE	EDR Hist Cleaner	Higher	723, 0.137, WSW
X116	DEWART AND LIVESLEY	930 SE 9TH AVENUE	OR LUST	Lower	732, 0.139, North
Y117	HEATING OIL TANK	1007 SE 12TH AVE	OR LUST	Higher	736, 0.139, NE

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
V118	LADD INN TAVERN	1204 SE CLAY ST	OR LUST	Higher	743, 0.141, SE
Z119	AUTOMATIC TRANSMISSI	622 SE MADISON	EDR Hist Auto	Higher	748, 0.142, WSW
Q120	LEININGER POLISHING	625 SE SALMON ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	755, 0.143, WNW
Q121		625 SE SALMON ST	EDR Hist Auto	Higher	755, 0.143, WNW
W122	HEATING OIL TANK	1020 SE 7TH	OR LUST	Higher	755, 0.143, NW
Z123	BILLINGSLEY L Y MOTO	635 SE HAWTHORNE BLV	EDR Hist Auto	Higher	762, 0.144, WSW
Z124	FORD CLAUDE J	617 SE MADISON	EDR Hist Auto	Higher	762, 0.144, West
U125	R G WILKS COMMERCIAL	700 SE CLAY	RCRA NonGen / NLR, FINDS, ECHO	Higher	762, 0.144, SW
V126	HEATING OIL TANK	1540 SE LADD AVE	OR LUST	Higher	767, 0.145, SE
AA127	HAWTHORNE SERVICE GA	1312 SE HAWTHORNE BL	EDR Hist Auto	Higher	772, 0.146, ESE
AB128	HEATING OIL TANK	700 SE CLAY ST	OR LUST	Higher	773, 0.146, SW
Z129	MIDWAY GARAGE	629 HAWTHORNE AVE	EDR Hist Auto	Higher	777, 0.147, WSW
AC130	SANDERS FRANK	931 SE 8TH AVE	EDR Hist Auto	Higher	777, 0.147, NNW
AD131	BILLINGSLEY PONTIAC	632 SE HAWTHORNE BLV	EDR Hist Auto	Higher	781, 0.148, WSW
AE132	MCGUIRE BEARING COMP	947 SE MARKET ST	OR UST, OR HSIS	Higher	786, 0.149, South
X133	COMELLA S TRUCK N AU	936 SE BELMONT	EDR Hist Auto	Higher	791, 0.150, North
X134	STANTON CO AUTO C BR	936 SE BELMONT ST	EDR Hist Auto	Higher	791, 0.150, North
Z135	MADISON STREET GARAG	1338 SE 6TH AVE	EDR Hist Auto	Higher	791, 0.150, West
AF136	GARDNER & RANCHERS P	1004-1036 SE BELMONT	OR LUST	Higher	793, 0.150, North
AF137	GARDNER AND RANCHERS	1004 SE BELMONT ST.	OR ECSI, OR VCP	Higher	793, 0.150, North
AF138	PANTORIUM DYE WKS	1008 BELMONT	EDR Hist Cleaner	Higher	794, 0.150, North
AC139	HEATING OIL TANK	731 SE YAMHILL ST	OR LUST	Higher	794, 0.150, NNW
AF140	PANTORIUM DYE WORKS	1010 BELMONT	EDR Hist Cleaner	Higher	794, 0.150, North
AD141	FRED S BODY SHOP	626 SE HAWTHORNE BLV	EDR Hist Auto	Higher	795, 0.151, WSW
X142	MILLER S LAUNDERETTE	904 SE BELMONT	EDR Hist Cleaner	Lower	797, 0.151, North
X143	WEBERS GARAGE	900 BELMONT	EDR Hist Auto	Lower	798, 0.151, North
AF144	BURNHAM ORIE C	1034 BELMONT	EDR Hist Auto	Higher	802, 0.152, NNE
Z145	HEATING OIL TANK	601 SE MADISON	OR LUST	Higher	804, 0.152, West
AG146	HEATING OIL TANK	602 SE SALMON ST	OR LUST	Higher	805, 0.152, WNW
Z147	PACIFIC LAUNDRY MACH	615 SE HAWTHORNE BLV	EDR Hist Cleaner	Higher	811, 0.154, WSW
AE148	PACIFIC TOWN AND CAR	1750 SE 9TH AVE	OR LUST	Higher	816, 0.155, South
AE149	ENGINE & PERFORMANCE	1020 SE MARKET ST	RCRA-CESQG, FINDS, ECHO	Higher	823, 0.156, South
AH150	ARARAT CLEANERS AND	1639 SE 12TH AVE	EDR Hist Cleaner	Higher	827, 0.157, SE
V151	HEATING OIL TANK	1549 SE LADD AVENUE	OR LUST	Higher	830, 0.157, SE
Z152	BILLINGS BODY WORKS	1303 SE 6TH AVE	EDR Hist Auto	Higher	830, 0.157, West
AF153	SUNNYSIDE LAUNDRY	997 BELMONT	EDR Hist Cleaner	Higher	832, 0.158, North
X154	BELMONT CLEANERS	923 BELMONT	EDR Hist Cleaner	Higher	832, 0.158, North
X155	HARRIS AND KARR	915 SE BELMONT	EDR Hist Auto	Higher	834, 0.158, North
Z156	DAVIS MARION F	1426 SE 6TH AVE	EDR Hist Auto	Higher	836, 0.158, WSW

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Y157		909 SE 12TH AVE	EDR Hist Auto	Higher	842, 0.159, NNE
AF158	JOY THE TAILOR	1043 BELMONT	EDR Hist Cleaner	Higher	844, 0.160, NNE
Z159	RTC	601 SE HAWTHORNE	OR LUST	Higher	846, 0.160, WSW
AF160	CHRIS S SERVICE STAT	1051 BELMONT	EDR Hist Auto	Higher	847, 0.160, NNE
AG161	OR FLOWER GROWERS AS	1106 SE 6TH AVE	OR LUST, OR UST	Higher	847, 0.160, WNW
X162	KULLBERG PROPERTIES	826 SE BELMONT	OR UST	Lower	850, 0.161, NNW
AC163	SUNNYSIDE JOY WELL S	816 BELMONT	EDR Hist Auto	Lower	859, 0.163, NNW
AC164	HONEYWELL PROTECTION	810 SE BELMONT ST	OR UST	Lower	866, 0.164, NNW
AC165	BRIGHT DAY COMMERCIA	810 SE BELMONT ST	OR ECSI, OR VCP	Lower	866, 0.164, NNW
AC166	GRAND CENTRAL STATIO	808 BELMONT ST	EDR Hist Auto	Lower	868, 0.164, NNW
Y167	SIMMONS JERRY AUTO B	945 SE 12TH AVE	EDR Hist Auto	Higher	872, 0.165, NNE
Y168	TVG INC	945 SE 12TH AVE	RCRA-CESQG, FINDS, ECHO	Higher	872, 0.165, NNE
X169	GRAND CENTRAL CLEANE	839 SE BELMONT	EDR Hist Cleaner	Lower	878, 0.166, NNW
X170	JOHNNIES S SUPER SER	835 BELMONT	EDR Hist Auto	Lower	881, 0.167, NNW
Y171		935 SE 12TH AVE	EDR Hist Auto	Higher	892, 0.169, NNE
AC172	SCHILLE MEDFORD V	940 SE 7TH AVE	EDR Hist Auto	Higher	901, 0.171, NNW
AB173	DEPENDABLE PATTERN W	737 SE MARKET ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	904, 0.171, SSW
Z174	WINTERS AND OWENS IN	561 HAWTHORNE AVE	EDR Hist Auto	Higher	906, 0.172, WSW
AE175	SITEPAINTERS	1711 SE 10TH AVE	RCRA-CESQG	Higher	911, 0.173, South
AI176	HEATING OIL TANK	1105 SE 6TH	OR LUST	Higher	915, 0.173, WNW
AJ177	VAUGHAN BESSIE L MRS	1137 BELMONT	EDR Hist Cleaner	Higher	917, 0.174, NNE
AD178	WETLE GEO	545 HAWTHORNE AVE	EDR Hist Auto	Higher	924, 0.175, WSW
AK179	HEATING OIL TANK	1404 SE MADISON STRE	OR LUST	Higher	924, 0.175, East
AA180	JOY THE TAILOR	1387 HAWTHORNE AVE	EDR Hist Cleaner	Higher	926, 0.175, ESE
AC181	HEATING OIL TANK	928-940 SE 7TH	OR LUST	Higher	933, 0.177, NNW
AL182	LARSONS AUTOMOTIVE	1727 SE 11TH	OR SPILLS, OR HAZMAT, RCRA NonGen / NLR, FINDS,...	Higher	936, 0.177, SSE
AD183	MC DONALD DANL J	535 HAWTHORNE AVE	EDR Hist Auto	Higher	937, 0.177, WSW
AA184	HEATING OIL TANK	1513 SE MAPLE	OR LUST	Higher	940, 0.178, ESE
AM185	PERRIN PROPERTY	931 SE 7TH AVE	OR LUST	Higher	942, 0.178, NNW
AL186		1731 SE 11TH AVE	EDR Hist Auto	Higher	944, 0.179, SSE
AC187	EAST SIDE BODY AND F	924 SE 7TH AVE	EDR Hist Auto	Higher	944, 0.179, NNW
AA188	ZIMMERMAN C M	1390 HAWTHORNE AVE	EDR Hist Auto	Higher	948, 0.180, ESE
AH189	NEW LIFE CLEANERS	1711 SE 12TH AVE	EDR Hist Cleaner	Higher	954, 0.181, SSE
AD190	DORSEY MOTOR AND BRA	601 SE CLAY	EDR Hist Auto	Higher	958, 0.181, SW
AE191	FREE GEEK	1731 SE 10TH AVENUE	WA SWRCY	Higher	960, 0.182, South
AD192	FRANCIS MOTOR CAR CO	509 SE HAWTHORNE BLV	EDR Hist Auto	Higher	967, 0.183, WSW
AD193	SERVE U-GARAGE	558 HAWTHORNE AVE	EDR Hist Auto	Higher	968, 0.183, WSW
AM194	HEATING OIL TANK	630 SE YAMHILL STREE	OR LUST	Higher	975, 0.185, NW
AI195	HOME SERVICE CO	1025 SE 6TH AVE	EDR Hist Auto	Higher	977, 0.185, NW

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
AM196	AIR PRODUCTS AND CHE	915 SE 7TH AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	977, 0.185, NNW
AJ197	OLDE GAS HOUSE THE	1206 SE BELMONT ST	EDR Hist Auto	Higher	978, 0.185, NNE
AJ198	NU WAY AUTO LAUNDRY	1206 SE BELMONT	EDR Hist Auto	Higher	978, 0.185, NNE
AA199	KIRBY CLEANERS	1413 SE HAWTHORNE BL	EDR Hist Cleaner	Higher	981, 0.186, ESE
AN200	HEATING OIL TANK	1620 SE LADD AVE	OR LUST	Higher	993, 0.188, SE
AD201	REEDY H S	487 HAWTHORNE AVE	EDR Hist Cleaner	Higher	994, 0.188, WSW
AC202	AMERICAN GARAGE	712 SE BELMONT	EDR Hist Auto	Higher	995, 0.188, NNW
AO203	SAW REPAIR AND SUPPL	1713 SE 17TH AVENUE	OR UST	Higher	995, 0.188, SSW
AP204	HEATING OIL TANK	1413 SE SALMON	OR LUST	Higher	995, 0.188, ENE
AC205	JUSTIN S SIGNAL STAT	733 SE BELMONT ST	EDR Hist Auto	Higher	999, 0.189, NNW
AC206	JUSTEN SIGNAL SERVIC	733 SE BELMONT	EDR Hist Auto	Higher	999, 0.189, NNW
AH207	COLUMBIA TRANSMISSIO	1737 SE 12TH AVE	EDR Hist Auto	Higher	1004, 0.190, SSE
AH208	HEATING OIL TANK	1737 SE 12TH AVE	OR LUST	Higher	1004, 0.190, SSE
AJ209	HEATING OIL TANK	1224 SE BELMONT	OR LUST	Higher	1005, 0.190, NNE
AQ210	PRECISION AUTOMOTIVE	524 SE MAIN ST	EDR Hist Auto	Higher	1007, 0.191, West
AR211	HEATING OIL TANK	1318 SE YAMHILL ST	OR LUST	Higher	1011, 0.191, NE
AS212	AMAZON MOTORS	1611 SE 6TH AVE	EDR Hist Auto	Higher	1011, 0.191, SW
AT213	TRIANGLE SERVICE AND	1420 SE HAWTHORNE BL	EDR Hist Auto	Higher	1012, 0.192, ESE
AM214	KING T G AUTO SERVIC	700 SE BELMONT	EDR Hist Auto	Higher	1012, 0.192, NNW
AT215	JERRY HERING	1426 SE HAWTHORNE BO	OR LUST	Higher	1014, 0.192, ESE
AS216	TILLER ENTERPRISES	1613 SE 6TH AVE	EDR Hist Auto	Higher	1014, 0.192, SW
AS217	LA TOSH WIPING RAG L	1613 SE 6TH AVE	EDR Hist Cleaner	Higher	1014, 0.192, SW
AT218	HEATING OIL TANK	1529 SE MAPLE AVENUE	OR LUST	Higher	1020, 0.193, ESE
AQ219	KNEZ BUILDING MATERI	519 SE MAIN ST	WA SWRCY	Higher	1020, 0.193, West
AF220	P M X INC	813 SE 10TH AVE	EDR Hist Auto	Higher	1024, 0.194, North
AG221	OLIVER & THOMPSON IN	1136 SE GRAND AVE	OR UST	Higher	1027, 0.195, WNW
AU222	STANDARD SUPPLY COMP	934 SE 6TH AVE	OR UST	Higher	1028, 0.195, NW
AS223	INDUSTRIAL GASKET IN	1623 SE 6TH AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	1028, 0.195, SW
AQ224	WILLAMETTE WHEEL	515 SE MAIN	EDR Hist Auto	Higher	1030, 0.195, West
AN225	HEATING OIL TANK	1638 SE LADD AVE	OR LUST	Higher	1033, 0.196, SE
AK226	HEATING OIL TANK	1435 SE HAWTHORNE BL	OR LUST, OR UIC	Higher	1034, 0.196, ESE
AM227	HALL BERT SERVICE ST	701 BELMONT	EDR Hist Auto	Higher	1044, 0.198, NNW
AN228	HEATING OIL TANK	1644 SE LADD AVE	OR LUST	Higher	1046, 0.198, SE
AP229	HEATING OIL TANK	1435 SE SALMON ST.	OR LUST	Higher	1048, 0.198, ENE
AV230	PEPPER BOX CAFE	932-940 SE MORRISON	OR LUST	Higher	1050, 0.199, North
AV231		926 SE MORRISON ST	EDR Hist Auto	Higher	1050, 0.199, North
AW232	CONTROL CONTRACTORS	1235 SE BELMONT	OR UST	Higher	1052, 0.199, NNE
AM233	BELMONT SERVICE STAT	695 BELMONT	EDR Hist Auto	Higher	1054, 0.200, NNW
AQ234	RED S AUBURN CORD SE	1238 SE GRAND AVE	EDR Hist Auto	Higher	1056, 0.200, WNW

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
AX235	MULTNOMAH COUNTY	1040 SE MORRISON ST	OR LUST, OR UST	Higher	1060, 0.201, North
AW236	GREINER S GARAGE	1258 BELMONT	EDR Hist Auto	Higher	1060, 0.201, NE
AW237	LAURELHURST CLEANERS	1260 BELMONT	EDR Hist Cleaner	Higher	1063, 0.201, NE
AV238	YALE UNION LAUNDRY	800 SE 10TH AVE	EDR Hist Cleaner	Higher	1064, 0.202, North
AW239	LARRY S GARAGE	1251 BELMONT	EDR Hist Auto	Higher	1077, 0.204, NE
AT240	HEATING OIL TANK	1541 SE MAPLE AVE	OR LUST	Higher	1083, 0.205, ESE
AP241	HEATING OIL TANK	1414 SE TAYLOR	OR LUST	Higher	1088, 0.206, ENE
AR242	HEATING OIL TANK	923 SE 13TH AVE	OR LUST	Higher	1089, 0.206, NE
AV243	MAR-LAC DISTRIBUTORS	1001 SE MORRISON ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1092, 0.207, North
AV244	WHITE S AL ALIGNMENT	1001 SE MORRISON	EDR Hist Auto	Higher	1092, 0.207, North
AY245	DAVIS MARION AUTO SE	1411 SE GRAND AVE	EDR Hist Auto	Higher	1094, 0.207, West
AQ246	LOW S AUTOMOTIVE SER	1325 SE GRAND AVE	EDR Hist Auto	Higher	1094, 0.207, West
AO247	SURBURBIA STUDIOS	632 SE MARKET ST	OR LUST, OR UST	Higher	1095, 0.207, SW
AI248		521 SE TAYLOR ST	EDR Hist Auto	Higher	1098, 0.208, WNW
AR249	HEATING OIL TANK	1035 SE 14 AVE	OR LUST	Higher	1099, 0.208, ENE
AZ250	MR FORMAL INC	1205 SE GRAND AVE	RCRA-CESQG, OR ECSI, OR VCP, OR MANIFEST	Higher	1102, 0.209, WNW
AJ251	BERNSTEIN BROTHERS,	1120 SE MORRISON ST	OR LUST, OR UST	Higher	1105, 0.209, NNE
BA252	HEATING OIL TANK	1415 SE TAYLOR ST	OR LUST	Higher	1109, 0.210, ENE
AV253	NAPA AUTO PARTS	730 SOUTHEAST 9TH	RCRA NonGen / NLR, FINDS, ECHO	Higher	1114, 0.211, North
AR254	ODEQ SE 13TH DRUG SI	924 SE 13TH	RCRA NonGen / NLR, FINDS, ECHO	Higher	1115, 0.211, NE
AI255	DILORETO ARCHITECTS	1108 SE GRAND AVE ST	RCRA NonGen / NLR, FINDS, ECHO	Higher	1118, 0.212, WNW
AS256	ARROW AUTOMOTIVE SER	536 SE CLAY	EDR Hist Auto	Higher	1127, 0.213, WSW
AM257	DUPRE AUTOMOTIVE SER	825 SE 7TH AVE	EDR Hist Auto	Higher	1129, 0.214, NNW
BB258		1810 SE 10TH AVE	EDR Hist Auto	Higher	1131, 0.214, South
BB259	MERCHANTS MOTORCYCLE	1810 SE 10TH	OR LUST, OR UST, OR HSIS	Higher	1131, 0.214, South
AP260	HEATING OIL TANK	1436 SE TAYLOR ST	OR LUST	Higher	1135, 0.215, ENE
AX261	HEATING OIL TANK	1117 SE MORRISON ST	OR LUST, OR UIC	Higher	1140, 0.216, NNE
AM262	ORIENTAL GARAGE	628 SE BELMONT	EDR Hist Auto	Higher	1144, 0.217, NW
AK263	HEATING OIL TANK	1337 SE 15TH AVENUE	OR LUST	Higher	1148, 0.217, East
AW264	ROBINSON GUST L	804 SE 12TH AVE	EDR Hist Auto	Higher	1152, 0.218, NNE
AX265	FRED AND LLOYD S AUT	1135 SE MORRISON	EDR Hist Auto	Higher	1154, 0.219, NNE
AX266	FRED LLOYD S AUTO SE	1135 SE MORRISON ST	EDR Hist Auto	Higher	1154, 0.219, NNE
AK267	HEATING OIL TANK	1413 SE 15TH AVE	OR LUST	Higher	1154, 0.219, ESE
BA268	HEATING OIL TANK	1014 SE 14TH AVE	OR LUST	Higher	1155, 0.219, ENE
AW269	HEATING OIL TANK	900 SE 13TH AVE	OR LUST	Higher	1157, 0.219, NE
AM270	POWELL LEE G	633 SE BELMONT	EDR Hist Auto	Higher	1164, 0.220, NW
BC271	LONG AND GROSHENS	823 SE 8TH	EDR Hist Auto	Lower	1165, 0.221, NNW
BC272	LONG AND GROSHENS	823 SE 8TH AVE	EDR Hist Auto	Lower	1165, 0.221, NNW
AM273	SANDERS MAGNETO SERV	616 SE BELMONT	EDR Hist Auto	Higher	1167, 0.221, NW

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
BC274	LONG AND GROSHENS	821 SE 8TH AVE	EDR Hist Auto	Lower	1168, 0.221, NNW
BC275	SNOWFLAKE LAUNDRY	821 SE 8TH AVE	EDR Hist Cleaner	Lower	1168, 0.221, NNW
BC276	LONG AND GROSHENS	821 SE 8TH	EDR Hist Auto	Lower	1168, 0.221, NNW
BD277		1750 SE MULBERRY AVE	EDR Hist Auto	Higher	1169, 0.221, SE
BE278	HEATING OIL TANK	1556 SE MAPLE AVE	OR LUST	Higher	1184, 0.224, ESE
BC279	POWELL DISTRIBUTING	734 SE MORRISON	OR LUST, OR UST	Higher	1185, 0.224, NNW
BF280	NU WAY LAUNDRY CO	468 HAWTHORNE AVE	EDR Hist Cleaner	Higher	1185, 0.224, WSW
AW281	HEATING OIL TANK	1200 SE MORRISON ST	OR LUST	Higher	1185, 0.224, NNE
BG282	HEATING OIL TANK	1504 SE MADISON	OR LUST	Higher	1186, 0.225, East
BD283	HEATING OIL TANK	1816 SE 12TH AVE	OR LUST	Higher	1186, 0.225, SSE
BD284	HEATING OIL TANK	1825 SE 12TH AVENUE	OR LUST	Higher	1191, 0.226, SSE
BC285	JACKSON CHESTER O	728 SE MORRISON	EDR Hist Auto	Higher	1192, 0.226, NNW
BC286	KNOX LARRY TEXACO SE	726 SE MORRISON	EDR Hist Auto	Higher	1195, 0.226, NNW
AU287	MATCHBOX MOTORS	600 SE BELMONT ST	EDR Hist Auto	Higher	1198, 0.227, NW
BF288	LONG AND SILVA GARAG	462 HAWTHORNE AVE	EDR Hist Auto	Higher	1199, 0.227, WSW
AN289	HEATING OIL TANK	1719 SE LADD AVE	OR LUST	Higher	1205, 0.228, SE
BG290	HEATING OIL TANK	1512 SE MADISON ST	OR LUST	Higher	1206, 0.228, East
291	STORNS RICHD L	1338 BELMONT	EDR Hist Cleaner	Higher	1210, 0.229, NE
BF292	MILLER LOUIS F	454 HAWTHORNE AVE	EDR Hist Auto	Higher	1217, 0.230, WSW
AN293	HEATING OIL TANK	1727 SE LADD AVENUE	OR LUST	Higher	1222, 0.231, SE
AW294	REX ARMS APARTMENTS	1230 SE MORRISON ST	RCRA NonGen / NLR	Higher	1222, 0.231, NNE
BH295	NORTHWEST AUTO LEASE	1205 SE MORRISON	EDR Hist Auto	Higher	1226, 0.232, NNE
BH296	CAMP BOB SERVICE	1205 SE MORRISON ST	EDR Hist Auto	Higher	1226, 0.232, NNE
BI297	ALLYN S CLEANING AND	1006 SE GRAND AVE	EDR Hist Cleaner	Higher	1229, 0.233, NW
298	HEATING OIL TANK	1507 SE SALMON STREE	OR LUST	Higher	1232, 0.233, ENE
BJ299	WEBB S GARAGE	1802 SE 7TH AVE	EDR Hist Auto	Higher	1233, 0.234, SSW
AS300	BARNEKOFF SERVICE ST	1638 SE GRAND AVE	EDR Hist Auto	Higher	1235, 0.234, SW
BG301	MITCHELL S SERVICE S	1509 SE HAWTHORNE BL	EDR Hist Auto	Higher	1239, 0.235, ESE
BC302	CUMMINGS TIRE CO INC	734 SE 7TH AVE	EDR Hist Auto	Higher	1240, 0.235, NNW
AS303	PAINT-PUMP & SUPPLY	1624 SE GRAND AVE	RCRA NonGen / NLR, FINDS, ECHO	Higher	1240, 0.235, SW
BI304	MILLER CARL FENDER S	1025 SE GRAND AVE	EDR Hist Auto	Higher	1242, 0.235, NW
AX305	METRO METRIC AUTOMOT	715 SE 10TH AVE	RCRA NonGen / NLR, FINDS, OR HSIS, OR MANIFEST,...	Higher	1245, 0.236, North
AX306		715 SE 10TH AVE	EDR Hist Auto	Higher	1245, 0.236, North
BJ307	HEATING OIL TANK	1807 SE 7TH AVE	OR LUST	Higher	1245, 0.236, SSW
AY308	HOLLIS ELECTRIC AND	1302 SE UNION	EDR Hist Auto	Higher	1250, 0.237, West
BK309	HEATING OIL TANK	1533 SE MAIN ST	OR LUST	Higher	1257, 0.238, East
BF310	AUTO GREASING STATIO	436 HAWTHORNE AVE	EDR Hist Auto	Higher	1258, 0.238, WSW
BF311	AUTO GREASING STATIO	434 HAWTHORNE AVE	EDR Hist Auto	Higher	1263, 0.239, WSW
BG312		1515 SE HAWTHORNE BL	EDR Hist Auto	Higher	1264, 0.239, ESE

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
BI313	LOGAN OLDSMOBILE CO	1005 SE GRAND AVE	EDR Hist Auto	Higher	1266, 0.240, NW
BI314	BROWN OLDSMOBILE CO.	1005 SE GRAND AVE	OR LUST, OR UST	Higher	1266, 0.240, NW
315	BENNION MOTOR CO	424 SE MAIN	EDR Hist Auto	Higher	1274, 0.241, West
316	HARE DOKTOR V W SERV	720 SE 11TH AVE	EDR Hist Auto	Higher	1276, 0.242, NNE
AZ317	FOUR SQUARE CLEANERS	1116 UNION AVE N	EDR Hist Cleaner	Higher	1277, 0.242, WNW
BE318	HEATING OIL TANK	1509 SE HOLLY ST	OR LUST	Higher	1290, 0.244, ESE
BD319	HEATING OIL TANK	1818 SE MULBERRY AVE	OR LUST	Higher	1292, 0.245, SE
BD320	HEATING OIL TANK	1829 SE MULBERRY AVE	OR LUST	Higher	1314, 0.249, SE
BE321	HEATING OIL TANK	1517 SE HOLLY ST	OR LUST	Higher	1317, 0.249, ESE
BB322	MERCHANTS-TRUCK BODY	1906 SE TENTH	OR LUST	Higher	1348, 0.255, South
323	HEATING OIL TANK	1010 SE 15 TH AVE	OR LUST	Higher	1372, 0.260, ENE
BL324	GOODWILL INDUSTRIES	1812 SE 6TH AVE.	OR ECSI, OR VCP, OR BROWNFIELDS	Higher	1381, 0.262, SW
325	HEATING OIL TANK	1544 SE HAWTHORNE BL	OR LUST	Higher	1382, 0.262, ESE
BM326	PORTLAND LAUNDRY BUI	1740 SE GRAND AVE.	OR ECSI, OR CRL, OR INST CONTROL, OR BROWNFIELDS	Higher	1390, 0.263, SW
BE327	HEATING OIL TANK	1543 SE HOLLY ST	OR LUST	Higher	1402, 0.266, ESE
BG328	HEATING OIL TANK	1407 SE 16TH	OR LUST	Higher	1408, 0.267, East
329	HEATING OIL TANK	1335 SE MORRISON ST	OR LUST	Higher	1413, 0.268, NE
BL330	MIRACLE AUTO PAINTIN	1800 MARTIN LUTHER K	OR LUST	Higher	1416, 0.268, SW
BL331	GOODWILL IND OF THE	1831 SE 6TH AVE	OR LUST, OR UST	Higher	1421, 0.269, SW
BN332	HEATING OIL TANK	1912 SE 12TH AVENUE	OR LUST	Higher	1426, 0.270, SSE
BN333	HEATING OIL TANK	1918 SE 12TH AVENUE	OR LUST	Higher	1442, 0.273, SSE
BO334	HEATING OIL TANK	1442 SE PALM ST	OR LUST	Higher	1455, 0.276, SE
335	SPIKES AUTO UPHOLSTE	726 SE 6TH AVE.	OR ECSI, OR VCP	Higher	1461, 0.277, NNW
BP336	HEATING OIL TANK	1925 SE LARCH AVE	OR LUST	Higher	1481, 0.280, SSE
BK337	HEATING OIL TANK	1623 SE MAIN	OR LUST	Higher	1492, 0.283, East
BO338	HEATING OIL TANK	1818 SE LADD AVE	OR LUST	Higher	1495, 0.283, SE
BQ339	HEATING OIL TANK	LOT 3 BLOCK 66	OR LUST	Higher	1499, 0.284, SSW
BP340	HEATING OIL TANK	1931 SE LARCH	OR LUST	Higher	1502, 0.284, SSE
BR341	HEATING OIL TANK	934 SE 15TH AVENUE	OR LUST	Higher	1512, 0.286, NE
BL342	HEATING OIL TANK	1943 SE 6TH	OR LUST, OR UIC	Higher	1514, 0.287, SSW
BR343	HEATING OIL TANK	926 SE 15TH AVE	OR LUST	Higher	1524, 0.289, NE
BS344	HEATING OIL TANK	1126 SE 16TH AVE	OR LUST	Higher	1525, 0.289, ENE
BM345	ROBERTSON FAMILY ENT	1801 SE GRAND AVE	OR LUST, OR UST	Higher	1525, 0.289, SW
BP346	HEATING OIL TANK	1939 SE LARCH AVE	OR LUST	Higher	1530, 0.290, SSE
BT347	HEATING OIL TANK	1829-1831 SE LADD AV	OR LUST	Higher	1534, 0.291, SE
348	HEATING OIL TANK	307 SE HAWTHORNE	OR LUST	Higher	1535, 0.291, WSW
BO349	HEATING OIL TANK	1828 SE LADD AVENUE	OR LUST	Higher	1535, 0.291, SE
350	HEATING OIL TANK	519-535 SE MORRISON	OR LUST	Higher	1563, 0.296, NW
BP351	HEATING OIL TANK	1950 SE LARCH	OR LUST	Higher	1590, 0.301, SSE

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
BP352	HEATING OIL TANK	1959 SE LARCH AVE	OR LUST	Higher	1601, 0.303, SSE
353	LEWIS BROS MEATS	1005 SE WASHINGTON S	OR LUST, OR UST	Higher	1607, 0.304, North
BS354	HEATING OIL TANK	1636 SE TAYLOR ST	OR LUST	Higher	1616, 0.306, ENE
BR355	HEATING OIL TANK	1525 SE BELMONT ST	OR LUST	Higher	1624, 0.308, NE
356	HEATING OIL TANK	1024 SE 16TH	OR LUST	Higher	1628, 0.308, ENE
357	7TH & ALDER CARDLOCK	635 SE 7TH	OR LUST, OR UST, OR HSIS	Higher	1644, 0.311, NNW
358	HEATING OIL TANK	2014 SE 11TH AVE	OR LUST	Higher	1646, 0.312, SSE
BQ359	HEATING OIL TANK	2010 SE 8TH AVE	OR LUST	Higher	1648, 0.312, SSW
BU360	HEATING OIL TANK	1606 SE HOLLY ST	OR LUST	Higher	1649, 0.312, ESE
BU361	HEATING OIL TANK	1615 SE HOLLY	OR LUST	Higher	1662, 0.315, ESE
BT362	HEATING OIL TANK	1861 SE LADD AVE	OR LUST	Higher	1664, 0.315, SE
BU363	HEATING OIL TANK	1625 SE HOLLY ST	OR LUST	Higher	1696, 0.321, ESE
364	HEATING OIL TANK	1753 SE MAPLE ST	OR LUST	Higher	1722, 0.326, SE
BU365	HEATING OIL TANK	1630 SE HOLLY STREET	OR LUST	Higher	1730, 0.328, ESE
BU366	HEATING OIL TANK	1718 SE 16TH AVE	OR LUST	Higher	1731, 0.328, ESE
367	THOEN TRUCK RENTALS	526 SE 9TH	OR LUST, OR UST	Higher	1737, 0.329, North
BV368	HEATING OIL TANK	1717 SE MAIN ST	OR LUST	Higher	1738, 0.329, East
BW369	HEATING OIL TANK	1511 SE MORRISON ST	OR LUST	Higher	1742, 0.330, NE
BX370	HEATING OIL TANK	1301 SE HARRISON	OR LUST	Higher	1747, 0.331, SSE
BR371	HEATING OIL TANK	907 SE 16TH AVE	OR LUST	Higher	1749, 0.331, ENE
372	HEATING OIL TANK	1727 SE MADISON STRE	OR LUST	Higher	1760, 0.333, East
BX373	HEATING OIL TANK	2003 SE LARCH AVE	OR LUST	Higher	1771, 0.335, SSE
BY374	LADD'S ADDITION APAR	2014 SE 12TH STREET	CERCLIS-NFRAP	Higher	1775, 0.336, SSE
BY375	LADD'S ADDITION APAR	2014 SE 12TH AVE	OR LUST, OR HAZMAT, OR MANIFEST	Higher	1775, 0.336, SSE
BZ376	HEATING OIL TANK	2039 SE 7TH AVE	OR LUST	Higher	1779, 0.337, SSW
BV377	HEATING OIL TANK	1734 SE MAIN ST	OR LUST	Higher	1781, 0.337, East
BX378	HEATING OIL TANK	1311 SE HARRISON ST	OR LUST	Higher	1783, 0.338, SSE
BW379	HEATING OIL TANK	1537 SE MORRISON ST	OR LUST	Higher	1794, 0.340, NE
BX380	HEATING OIL TANK	1315 SE HARRISON	OR LUST	Higher	1799, 0.341, SSE
BX381	HEATING OIL TANK	2021 SE LARCH AVE	OR LUST	Higher	1804, 0.342, SSE
382	NOR-AIR BUILDING	933 SE 3RD ST	OR LUST, OR UST	Higher	1813, 0.343, WNW
383	FASPEC BRITISH PARTS	1036 SE STARK ST	OR LUST, OR UST	Higher	1814, 0.344, North
BU384	HEATING OIL TANK	1661 SE HOLLY ST	OR LUST	Higher	1818, 0.344, ESE
CA385	REXEL/TAYLOR ELECTRI	240 SE CLAY ST.	OR ECSI, OR VCP, OR BROWNFIELDS, OR SPILLS	Higher	1827, 0.346, WSW
CB386	EAST SIDE PLATING -	1300/1304 SE 2ND AVE	OR ECSI	Higher	1831, 0.347, West
CB387	HEATING OIL TANK	1300 SE 2ND AVENUE	OR LUST	Higher	1831, 0.347, West
CC388	HEATING OIL TANK	819 SE 16TH AVE	OR LUST	Higher	1841, 0.349, NE
389	HEATING OIL TANK	1730 SE TAYLOR STREE	OR LUST	Higher	1848, 0.350, ENE
CD390	HEATING OIL TANK	2100 SE 10TH	OR LUST	Higher	1850, 0.350, South

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
CE391	HEATING OIL TANK	1982 SE MULBERRY	OR LUST	Higher	1852, 0.351, SE
BY392	HEATING OIL TANK	2038 SE 12TH AVE	OR LUST	Higher	1854, 0.351, SSE
CD393	LIM'S REFRIGERATION	930 SE LINCOLN ST	OR LUST, OR UST	Higher	1863, 0.353, South
CF394	HEATING OIL TANK	1911 SE LADD CIRCLE	OR LUST	Higher	1870, 0.354, SE
CC395	HEATING OIL TANK	824 SE 16TH	OR LUST	Higher	1871, 0.354, NE
CE396	HEATING OIL TANK	1990 SE MULBERRY AVE	OR LUST	Higher	1889, 0.358, SE
CA397	HEATING OIL TANK	201 SE CLAY	OR LUST	Higher	1907, 0.361, WSW
398	HEATING OIL TANK	SE HARRISON ST AND S	OR LUST	Higher	1911, 0.362, SW
CF399	HEATING OIL TANK	1925 SE LADD	OR LUST	Higher	1927, 0.365, SE
BZ400	BOB NAGEL DIST CO IN	2101 SE 7TH AVE	OR LUST, OR UST	Higher	1937, 0.367, SSW
CG401	JACKSON FOOD STORES	621 SE GRAND AVE	OR LUST, OR UST	Higher	1939, 0.367, NNW
CH402	HEATING OIL TANK	202 SE YAMHILL	OR LUST	Higher	1943, 0.368, WNW
CE403	HEATING OIL TANK	1425 SE HARRISON ST	OR LUST	Higher	1943, 0.368, SE
CI404	HEATING OIL TANK	820 SE SANDY BLVD	OR LUST	Higher	1953, 0.370, North
CE405	HEATING OIL TANK	2004 SE SPRUCE AVE	OR LUST	Higher	1960, 0.371, SE
406	HEATING OIL TANK	2124 SE 11TH AVE	OR LUST	Higher	1960, 0.371, South
BV407	HEATING OIL TANK	1808 SE MAIN ST	OR LUST	Higher	1976, 0.374, East
408	HEATING OIL TANK	1216 SE 18TH	OR LUST	Higher	1979, 0.375, East
CF409	HEATING OIL TANK	1938 SE LADD	OR LUST	Higher	1980, 0.375, SE
CJ410	HEATING OIL TANK	2136 SE 8TH AVE	OR LUST	Higher	1992, 0.377, South
CB411	HEATING OIL TANK	119 SE MAIN	OR LUST	Lower	2002, 0.379, West
CC412	HEATING OIL TANK	1635 SE MORRISON STR	OR LUST	Higher	2004, 0.380, NE
CK413	HEATING OIL TANK	626 SE STARK ST	OR LUST	Higher	2010, 0.381, NNW
CL414	CHILD SERVICE CENTER	531 SE 14TH AVE	OR LUST, OR UST	Higher	2025, 0.384, NNE
CM415	HEATING OIL TANK	2128 SE 12TH AVE	OR LUST	Higher	2027, 0.384, SSE
CN416	HEATING OIL TANK	1831 SE MADISON ST	OR LUST	Higher	2030, 0.384, East
CO417	HEATING OIL TANK	1716 SE BELMONT	OR LUST	Higher	2031, 0.385, ENE
CP418	HEATING OIL TANK	1550 SE POPLAR	OR LUST	Higher	2033, 0.385, ESE
419	HEATING OIL TANK	2058 SE SPRUCE AVE	OR LUST	Higher	2033, 0.385, SSE
CQ420	HEATING OIL TANK	602 SE 15TH AVE	OR LUST	Higher	2034, 0.385, NE
CO421	HEATING OIL TANK	1718 SE BELMONT	OR LUST	Higher	2035, 0.385, ENE
CK422	HEATING OIL TANK	600 SE STARK ST	OR LUST	Higher	2040, 0.386, NNW
CN423	HEATING OIL TANK	1834 SE MADISON AVEN	OR LUST	Higher	2041, 0.387, East
CO424	ACTION TECHNOLOGY SY	835 SE 17TH AVENUE	OR LUST, OR UST	Higher	2057, 0.390, ENE
425	EAST SIDE PLATING WO	310 SE STEPHENS	CERCLIS-NFRAP, RCRA-LQG, OR ECSI, OR LUST, OR UST,...	Higher	2059, 0.390, SW
CR426	HEATING OIL TANK	111 SE MADISON ST	OR LUST	Higher	2070, 0.392, West
CG427	MR CAR WASH	510 SE GRAND AVE	OR LUST, RCRA NonGen / NLR, ICIS, FINDS, ECHO	Higher	2079, 0.394, NNW
CG428	MR. CAR WASH, LLC	510 SE GRAND AVE	OR LUST, OR UST	Higher	2079, 0.394, NNW
CS429	HEATING OIL TANK	925 SE GRANT ST	OR LUST	Higher	2085, 0.395, South

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
CO430	HEATING OIL TANK	1742 SE BELMONT STRE	OR LUST	Higher	2088, 0.395, ENE
431	HEATING OIL TANK	1824 SE TAYLOR STREE	OR LUST	Higher	2090, 0.396, ENE
CT432	HEATING OIL TANK	926 SE OAK STREET	OR LUST	Higher	2090, 0.396, North
433	SPEEDS AUTOMOTIVE	120 SE CLAY ST	OR LUST, OR UST	Higher	2091, 0.396, WSW
CP434	HEATING OIL TANK	1524 SE POPLAR AVENU	OR LUST	Higher	2096, 0.397, ESE
CP435	HEATING OIL TANK	1518 SE POPLAR AVE	OR LUST	Higher	2113, 0.400, ESE
CK436	OREGON PLATING COMPA	436 SE 6TH AVE	RCRA-CESQG, OR ECSI, OR VCP, OR SPILLS, EPA WATCH..	Higher	2114, 0.400, NNW
CQ437	HEATING OIL TANK	525 SE 15TH AVE	OR LUST	Higher	2115, 0.401, NE
CH438	CONSOLIDATED ELEC. D	111-115 SE YAMHILL S	OR ECSI	Lower	2124, 0.402, WNW
CH439	HEATING OIL TANK	115 SE YAMHILL ST	OR LUST	Lower	2124, 0.402, WNW
CT440	PIERRE'S FRENCH BAKE	1011 SE OAK ST	OR LUST, OR UST	Higher	2127, 0.403, North
CI441	REFRIGERATION SUPPLI	740 SE OAK STREET	OR LUST, OR UST	Higher	2140, 0.405, North
CJ442	EXLEY TRUCKING	2204 SE EIGHTH	OR LUST	Higher	2146, 0.406, South
CS443	HEATING OIL TANK	2220 SE SPRUCE	OR LUST	Higher	2153, 0.408, South
CU444	HEATING OIL TANK	1969 SE LADD CIRCLE	OR LUST	Higher	2160, 0.409, SE
CV445	HEATING OIL TANK	1705 SE MORRISON	OR LUST	Higher	2162, 0.409, NE
CW446	HEATING OIL TANK	400 SE 12TH AVE	OR LUST	Higher	2178, 0.412, NNE
CX447	HEATING OIL TANK	1302 SE BIRCH ST	OR LUST	Higher	2182, 0.413, SSE
CL448	HEATING OIL TANK	1421 SE STARK ST	OR LUST	Higher	2183, 0.413, NNE
CK449	HEATING OIL TANK	425 SE 6TH	OR LUST	Higher	2187, 0.414, NNW
CV450	HEATING OIL TANK	713-717 SE 17TH AVEN	OR LUST	Higher	2188, 0.414, NE
451	HEATING OIL TANK	1928 SE ELLIOTT AVE	OR LUST	Higher	2201, 0.417, SE
CR452	HEATING OIL TANK	80 SE MADISON ST	OR LUST	Lower	2208, 0.418, West
CW453	HEATING OIL TANK	1131 SE OAK ST	OR LUST, OR UIC	Higher	2212, 0.419, NNE
CM454	HEATING OIL TANK	2212 SE 12TH AVE	OR LUST	Higher	2214, 0.419, SSE
CQ455	HEATING OIL TANK	603 SE 16TH AVE	OR LUST	Higher	2228, 0.422, NE
CY456	HEATING OIL TANK	1834 SE ELLIOTT AVE	OR LUST	Higher	2229, 0.422, ESE
457	GRANT STREET PROPERT	624 SE GRANT/2227 SE	OR ECSI, OR VCP	Higher	2235, 0.423, SSW
CY458	HEATING OIL TANK	1818 SE ELLIOTT	OR LUST	Higher	2237, 0.424, ESE
CZ459	HEATING OIL TANK	612 SE 16TH AVE	OR LUST	Higher	2239, 0.424, NE
460	OREGON RAIL HERITAGE	SE DIVISION	OR SWF/LF	Higher	2240, 0.424, SSW
DA461	HEATING OIL TANK	1747 SE ELLIOTT AVEN	OR LUST	Higher	2252, 0.427, ESE
CU462	HEATING OIL TANK	2006 SE ELLIOTT AVE	OR LUST	Higher	2254, 0.427, SE
DB463	BROAD SPECTRUM ELECT	424 SE GRAND AV	CERCLIS-NFRAP	Higher	2260, 0.428, NNW
DC464	BATASCH FAMILY TRUST	1324 SE OAK	OR LUST, OR UST	Higher	2265, 0.429, NNE
DB465	BROAD SPECTRUM ELECT	422 SE GRAND AVE.	OR ECSI	Higher	2271, 0.430, NNW
466	AMATO BROTHERS ENTER	515 SE MARTIN LUTHER	OR LUST	Lower	2272, 0.430, NW
DA467	HEATING OIL TANK	1711 SE ELLIOTT AVE	OR LUST	Higher	2278, 0.431, ESE
CU468	HEATING OIL TANK	2040 SE ELLIOT AVE	OR LUST	Higher	2279, 0.432, SE

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
DD469	GRAND & BENEDICTS BL	111 SE BELMONT	OR LUST	Lower	2288, 0.433, WNW
CU470	HEATING OIL TANK	2058 SE ELLIOTT AVE	OR LUST	Higher	2295, 0.435, SE
CY471	HEATING OIL TANK	1821 SE HAZEL ST	OR LUST	Higher	2295, 0.435, ESE
DE472	HEATING OIL TANK	1932 SE MADISON ST	OR LUST	Higher	2295, 0.435, East
CV473	HEATING OIL TANK	1714 SE ALDER	OR LUST	Higher	2304, 0.436, NE
DA474	HEATING OIL TANK	1726 SE ELLIOTT AVE	OR LUST	Higher	2304, 0.436, ESE
CZ475	HEATING OIL TANK	1621 SE WASHINGTON S	OR LUST	Higher	2306, 0.437, NE
DF476	HEATING OIL TANK	340 SE 6TH AVE	OR LUST	Higher	2308, 0.437, NNW
DG477	NORTHWEST CAST METAL	79 SE TAYLOR ST	CERCLIS-NFRAP	Lower	2311, 0.438, WNW
DG478	NW CAST METAL PRODUC	79 SE TAYLOR ST.	OR ECSI	Lower	2311, 0.438, WNW
DD479	HEATING OIL TANK	130 SE MORRISON	OR LUST	Lower	2324, 0.440, WNW
DH480	ODOT-CENTRAL EASTSID	SE WATER AVE BETWEEN	OR ECSI, OR VCP	Lower	2336, 0.442, West
CX481	HEATING OIL TANK	1349 SE BIRCH ST	OR LUST	Higher	2337, 0.443, SSE
482	HEATING OIL TANK	2104 SE ELLIOTT AVE	OR LUST	Higher	2340, 0.443, SSE
DI483	HEATING OIL TANK	1637 SE ELLIOTT	OR LUST	Higher	2343, 0.444, ESE
DJ484	HEATING OIL TANK	2260 SE SPRUCE AVE	OR LUST	Higher	2344, 0.444, SSE
DC485	HEATING OIL TANK	1400 SE OAK	OR LUST	Higher	2350, 0.445, NNE
DH486	PRATT & LARSON TILE	1204-1216 SE WATER A	OR ECSI, OR VCP	Lower	2352, 0.445, West
DK487	PORTLAND GENERAL ELE	1510 SE WATER AVE	RCRA-CESQG, OR ECSI, OR VCP, OR BROWNFIELDS, OR...	Lower	2355, 0.446, West
DL488	HEATING OIL TANK	1802 SE MORRISON	OR LUST	Higher	2355, 0.446, ENE
DM489	BENT 3 - PORTLAND ST	SE 3RD & LINCOLN	OR ECSI	Higher	2366, 0.448, SW
CZ490	HEATING OIL TANK	525 SE 16TH AVE	OR LUST	Higher	2375, 0.450, NE
DL491	HEATING OIL TANK	1812-1818 SE MORRISO	OR LUST	Higher	2376, 0.450, ENE
DI492	HEATING OIL TANK	1636 SE ELLIOT AVE	OR LUST	Higher	2380, 0.451, ESE
DI493	HEATING OIL TANK	1630 SE ELLIOT AVE	OR LUST	Higher	2386, 0.452, ESE
DN494	HEATING OIL TANK	1028 SE SHERMAN	OR LUST	Higher	2386, 0.452, South
DJ495	HEATING OIL TANK	2276 SE SPRUCE AVENU	OR LUST	Higher	2386, 0.452, SSE
DK496	MULTNOMAH COUNTY TRA	1403 SE WATER AVE	OR LUST, OR UST	Lower	2388, 0.452, West
DN497	GENERAL THREADED PRO	2318 SE 10TH	OR LUST, OR UST	Higher	2395, 0.454, South
CZ498	HEATING OIL TANK	524 SE 16TH	OR LUST	Higher	2402, 0.455, NE
DJ499	HEATING OIL TANK	2282 SE SPRUCE AVENU	OR LUST	Higher	2404, 0.455, SSE
DI500	HEATING OIL TANK	1559-1561 SE ELLIOTT	OR LUST	Higher	2424, 0.459, ESE
DO501	7-ELEVEN FOOD STORE	1930 SE HAWTHORNE BL	OR LUST	Higher	2441, 0.462, East
DF502	IMAGE CONTROL SYSTEM	310 SE 6TH AVE	OR LUST, OR UST	Higher	2445, 0.463, NNW
DP503	HEATING OIL TANK	2050 SE 16TH	OR LUST	Higher	2450, 0.464, SE
DO504	HEATING OIL TANK	1537 SE ELLIOTT	OR LUST	Higher	2450, 0.464, ESE
DG505	ODOT	1001 SE WATER AVE	OR LUST, OR UST, OR UIC	Lower	2450, 0.464, WNW
DP506	HEATING OIL TANK	2043-2047 SE 16TH AV	OR LUST	Higher	2452, 0.464, SE
507	ROBBEN OIL COMPANY	2300 SE 7TH AVE	OR LUST, OR UST	Higher	2455, 0.465, SSW

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
DD508	HABITAT FOR HUMANITY	66 SE MORRISON	WA SWRCY	Lower	2455, 0.465, WNW
DQ509	HEATING OIL TANK	1403 SE BIRCH	OR LUST	Higher	2455, 0.465, SSE
DN510	HEATING OIL TANK	2332 SE 11TH AVE	OR LUST	Higher	2459, 0.466, South
DI511	HEATING OIL TANK	1556 SE ELLIOTT AVE	OR LUST	Higher	2463, 0.466, ESE
DI512	HEATING OIL TANK	1548 SE ELLIOTT AVEN	OR LUST	Higher	2471, 0.468, ESE
DL513	HEATING OIL TANK	718 SE 18TH	OR LUST	Higher	2472, 0.468, NE
DL514	HEATING OIL TANK	710 SE 18TH AVE	OR LUST	Higher	2487, 0.471, NE
DR515	HEATING OIL TANK	1306 SE 20TH AVE	OR LUST	Higher	2490, 0.472, East
DM516	OREGON RAIL HERITAGE	BETWEEN SE GRAND AVE	OR ECSI, OR CRL, OR ENG CONTROLS, OR INST CONTROL,...	Higher	2492, 0.472, SW
517	HEATING OIL TANK	201 SE WASHINGTON	OR LUST	Lower	2515, 0.476, NW
DQ518	HEATING OIL TANK	1413 SE BIRCH AVENUE	OR LUST	Higher	2518, 0.477, SSE
519	HEATING OIL TANK	1336 SE PINE ST	OR LUST	Higher	2518, 0.477, NNE
DR520	HEATING OIL TANK	2011 SE MAIN ST	OR LUST	Higher	2518, 0.477, East
521	HEATING OIL TANK	2015 SE SALMON ST	OR LUST	Higher	2528, 0.479, East
DS522	HEATING OIL TANK	1838 SE ELLIOT STREE	OR LUST	Higher	2529, 0.479, ESE
DH523	ODOT REGION 1	SE MADISON STREET BL	OR LUST, OR UST	Lower	2533, 0.480, West
DE524	HEATING OIL TANK	2023 SE MADISON	OR LUST	Higher	2535, 0.480, East
525	GROUNDWATER - SE 1ST	VICINITY OF SE 1ST &	OR ECSI, OR CRL, FINDS, ECHO	Higher	2540, 0.481, SW
DR526	HEATING OIL TANK	2021 SE MAIN ST	OR LUST	Higher	2543, 0.482, East
527	HEATING OIL TANK	437 SE MLK JR BLVD	OR LUST	Lower	2547, 0.482, NW
DP528	HEATING OIL TANK	2031 SE LADD AVE	OR LUST	Higher	2553, 0.484, SE
DT529	UNION PACIFIC RR - P	1640 SE WATER AVE	OR LUST, OR UST	Lower	2560, 0.485, WSW
DU530	HEATING OIL TANK	1811 SE HARRISON ST	OR LUST	Higher	2568, 0.486, SE
531	HEATING OIL TANK	2038 SE MADISON ST	OR LUST	Higher	2575, 0.488, East
DP532	HEATING OIL TANK	2042 SE LADD	OR LUST	Higher	2581, 0.489, SE
DS533	HEATING OIL TANK	1825 SE LOCUST AVE	OR LUST	Higher	2582, 0.489, ESE
DS534	HEATING OIL TANK	1823 SE LOCUST AVE	OR LUST	Higher	2584, 0.489, ESE
DS535	HEATING OIL TANK	1819 SE LOCUST ST	OR LUST	Higher	2588, 0.490, ESE
DV536	HULME, ROBERT H	221 SE 11TH AVE	OR LUST, OR UST	Higher	2588, 0.490, North
537	HEATING OIL TANK	234 SE 7TH	OR LUST, OR HAZMAT	Higher	2592, 0.491, NNW
DP538	HEATING OIL TANK	2047 SE LADD AVE	OR LUST	Higher	2593, 0.491, SE
DS539	HEATING OIL TANK	1813 SE LOCOST AVE	OR LUST	Higher	2593, 0.491, ESE
DU540	HEATING OIL TANK	2019 SE CYPRESS AVE	OR LUST	Higher	2604, 0.493, SE
DS541	HEATING OIL TANK	1801 SE LOCUST	OR LUST	Higher	2607, 0.494, ESE
DV542	HEATING OIL TANK	1030 SE ASH	OR LUST	Higher	2615, 0.495, North
DO543	HEATING OIL TANK	1550 SE 20TH AVE	OR LUST	Higher	2616, 0.495, East
544	HEATING OIL TANK	711 SE 19TH AVE	OR LUST	Higher	2623, 0.497, ENE
DS545	HEATING OIL TANK	1914 SE HEMLOCK AVE	OR LUST	Higher	2629, 0.498, ESE
DT546	OMSI	1701 SE WATER AVE	OR ECSI, OR LUST, OR UST, OR VCP, OR BROWNFIELDS,...	Lower	2643, 0.501, WSW

MAPPED SITES SUMMARY

Target Property Address:
1306 SE 9TH AVE
PORTLAND, OR 97214

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
547	PGE - STATION L	1841 SE WATER AVE.	OR ECSI, OR CRL, OR ENG CONTROLS, OR BROWNFIELDS	Lower	2764, 0.523, WSW
DW548	HOLMAN BUILDING	49 SE CLAY ST.	OR ECSI, OR VCP	Lower	2797, 0.530, WSW
549	BALZER PACIFIC EQUIP	2230 SE GRAND AVE.	OR ECSI, OR ENG CONTROLS, OR INST CONTROL, OR VCP	Higher	2854, 0.541, SSW
DW550	PGE WILLAMETTE RIVER	RIVER MILE 13.1 E TO	OR ECSI, OR VCP	Lower	2992, 0.567, WSW
551	SALVATION ARMY FACIL	139 SE MARTIN LUTHER	OR ECSI, OR CRL, OR VCP, OR BROWNFIELDS	Higher	3068, 0.581, NNW
DX552	EAST PORTLAND GAS WO	110 SE 2ND AVE. & 5	EDR MGP	Higher	3339, 0.632, NNW
DX553	E PORTLAND GAS WORKS	110 SE 2ND AVE.	OR ECSI, OR VCP	Higher	3339, 0.632, NNW
DX554	PORTLAND GAS LIGHT C	SE ANKENY ST	EDR MGP	Higher	3387, 0.641, NNW
DY555	PORTLAND GAS AND COK	2620 SE 9TH AVE	EDR MGP	Higher	3387, 0.641, South
DY556	CENTRAL SERVICE CENT	2630 SE 9TH AVE	OR ECSI, OR CRL, OR LUST, OR UST, OR VCP, OR...	Higher	3419, 0.648, South
DZ557	GAS HOLDER TANK SITE	5 SE MARTIN LUTHER K	OR ECSI, OR VCP	Higher	3453, 0.654, NNW
DZ558	BLOCK 76/67 SITE	15 NE MARTIN LUTHER	OR ECSI, OR VCP, OR BROWNFIELDS	Higher	3511, 0.665, NNW
559	IVON STREET WATERFRO	306 SE IVON ST.	OR ECSI, OR VCP, OR NPDES	Higher	3527, 0.668, SSW
560	ODOT - MLK/GRAND VIA	HWY 99E, MP 1.0 - 1.	OR ECSI	Higher	3622, 0.686, SSW
561	BLOCK 75	111 NE MARTIN LUTHER	OR ECSI, OR VCP	Higher	3737, 0.708, NNW
562	THROWAWAY BIT CORP.	624 NE EVERETT ST.	OR ECSI, OR VCP	Higher	3999, 0.757, North
563	KOPPY PROPERTY	1642 NE SANDY BLVD.	OR ECSI, OR BROWNFIELDS, OR MANIFEST	Higher	4106, 0.778, NNE
564	DOWNTOWN PORTLAND SE	WILLAMETTE RIVER, FR	OR ECSI	Lower	4267, 0.808, SW
565	PESTICIDE SPILL, I-5	I-5 & I-84 INTERCHAN	OR ECSI, FINDS, ECHO	Lower	4268, 0.808, NNW
566	NEW SYSTEM LAUNDRY	432 NE 10TH AVE	OR ECSI, FINDS, OR HSIS, ECHO	Higher	4351, 0.824, North
567	SOUTH WATERFRONT PAR	FOOT OF SW MONTGOMER	OR ECSI, OR CRL, OR ENG CONTROLS, OR INST CONTROL,	Higher	4390, 0.831, WSW
EA568	SOUTH WATERFRONT RED	SW RIVER DR	OR ECSI, OR CRL, OR ENG CONTROLS, OR INST CONTROL,	Lower	4507, 0.854, WSW
569	WASHWORLD FACILITY (	2721-2731 SE BELMONT	OR ECSI, OR VCP, OR DRYCLEANERS	Higher	4558, 0.863, ENE
570	SOUTH WATERFRONT LOT	SW RIVER PARKWAY	OR ECSI, OR CRL, OR INST CONTROL, OR VCP	Lower	4654, 0.881, WSW
EA571	SOUTH WATERFRONT RED	SW RIVER DR.	OR ECSI, OR CRL, OR ENG CONTROLS, OR INST CONTROL,	Lower	4697, 0.890, WSW
572	TRIMET WILLAMETTE RI	SOUTH WATERFRONT DIS	OR ECSI, OR VCP	Lower	4703, 0.891, SW
573	CITY OF PORTLAND SW	1434 SW NAITO PARKWA	OR ECSI, FINDS, ECHO	Higher	4726, 0.895, West
574	FIRST & MAIN	101 SW MAIN ST.	OR ECSI, OR CRL, OR ENG CONTROLS, OR INST CONTROL,	Higher	4869, 0.922, West
575	INNVENTURES	2115 SW RIVER PARKWA	OR ECSI, OR VCP, OR BROWNFIELDS, FINDS, ECHO	Lower	4885, 0.925, WSW
EB576	SOUTH WATERFRONT RED	SW RIVER PKWY. & SW	OR ECSI, OR CRL, OR VCP, OR BROWNFIELDS, FINDS,...	Lower	4975, 0.942, WSW
EB577	SOUTH WATERFRONT AT	SW RIVER DRIVE	OR ECSI, OR CRL, OR ENG CONTROLS, OR INST CONTROL,	Lower	4982, 0.944, WSW
EC578	SOUTH WATERFRONT RIV	SW RIVER PARKWAY/SW	OR ECSI, OR CRL, OR ENG CONTROLS, OR INST CONTROL,	Lower	5002, 0.947, WSW
EC579	SOUTH WATERFRONT AT	SW RIVER DRIVE AND S	OR ECSI, OR CRL, OR ENG CONTROLS, OR INST CONTROL,	Lower	5010, 0.949, WSW
580	OAK TOWER REDEVELOPM	225 SW OAK ST.	OR ECSI, OR CRL, OR ENG CONTROLS, OR INST CONTROL,	Lower	5043, 0.955, WNW
581	KRISHELL LABORATORIE	1735 SE POWELL BLVD	OR ECSI, FINDS, ECHO	Higher	5052, 0.957, SSE
582	POPE & TALBOT - PORT	1500 SW 1ST AVE.	OR ECSI	Higher	5105, 0.967, West
583	AC HOTEL	888 SW 3RD AVE.	OR ECSI, OR VCP	Higher	5128, 0.971, WNW
584	GULL INDUSTRIES, INC	2831 SE GRAND	OR ECSI, OR LUST, OR UST, OR VCP	Higher	5136, 0.973, ESE
585	SW MOODY AVE. - RIGH	SW MOODY AVE.	OR ECSI	Lower	5220, 0.989, SW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-SQG ---------- RCRA - Small Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

FEMA UST ---- Underground Storage Tank Listing
INDIAN UST ---- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP ---- Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

OR SWRCY ---- Recycling Facility Location Listing
OR HIST LF ---- Old Closed SW Disposal Sites
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations

Local Lists of Hazardous waste / Contaminated Sites

OR AOCONCERN ---- Columbia Slough
US HIST CDL ---- National Clandestine Laboratory Register
OR CDL ---- Uninhabitable Drug Lab Properties
US CDL ---- Clandestine Drug Labs

Local Land Records

LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
OR SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties

PADS	PCB Activity Database System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
OR COAL ASH	Coal Ash Disposal Sites Listing
OR Financial Assurance	Financial Assurance Information Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

OR RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
OR RGA LF	Recovered Government Archive Solid Waste Facilities List
OR RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard

associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERCLIS-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there are 5 CERCLIS-NFRAP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OECO CORP	***712 SE HAWTHORNE BLD***	***SW 0 - 1/8 (0.111 mi.)***	***R82***	***168***
LADD'S ADDITION APAR	2014 SE 12TH STREET	SSE 1/4 - 1/2 (0.336 mi.)	BY374	387
EAST SIDE PLATING WO	***310 SE STEPHENS***	***SW 1/4 - 1/2 (0.390 mi.)***	***425***	***435***
BROAD SPECTRUM ELECT	424 SE GRAND AV	NNW 1/4 - 1/2 (0.428 mi.)	DB463	564

Lower Elevation	Address	Direction / Distance	Map ID	Page
NORTHWEST CAST METAL	79 SE TAYLOR ST	WNW 1/4 - 1/2 (0.438 mi.)	DG477	572

Federal RCRA generators list

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 06/09/2015 has revealed that there are 13 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BRADSHAWS SERVICE CE	***1025 SE HAWTHORNE***	***SSE 0 - 1/8 (0.049 mi.)***	***D22***	***59***
PORTLAND ENGINE REBU	***1001 SE HAWTHORNE BL***	***SSE 0 - 1/8 (0.056 mi.)***	***D30***	***74***
PRECISION ELECTRO CO	***1124 SE 11TH AVENUE***	***NE 0 - 1/8 (0.059 mi.)***	***J40***	***86***
W G WRIGHT & ASSOC I	***1525 SE 10TH AVE***	***S 0 - 1/8 (0.074 mi.)***	***H48***	***104***
ENVIRONMENTAL BUILDI	***819 SE TAYLOR ST***	***NNW 0 - 1/8 (0.086 mi.)***	***55***	***113***
REACH COMMUNITY DEVE	***1135 SE SALMON ST***	***ENE 0 - 1/8 (0.090 mi.)***	***J58***	***118***
ODEQ TECHNICAL CENTE	***1240 SOUTHEAST 12TH***	***ENE 0 - 1/8 (0.092 mi.)***	***M60***	***123***
REJUVENATION INC	***1100 SE GRAND AVE***	***NW 0 - 1/8 (0.124 mi.)***	***W99***	***180***
M B I MOTORS	***1309 SE HAWTHORNE***	***ESE 1/8 - 1/4 (0.125 mi.)***	***N102***	***189***
ENGINE & PERFORMANCE	***1020 SE MARKET ST***	***S 1/8 - 1/4 (0.156 mi.)***	***AE149***	***224***
TVG INC	***945 SE 12TH AVE***	***NNE 1/8 - 1/4 (0.165 mi.)***	***Y168***	***236***
SITEPAINTERS	1711 SE 10TH AVE	S 1/8 - 1/4 (0.173 mi.)	AE175	247
MR FORMAL INC	***1205 SE GRAND AVE***	***WNW 1/8 - 1/4 (0.209 mi.)***	***AZ250***	***297***

State- and tribal - equivalent CERCLIS

OR CRL: Sites that are or may be contaminated and may require cleanup.

A review of the OR CRL list, as provided by EDR, and dated 11/01/2015 has revealed that there are 17 OR CRL sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PORTLAND LAUNDRY BUI	***1740 SE GRAND AVE.***	***SW 1/4 - 1/2 (0.263 mi.)***	***BM326***	***363***

Facility Status: No Further Action (Conditional)
Facility Id: 4311

OREGON RAIL HERITAGE ***BETWEEN SE GRAND AVE*** ***SW 1/4 - 1/2 (0.472 mi.)*** ***DM516*** ***615***
Facility Status: No Further Action (Conditional)
Facility Id: 5641

GROUNDWATER - SE 1ST ***VICINITY OF SE 1ST &*** ***SW 1/4 - 1/2 (0.481 mi.)*** ***525*** ***625***
Facility Status: Remedial Action recommended (RA)
Facility Id: 1556

SALVATION ARMY FACIL ***139 SE MARTIN LUTHER*** ***NNW 1/2 - 1 (0.581 mi.)*** ***551*** ***694***
Facility Status: Consent Decree
Facility Id: 5555

CENTRAL SERVICE CENT ***2630 SE 9TH AVE*** ***S 1/2 - 1 (0.648 mi.)*** ***DY556*** ***730***
Facility Status: Independent Cleanup Program
Facility Id: 1488

SOUTH WATERFRONT PAR ***FOOT OF SW MONTGOMER*** ***WSW 1/2 - 1 (0.831 mi.)*** ***567*** ***817***
Facility Status: No Further Action (Conditional)
Facility Id: 4422

FIRST & MAIN ***101 SW MAIN ST.*** ***W 1/2 - 1 (0.922 mi.)*** ***574*** ***886***
Facility Status: No Further Action (Conditional)
Facility Id: 4085

Lower Elevation	Address	Direction / Distance	Map ID	Page

OREGON BRASS WORKS ***1127 SOUTHEAST 10TH*** ***NNE 0 - 1/8 (0.018 mi.)*** ***C8*** ***26***
Facility Status: No Further Action (Conditional)
Facility Id: 2550

PGE - STATION L ***1841 SE WATER AVE.*** ***WSW 1/2 - 1 (0.523 mi.)*** ***547*** ***648***
Facility Status: Long Term Care/Control recommended (OM)
Facility Id: 151

SOUTH WATERFRONT RED ***SW RIVER DR*** ***WSW 1/2 - 1 (0.854 mi.)*** ***EA568*** ***827***
Facility Status: No Further Action (Conditional)
Facility Id: 4757

SOUTH WATERFRONT LOT ***SW RIVER PARKWAY*** ***WSW 1/2 - 1 (0.881 mi.)*** ***570*** ***849***
Facility Status: Independent Cleanup Program
Facility Id: 4423

SOUTH WATERFRONT RED ***SW RIVER DR.*** ***WSW 1/2 - 1 (0.890 mi.)*** ***EA571*** ***858***
Facility Status: Closeout activities on completed project
Facility Id: 602

SOUTH WATERFRONT RED ***SW RIVER PKWY. & SW*** ***WSW 1/2 - 1 (0.942 mi.)*** ***EB576*** ***916***
Facility Status: Closeout activities on completed project
Facility Id: 2492

SOUTH WATERFRONT AT ***SW RIVER DRIVE*** ***WSW 1/2 - 1 (0.944 mi.)*** ***EB577*** ***950***
Facility Status: OPERATION & MAINTENANCE
Facility Id: 4420

SOUTH WATERFRONT RIV ***SW RIVER PARKWAY/SW*** ***WSW 1/2 - 1 (0.947 mi.)*** ***EC578*** ***958***
Facility Status: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Facility Id: 4424

SOUTH WATERFRONT AT ***SW RIVER DRIVE AND S*** ***WSW 1/2 - 1 (0.949 mi.)*** ***EC579*** ***968***
Facility Status: OPERATION & MAINTENANCE
Facility Id: 4421

OAK TOWER REDEVELOPM ***225 SW OAK ST.*** ***WNW 1/2 - 1 (0.955 mi.)*** ***580*** ***976***

Facility Status: No Further Action (Conditional)
Facility Id: 4416

OR ECSI: The Environmental Cleanup Site Information System records information about sites in Oregon that may be of environmental interest. The data come from the Department of Environmental Quality.

A review of the OR ECSI list, as provided by EDR, and dated 01/01/2016 has revealed that there are 60 OR ECSI sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CARSON OIL CO INC Investigation: No Further Action State ID Number: 367	***1208 SE 8TH AVE***	***NW 0 - 1/8 (0.058 mi.)***	***I37***	***80***
OECO CORP. - PORTLAN Investigation: Suspect State ID Number: 1667	***712 SE HAWTHORNE BLV***	***SW 0 - 1/8 (0.111 mi.)***	***R81***	***157***
GARDNER AND RANCHERS Investigation: Suspect State ID Number: 4073	***1004 SE BELMONT ST.***	***N 1/8 - 1/4 (0.150 mi.)***	***AF137***	***216***
MR FORMAL INC Investigation: No Further Action State ID Number: 5904	***1205 SE GRAND AVE***	***WNW 1/8 - 1/4 (0.209 mi.)***	***AZ250***	***297***
GOODWILL INDUSTRIES Investigation: No Further Action State ID Number: 1475	***1812 SE 6TH AVE.***	***SW 1/4 - 1/2 (0.262 mi.)***	***BL324***	***359***
PORTLAND LAUNDRY BUI Investigation: Listed on the CRL/Inventory State ID Number: 4311	***1740 SE GRAND AVE.***	***SW 1/4 - 1/2 (0.263 mi.)***	***BM326***	***363***
SPIKES AUTO UPHOLSTE Investigation: No Further Action State ID Number: 5554	***726 SE 6TH AVE.***	***NNW 1/4 - 1/2 (0.277 mi.)***	***335***	***369***
REXEL/TAYLOR ELECTRI Investigation: Suspect State ID Number: 4632	***240 SE CLAY ST.***	***WSW 1/4 - 1/2 (0.346 mi.)***	***CA385***	***397***
EAST SIDE PLATING - Investigation: No Further Action State ID Number: 3856	1300/1304 SE 2ND AVE	W 1/4 - 1/2 (0.347 mi.)	CB386	403
EAST SIDE PLATING WO Investigation: Suspect State ID Number: 1010	***310 SE STEPHENS***	***SW 1/4 - 1/2 (0.390 mi.)***	***425***	***435***
OREGON PLATING COMPA Investigation: Suspect State ID Number: 4925	***436 SE 6TH AVE***	***NNW 1/4 - 1/2 (0.400 mi.)***	***CK436***	***491***
GRANT STREET PROPERT Investigation: No Further Action State ID Number: 3828	***624 SE GRANT/2227 SE***	***SSW 1/4 - 1/2 (0.423 mi.)***	***457***	***558***
BROAD SPECTRUM ELECT Investigation: No Further Action	422 SE GRAND AVE.	NNW 1/4 - 1/2 (0.430 mi.)	DB465	565

State ID Number: 1279				
BENT 3 - PORTLAND ST Investigation: Suspect State ID Number: 5392	SE 3RD & LINCOLN	SW 1/4 - 1/2 (0.448 mi.)	DM489	597
OREGON RAIL HERITAGE Investigation: Listed on the CRL/Inventory State ID Number: 5641	***BETWEEN SE GRAND AVE***	***SW 1/4 - 1/2 (0.472 mi.)***	***DM516***	***615***
GROUNDWATER - SE 1ST Investigation: Listed on the CRL/Inventory State ID Number: 1556	***VICINITY OF SE 1ST &***	***SW 1/4 - 1/2 (0.481 mi.)***	***525***	***625***
BALZER PACIFIC EQUIP Investigation: Listed on the CRL/Inventory State ID Number: 5753	***2230 SE GRAND AVE.***	***SSW 1/2 - 1 (0.541 mi.)***	***549***	***664***
SALVATION ARMY FACIL Investigation: Listed on the CRL/Inventory State ID Number: 5555	***139 SE MARTIN LUTHER***	***NNW 1/2 - 1 (0.581 mi.)***	***551***	***694***
E PORTLAND GAS WORKS Investigation: Suspect State ID Number: 4426	***110 SE 2ND AVE.***	***NNW 1/2 - 1 (0.632 mi.)***	***DX553***	***715***
CENTRAL SERVICE CENT Investigation: Listed on the CRL/Inventory State ID Number: 1488	***2630 SE 9TH AVE***	***S 1/2 - 1 (0.648 mi.)***	***DY556***	***730***
GAS HOLDER TANK SITE Investigation: No Further Action State ID Number: 5798	***5 SE MARTIN LUTHER K***	***NNW 1/2 - 1 (0.654 mi.)***	***DZ557***	***761***
BLOCK 76/67 SITE Investigation: No Further Action State ID Number: 3930	***15 NE MARTIN LUTHER***	***NNW 1/2 - 1 (0.665 mi.)***	***DZ558***	***764***
IVON STREET WATERFRO Investigation: Suspect State ID Number: 5906	***306 SE IVON ST.***	***SSW 1/2 - 1 (0.668 mi.)***	***559***	***769***
ODOT - MLK/GRAND VIA Investigation: Suspect State ID Number: 4517	HWY 99E, MP 1.0 - 1.	SSW 1/2 - 1 (0.686 mi.)	560	771
BLOCK 75 Investigation: No Further Action State ID Number: 5905	***111 NE MARTIN LUTHER***	***NNW 1/2 - 1 (0.708 mi.)***	***561***	***773***
THROWAWAY BIT CORP. Investigation: No Further Action State ID Number: 1068	***624 NE EVERETT ST.***	***N 1/2 - 1 (0.757 mi.)***	***562***	***782***
KOPPY PROPERTY Investigation: Suspect State ID Number: 5609	***1642 NE SANDY BLVD.***	***NNE 1/2 - 1 (0.778 mi.)***	***563***	***795***
NEW SYSTEM LAUNDRY Investigation: Suspect State ID Number: 3793	***432 NE 10TH AVE***	***N 1/2 - 1 (0.824 mi.)***	***566***	***805***
SOUTH WATERFRONT PAR Investigation: Listed on the CRL/Inventory State ID Number: 4422	***FOOT OF SW MONTGOMER***	***WSW 1/2 - 1 (0.831 mi.)***	***567***	***817***
WASHWORLD FACILITY (	***2721-2731 SE BELMONT***	***ENE 1/2 - 1 (0.863 mi.)***	***569***	***842***

Investigation: Suspect
State ID Number: 5731

CITY OF PORTLAND SW	***1434 SW NAITO PARKWA***	***W 1/2 - 1 (0.895 mi.)***	***573***	***880***
Investigation: No Further Action State ID Number: 3090				
FIRST & MAIN	***101 SW MAIN ST.***	***W 1/2 - 1 (0.922 mi.)***	***574***	***886***
Investigation: Listed on the CRL/Inventory State ID Number: 4085				
KRISHELL LABORATORIE	***1735 SE POWELL BLVD***	***SSE 1/2 - 1 (0.957 mi.)***	***581***	***986***
Investigation: Suspect State ID Number: 1297				
POPE & TALBOT - PORT	1500 SW 1ST AVE.	W 1/2 - 1 (0.967 mi.)	582	992
Investigation: No Further Action State ID Number: 1314				
AC HOTEL	***888 SW 3RD AVE.***	***WNW 1/2 - 1 (0.971 mi.)***	***583***	***995***
Investigation: Suspect State ID Number: 5979				
GULL INDUSTRIES, INC	***2831 SE GRAND***	***ESE 1/2 - 1 (0.973 mi.)***	***584***	***997***
Investigation: No Further Action State ID Number: 4018				

Lower Elevation	Address	Direction / Distance	Map ID	Page
OREGON BRASS WORKS	***1127 SOUTHEAST 10TH***	***NNE 0 - 1/8 (0.018 mi.)***	***C8***	***26***
Investigation: Listed on the CRL/Inventory State ID Number: 2550				
BRIGHT DAY COMMERCIA	***810 SE BELMONT ST***	***NNW 1/8 - 1/4 (0.164 mi.)***	***AC165***	***233***
Investigation: No Further Action State ID Number: 4977				
CONSOLIDATED ELEC. D	111-115 SE YAMHILL S	WNW 1/4 - 1/2 (0.402 mi.)	CH438	545
Investigation: No Further Action State ID Number: 5728				
NW CAST METAL PRODUC	79 SE TAYLOR ST.	WNW 1/4 - 1/2 (0.438 mi.)	DG478	573
Investigation: Suspect State ID Number: 1135				
ODOT-CENTRAL EASTSID	***SE WATER AVE BETWEEN***	***W 1/4 - 1/2 (0.442 mi.)***	***DH480***	***580***
Investigation: Suspect State ID Number: 5936				
PRATT & LARSON TILE	***1204-1216 SE WATER A***	***W 1/4 - 1/2 (0.445 mi.)***	***DH486***	***583***
Investigation: No Further Action State ID Number: 5919				
PORTLAND GENERAL ELE	***1510 SE WATER AVE***	***W 1/4 - 1/2 (0.446 mi.)***	***DK487***	***588***
Investigation: No Further Action State ID Number: 5779				
OMSI	***1701 SE WATER AVE***	***WSW 1/2 - 1 (0.501 mi.)***	***DT546***	***644***
Investigation: No Further Action State ID Number: 5547				
PGE - STATION L	***1841 SE WATER AVE.***	***WSW 1/2 - 1 (0.523 mi.)***	***547***	***648***
Investigation: Listed on the CRL/Inventory State ID Number: 151				
HOLMAN BUILDING	***49 SE CLAY ST.***	***WSW 1/2 - 1 (0.530 mi.)***	***DW548***	***661***

Investigation: No Further Action State ID Number: 4236				
PGE WILLAMETTE RIVER Investigation: Suspect State ID Number: 5249	***RIVER MILE 13.1 E TO***	***WSW 1/2 - 1 (0.567 mi.)***	***DW550***	***689***
DOWNTOWN PORTLAND SE Investigation: Suspect State ID Number: 4956	WILLAMETTE RIVER, FR	SW 1/2 - 1 (0.808 mi.)	564	799
PESTICIDE SPILL, I-5 Investigation: Suspect State ID Number: 334	***I-5 & I-84 INTERCHAN***	***NNW 1/2 - 1 (0.808 mi.)***	***565***	***800***
SOUTH WATERFRONT RED Investigation: Listed on the CRL/Inventory State ID Number: 4757	***SW RIVER DR***	***WSW 1/2 - 1 (0.854 mi.)***	***EA568***	***827***
SOUTH WATERFRONT LOT Investigation: Listed on the CRL/Inventory State ID Number: 4423	***SW RIVER PARKWAY***	***WSW 1/2 - 1 (0.881 mi.)***	***570***	***849***
SOUTH WATERFRONT RED Investigation: Listed on the CRL/Inventory State ID Number: 602	***SW RIVER DR.***	***WSW 1/2 - 1 (0.890 mi.)***	***EA571***	***858***
TRIMET WILLAMETTE RI Investigation: Suspect State ID Number: 5713	***SOUTH WATERFRONT DIS***	***SW 1/2 - 1 (0.891 mi.)***	***572***	***876***
INNVENTURES Investigation: No Further Action State ID Number: 2232	***2115 SW RIVER PARKWA***	***WSW 1/2 - 1 (0.925 mi.)***	***575***	***898***
SOUTH WATERFRONT RED Investigation: Listed on the CRL/Inventory State ID Number: 2492	***SW RIVER PKWY. & SW***	***WSW 1/2 - 1 (0.942 mi.)***	***EB576***	***916***
SOUTH WATERFRONT AT Investigation: Listed on the CRL/Inventory State ID Number: 4420	***SW RIVER DRIVE***	***WSW 1/2 - 1 (0.944 mi.)***	***EB577***	***950***
SOUTH WATERFRONT RIV Investigation: Listed on the CRL/Inventory State ID Number: 4424	***SW RIVER PARKWAY/SW***	***WSW 1/2 - 1 (0.947 mi.)***	***EC578***	***958***
SOUTH WATERFRONT AT Investigation: Listed on the CRL/Inventory State ID Number: 4421	***SW RIVER DRIVE AND S***	***WSW 1/2 - 1 (0.949 mi.)***	***EC579***	***968***
OAK TOWER REDEVELOPM Investigation: Listed on the CRL/Inventory State ID Number: 4416	***225 SW OAK ST.***	***WNW 1/2 - 1 (0.955 mi.)***	***580***	***976***
SW MOODY AVE. - RIGH Investigation: Suspect State ID Number: 1401	SW MOODY AVE.	SW 1/2 - 1 (0.989 mi.)	585	1002

State and tribal landfill and/or solid waste disposal site lists

OR SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environmental Quality's Closure & Regular Solid Waste Active Disposal Permits database.

A review of the OR SWF/LF list, as provided by EDR, and dated 10/21/2015 has revealed that there is 1 OR SWF/LF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OREGON RAIL HERITAGE Permit Status: Terminated Facility Id: 112181	SE DIVISION	SSW 1/4 - 1/2 (0.424 mi.)	460	563

State and tribal leaking storage tank lists

OR LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's LUST Database List.

A review of the OR LUST list, as provided by EDR, and dated 10/01/2015 has revealed that there are 291 OR LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HEATING OIL TANK Facility ID: 26-15-1002 Cleanup Complete: 09/22/2015	940 SE MADISON ST	S 0 - 1/8 (0.010 mi.)	A6	22
MOORE, DAVE Facility ID: 26-15-1366	1120 SE MADISON ST	ESE 0 - 1/8 (0.036 mi.)	E14	54
HEATING OIL TANK Facility ID: 26-14-0889 Cleanup Complete: 08/04/2014	811 SE MAIN ST	WNW 0 - 1/8 (0.049 mi.)	F16	55
BRADSHAWS SERVICE CE Facility ID: 26-93-0072 Cleanup Complete: 04/07/1994	***1025 SE HAWTHORNE***	***SSE 0 - 1/8 (0.049 mi.)***	***D22***	***59***
CARSON OIL CO INC Facility ID: 26-90-0440 Cleanup Complete: 01/02/1996	***1208 SE 8TH AVE***	***NW 0 - 1/8 (0.058 mi.)***	***I35***	***79***
CARSON OIL CO INC Facility ID: 26-14-0533 Cleanup Complete: 01/12/2015	***1208 SE 8TH AVE***	***NW 0 - 1/8 (0.058 mi.)***	***I37***	***80***
HEATING OIL TANK Facility ID: 26-12-1034 Cleanup Complete: 04/29/2014	1135 SE SALMON ST	NE 0 - 1/8 (0.072 mi.)	J47	103
BILLINGS & CRONN COM Facility ID: 26-91-0248 Cleanup Complete: 03/17/1995	***1535 SE 9TH AVE***	***SSW 0 - 1/8 (0.080 mi.)***	***G50***	***112***
HEATING OIL TANK	1310 SE 7TH AVENUE	W 0 - 1/8 (0.098 mi.)	O64	128

Facility ID: 26-98-0875 Cleanup Complete: 11/19/1998				
BOTTORF PROPERTY Facility ID: 26-11-0356	1212 SE HAWTHORNE BL	SE 0 - 1/8 (0.098 mi.)	N65	128
SPACE AGE FUELS Facility ID: 26-92-0208 Cleanup Complete: 12/22/2014	***1237 SE HAWTHORNE BL***	***ESE 0 - 1/8 (0.101 mi.)***	***N70***	***142***
HEATING OIL TANK Facility ID: 26-12-0590 Cleanup Complete: 09/21/2012	700 SE HAWTHORNE BLV	SW 0 - 1/8 (0.116 mi.)	R85	170
BROADWAY ELECTRIC IN Facility ID: 26-11-0036 Cleanup Complete: 04/25/2012	***626 SE MAIN***	***W 0 - 1/8 (0.117 mi.)***	***O87***	***170***
HEATING OIL TANK Facility ID: 26-06-0360 Cleanup Complete: 03/28/2007	1315 SE 13TH AVE UNI	E 0 - 1/8 (0.120 mi.)	T89	171
HEATING OIL TANK Facility ID: 26-91-0424 Cleanup Complete: 11/26/2004	1632 SE 11TH	SSE 0 - 1/8 (0.122 mi.)	S92	176
LADD'S GAS & FOOD Facility ID: 26-92-0288	***1525 SE LADD AVE***	***SE 0 - 1/8 (0.123 mi.)***	***V96***	***178***
SWEET HOME DIVISION Facility ID: 26-06-1577 Cleanup Complete: 12/05/2006	***1524 SE LADD AVE***	***SE 0 - 1/8 (0.125 mi.)***	***V100***	***189***
HEATING OIL TANK Facility ID: 26-92-0157 Cleanup Complete: 07/12/1993	1309 SE HAWTHORNE	ESE 1/8 - 1/4 (0.125 mi.)	N104	195
HEATING OIL TANK Facility ID: 26-03-1141 Cleanup Complete: 07/10/2003	1304 SE MADISON STRE	ESE 1/8 - 1/4 (0.127 mi.)	T105	196
HEATING OIL TANK Facility ID: 26-06-0081 Cleanup Complete: 04/04/2006	1304 SE MAIN ST	E 1/8 - 1/4 (0.127 mi.)	T106	196
HEATING OIL TANK Facility ID: 26-06-0137 Cleanup Complete: 03/30/2006	1306 SE MAIN ST	E 1/8 - 1/4 (0.128 mi.)	T107	196
SIVERS INVESTMENT PR Facility ID: 26-12-0910 Facility ID: 26-90-0186 Cleanup Complete: 03/12/1992	***1630 SE 8TH AVE***	***SSW 1/8 - 1/4 (0.130 mi.)***	***U108***	***196***
HEATING OIL TANK Facility ID: 26-10-1133 Cleanup Complete: 03/25/2011	1306 SE SALMON ST	ENE 1/8 - 1/4 (0.137 mi.)	114	199
HEATING OIL TANK Facility ID: 26-07-1806 Cleanup Complete: 03/06/2008	1007 SE 12TH AVE	NE 1/8 - 1/4 (0.139 mi.)	Y117	199
LADD INN TAVERN Facility ID: 26-08-0037 Cleanup Complete: 10/28/2008	1204 SE CLAY ST	SE 1/8 - 1/4 (0.141 mi.)	V118	200
HEATING OIL TANK	1020 SE 7TH	NW 1/8 - 1/4 (0.143 mi.)	W122	205

Facility ID: 26-92-0072				
HEATING OIL TANK Facility ID: 26-12-0110 Cleanup Complete: 08/01/2012	1540 SE LADD AVE	SE 1/8 - 1/4 (0.145 mi.)	V126	209
HEATING OIL TANK Facility ID: 26-13-0606 Cleanup Complete: 05/28/2013	700 SE CLAY ST	SW 1/8 - 1/4 (0.146 mi.)	AB128	210
GARDNER & RANCHERS P Facility ID: 26-02-0032 Cleanup Complete: 03/22/2005	1004-1036 SE BELMONT	N 1/8 - 1/4 (0.150 mi.)	AF136	216
HEATING OIL TANK Facility ID: 26-15-0150 Cleanup Complete: 05/12/2015	731 SE YAMHILL ST	NNW 1/8 - 1/4 (0.150 mi.)	AC139	221
HEATING OIL TANK Facility ID: 26-93-6011 Cleanup Complete: 06/08/1993	601 SE MADISON	W 1/8 - 1/4 (0.152 mi.)	Z145	223
HEATING OIL TANK Facility ID: 26-05-2578 Cleanup Complete: 01/19/2006	602 SE SALMON ST	WNW 1/8 - 1/4 (0.152 mi.)	AG146	223
PACIFIC TOWN AND CAR Facility ID: 26-94-0125 Cleanup Complete: 06/21/2004	1750 SE 9TH AVE	S 1/8 - 1/4 (0.155 mi.)	AE148	224
HEATING OIL TANK Facility ID: 26-03-0665 Cleanup Complete: 06/06/2003	1549 SE LADD AVENUE	SE 1/8 - 1/4 (0.157 mi.)	V151	229
RTC Facility ID: 26-92-0325 Cleanup Complete: 08/28/1996	601 SE HAWTHORNE	WSW 1/8 - 1/4 (0.160 mi.)	Z159	231
OR FLOWER GROWERS AS Facility ID: 26-91-0439 Cleanup Complete: 11/28/1991	***1106 SE 6TH AVE***	***WNW 1/8 - 1/4 (0.160 mi.)***	***AG161***	***232***
HEATING OIL TANK Facility ID: 26-91-0460 Cleanup Complete: 12/23/1991	1105 SE 6TH	WNW 1/8 - 1/4 (0.173 mi.)	AI176	249
HEATING OIL TANK Facility ID: 26-97-0462	1404 SE MADISON STRE	E 1/8 - 1/4 (0.175 mi.)	AK179	249
HEATING OIL TANK Facility ID: 26-03-1725 Cleanup Complete: 12/17/2003	928-940 SE 7TH	NNW 1/8 - 1/4 (0.177 mi.)	AC181	250
HEATING OIL TANK Facility ID: 26-01-6599 Cleanup Complete: 03/08/2002	1513 SE MAPLE	ESE 1/8 - 1/4 (0.178 mi.)	AA184	261
PERRIN PROPERTY Facility ID: 26-04-0243 Cleanup Complete: 03/09/2004	931 SE 7TH AVE	NNW 1/8 - 1/4 (0.178 mi.)	AM185	261
HEATING OIL TANK Facility ID: 26-02-1224 Cleanup Complete: 01/14/2003	630 SE YAMHILL STREE	NW 1/8 - 1/4 (0.185 mi.)	AM194	268
HEATING OIL TANK	1620 SE LADD AVE	SE 1/8 - 1/4 (0.188 mi.)	AN200	275

Facility ID: 26-13-0843 Cleanup Complete: 10/16/2013				
HEATING OIL TANK Facility ID: 26-03-1361 Cleanup Complete: 09/05/2003	1413 SE SALMON	ENE 1/8 - 1/4 (0.188 mi.)	AP204	276
HEATING OIL TANK Facility ID: 26-01-5803 Cleanup Complete: 08/23/2001	1737 SE 12TH AVE	SSE 1/8 - 1/4 (0.190 mi.)	AH208	278
HEATING OIL TANK Facility ID: 26-02-5295 Cleanup Complete: 04/25/2006	1224 SE BELMONT	NNE 1/8 - 1/4 (0.190 mi.)	AJ209	278
HEATING OIL TANK Facility ID: 26-14-1456 Cleanup Complete: 08/19/2015	1318 SE YAMHILL ST	NE 1/8 - 1/4 (0.191 mi.)	AR211	279
JERRY HERING Facility ID: 26-12-0791 Cleanup Complete: 09/05/2012	1426 SE HAWTHORNE BO	ESE 1/8 - 1/4 (0.192 mi.)	AT215	281
HEATING OIL TANK Facility ID: 26-02-1459 Cleanup Complete: 02/13/2003	1529 SE MAPLE AVENUE	ESE 1/8 - 1/4 (0.193 mi.)	AT218	281
HEATING OIL TANK Facility ID: 26-08-0300 Cleanup Complete: 04/17/2008	1638 SE LADD AVE	SE 1/8 - 1/4 (0.196 mi.)	AN225	286
HEATING OIL TANK Facility ID: 26-14-0693 Cleanup Complete: 09/16/2014	***1435 SE HAWTHORNE BL***	***ESE 1/8 - 1/4 (0.196 mi.)***	***AK226***	***287***
HEATING OIL TANK Facility ID: 26-07-0894 Cleanup Complete: 10/08/2007	1644 SE LADD AVE	SE 1/8 - 1/4 (0.198 mi.)	AN228	287
HEATING OIL TANK Facility ID: 26-00-0706 Cleanup Complete: 05/31/2000	1435 SE SALMON ST.	ENE 1/8 - 1/4 (0.198 mi.)	AP229	288
PEPPER BOX CAFE Facility ID: 26-15-1296	932-940 SE MORRISON	N 1/8 - 1/4 (0.199 mi.)	AV230	288
MULTNOMAH COUNTY Facility ID: 26-97-0232 Cleanup Complete: 01/31/2001	***1040 SE MORRISON ST***	***N 1/8 - 1/4 (0.201 mi.)***	***AX235***	***290***
HEATING OIL TANK Facility ID: 26-04-1852 Cleanup Complete: 07/13/2005	1541 SE MAPLE AVE	ESE 1/8 - 1/4 (0.205 mi.)	AT240	291
HEATING OIL TANK Facility ID: 26-02-0518	1414 SE TAYLOR	ENE 1/8 - 1/4 (0.206 mi.)	AP241	291
HEATING OIL TANK Facility ID: 26-02-0573 Cleanup Complete: 03/18/2003	923 SE 13TH AVE	NE 1/8 - 1/4 (0.206 mi.)	AR242	292
SURBURBIA STUDIOS Facility ID: 26-08-1342 Cleanup Complete: 10/29/2010	***632 SE MARKET ST***	***SW 1/8 - 1/4 (0.207 mi.)***	***AO247***	***296***
HEATING OIL TANK	1035 SE 14 AVE	ENE 1/8 - 1/4 (0.208 mi.)	AR249	297

Facility ID: 26-04-2280 Cleanup Complete: 04/29/2005				
BERNSTEIN BROTHERS, Facility ID: 26-91-0267 Cleanup Complete: 07/10/1996	***1120 SE MORRISON ST***	***NNE 1/8 - 1/4 (0.209 mi.)***	***AJ251***	***313***
HEATING OIL TANK Facility ID: 26-05-0593 Cleanup Complete: 06/08/2005	1415 SE TAYLOR ST	ENE 1/8 - 1/4 (0.210 mi.)	BA252	314
MERCHANTS MOTORCYCLE Facility ID: 26-92-0230 Cleanup Complete: 05/28/1997	***1810 SE 10TH***	***S 1/8 - 1/4 (0.214 mi.)***	***BB259***	***328***
HEATING OIL TANK Facility ID: 26-01-5196 Cleanup Complete: 03/09/2001	1436 SE TAYLOR ST	ENE 1/8 - 1/4 (0.215 mi.)	AP260	329
HEATING OIL TANK Facility ID: 26-07-1838 Cleanup Complete: 03/14/2008	***1117 SE MORRISON ST***	***NNE 1/8 - 1/4 (0.216 mi.)***	***AX261***	***330***
HEATING OIL TANK Facility ID: 26-04-1235 Cleanup Complete: 08/27/2004	1337 SE 15TH AVENUE	E 1/8 - 1/4 (0.217 mi.)	AK263	330
HEATING OIL TANK Facility ID: 26-01-5327 Cleanup Complete: 06/04/2001	1413 SE 15TH AVE	ESE 1/8 - 1/4 (0.219 mi.)	AK267	332
HEATING OIL TANK Facility ID: 26-15-0949	1014 SE 14TH AVE	ENE 1/8 - 1/4 (0.219 mi.)	BA268	332
HEATING OIL TANK Facility ID: 26-02-0153 Cleanup Complete: 11/26/2002	900 SE 13TH AVE	NE 1/8 - 1/4 (0.219 mi.)	AW269	332
HEATING OIL TANK Facility ID: 26-07-0845 Cleanup Complete: 11/05/2007	1556 SE MAPLE AVE	ESE 1/8 - 1/4 (0.224 mi.)	BE278	334
POWELL DISTRIBUTING Facility ID: 26-07-1034	***734 SE MORRISON***	***NNW 1/8 - 1/4 (0.224 mi.)***	***BC279***	***335***
HEATING OIL TANK Facility ID: 26-06-2041 Cleanup Complete: 01/26/2007	1200 SE MORRISON ST	NNE 1/8 - 1/4 (0.224 mi.)	AW281	335
HEATING OIL TANK Facility ID: 26-96-0195 Cleanup Complete: 05/29/1996	1504 SE MADISON	E 1/8 - 1/4 (0.225 mi.)	BG282	336
HEATING OIL TANK Facility ID: 26-05-1211 Cleanup Complete: 04/06/2006	1816 SE 12TH AVE	SSE 1/8 - 1/4 (0.225 mi.)	BD283	336
HEATING OIL TANK Facility ID: 26-97-0307 Cleanup Complete: 09/11/1997	1825 SE 12TH AVENUE	SSE 1/8 - 1/4 (0.226 mi.)	BD284	336
HEATING OIL TANK Facility ID: 26-99-1294 Cleanup Complete: 05/23/2000	1719 SE LADD AVE	SE 1/8 - 1/4 (0.228 mi.)	AN289	337
HEATING OIL TANK	1512 SE MADISON ST	E 1/8 - 1/4 (0.228 mi.)	BG290	338

Facility ID: 26-01-5678 Cleanup Complete: 07/10/2001				
HEATING OIL TANK Facility ID: 26-98-0076	1727 SE LADD AVENUE	SE 1/8 - 1/4 (0.231 mi.)	AN293	338
HEATING OIL TANK Facility ID: 26-02-1278 Cleanup Complete: 06/10/2003	1507 SE SALMON STREE	ENE 1/8 - 1/4 (0.233 mi.)	298	341
HEATING OIL TANK Facility ID: 26-99-0781 Cleanup Complete: 08/30/2013	1807 SE 7TH AVE	SSW 1/8 - 1/4 (0.236 mi.)	BJ307	354
HEATING OIL TANK Facility ID: 26-05-0134 Cleanup Complete: 03/24/2005	1533 SE MAIN ST	E 1/8 - 1/4 (0.238 mi.)	BK309	355
BROWN OLDSMOBILE CO. Facility ID: 26-89-0174 Cleanup Complete: 03/11/1992	***1005 SE GRAND AVE***	***NW 1/8 - 1/4 (0.240 mi.)***	***BI314***	***357***
HEATING OIL TANK Facility ID: 26-01-5153 Cleanup Complete: 03/22/2001	1509 SE HOLLY ST	ESE 1/8 - 1/4 (0.244 mi.)	BE318	358
HEATING OIL TANK Facility ID: 26-10-0577 Cleanup Complete: 08/16/2010	1818 SE MULBERRY AVE	SE 1/8 - 1/4 (0.245 mi.)	BD319	358
HEATING OIL TANK Facility ID: 26-02-5992 Cleanup Complete: 09/25/2002	1829 SE MULBERRY AVE	SE 1/8 - 1/4 (0.249 mi.)	BD320	358
HEATING OIL TANK Facility ID: 26-06-1497 Cleanup Complete: 04/16/2007	1517 SE HOLLY ST	ESE 1/8 - 1/4 (0.249 mi.)	BE321	359
MERCHANTS-TRUCK BODY Facility ID: 26-88-0091 Cleanup Complete: 11/15/1988	1906 SE TENTH	S 1/4 - 1/2 (0.255 mi.)	BB322	359
HEATING OIL TANK Facility ID: 26-12-0548 Cleanup Complete: 04/23/2013	1010 SE 15 TH AVE	ENE 1/4 - 1/2 (0.260 mi.)	323	359
HEATING OIL TANK Facility ID: 26-04-0269 Cleanup Complete: 04/08/2004	1544 SE HAWTHORNE BL	ESE 1/4 - 1/2 (0.262 mi.)	325	362
HEATING OIL TANK Facility ID: 26-05-0382 Cleanup Complete: 04/28/2010	1543 SE HOLLY ST	ESE 1/4 - 1/2 (0.266 mi.)	BE327	367
HEATING OIL TANK Facility ID: 26-13-0671 Cleanup Complete: 07/09/2013	1407 SE 16TH	E 1/4 - 1/2 (0.267 mi.)	BG328	367
HEATING OIL TANK Facility ID: 26-15-0488	1335 SE MORRISON ST	NE 1/4 - 1/2 (0.268 mi.)	329	367
MIRACLE AUTO PAINTIN Facility ID: 26-92-0356 Cleanup Complete: 12/29/1993	1800 MARTIN LUTHER K	SW 1/4 - 1/2 (0.268 mi.)	BL330	368
GOODWILL IND OF THE	***1831 SE 6TH AVE***	***SW 1/4 - 1/2 (0.269 mi.)***	***BL331***	***368***

Facility ID: 26-90-0459 Cleanup Complete: 12/03/1990				
HEATING OIL TANK Facility ID: 26-00-5314 Cleanup Complete: 11/13/2000	1912 SE 12TH AVENUE	SSE 1/4 - 1/2 (0.270 mi.)	BN332	368
HEATING OIL TANK Facility ID: 26-00-5316 Cleanup Complete: 11/13/2000	1918 SE 12TH AVENUE	SSE 1/4 - 1/2 (0.273 mi.)	BN333	369
HEATING OIL TANK Facility ID: 26-09-0255 Cleanup Complete: 06/02/2009	1442 SE PALM ST	SE 1/4 - 1/2 (0.276 mi.)	BO334	369
HEATING OIL TANK Facility ID: 26-12-0455 Cleanup Complete: 10/16/2012	1925 SE LARCH AVE	SSE 1/4 - 1/2 (0.280 mi.)	BP336	373
HEATING OIL TANK Facility ID: 26-98-1014 Cleanup Complete: 02/08/2000	1623 SE MAIN	E 1/4 - 1/2 (0.283 mi.)	BK337	373
HEATING OIL TANK Facility ID: 26-12-0340 Cleanup Complete: 06/20/2012	1818 SE LADD AVE	SE 1/4 - 1/2 (0.283 mi.)	BO338	374
HEATING OIL TANK Facility ID: 26-94-6003 Cleanup Complete: 02/08/1999	LOT 3 BLOCK 66	SSW 1/4 - 1/2 (0.284 mi.)	BQ339	374
HEATING OIL TANK Facility ID: 26-97-0953 Cleanup Complete: 10/18/2001	1931 SE LARCH	SSE 1/4 - 1/2 (0.284 mi.)	BP340	374
HEATING OIL TANK Facility ID: 26-03-2568	934 SE 15TH AVENUE	NE 1/4 - 1/2 (0.286 mi.)	BR341	374
HEATING OIL TANK Facility ID: 26-95-0019 Cleanup Complete: 02/19/1997	***1943 SE 6TH***	***SSW 1/4 - 1/2 (0.287 mi.)***	***BL342***	***375***
HEATING OIL TANK Facility ID: 26-00-5720 Cleanup Complete: 11/20/2000	926 SE 15TH AVE	NE 1/4 - 1/2 (0.289 mi.)	BR343	375
HEATING OIL TANK Facility ID: 26-00-5563 Cleanup Complete: 11/02/2000	1126 SE 16TH AVE	ENE 1/4 - 1/2 (0.289 mi.)	BS344	376
ROBERTSON FAMILY ENT Facility ID: 26-91-0051 Cleanup Complete: 10/07/1996	***1801 SE GRAND AVE***	***SW 1/4 - 1/2 (0.289 mi.)***	***BM345***	***376***
HEATING OIL TANK Facility ID: 26-14-0706 Cleanup Complete: 11/17/2014	1939 SE LARCH AVE	SSE 1/4 - 1/2 (0.290 mi.)	BP346	376
HEATING OIL TANK Facility ID: 26-13-0107 Cleanup Complete: 01/22/2014	1829-1831 SE LADD AV	SE 1/4 - 1/2 (0.291 mi.)	BT347	377
HEATING OIL TANK Facility ID: 26-00-5553 Cleanup Complete: 09/07/2000	307 SE HAWTHORNE	WSW 1/4 - 1/2 (0.291 mi.)	348	377
HEATING OIL TANK	1828 SE LADD AVENUE	SE 1/4 - 1/2 (0.291 mi.)	BO349	377

Facility ID: 26-03-0044 Cleanup Complete: 04/03/2003				
HEATING OIL TANK Facility ID: 26-03-2160 Cleanup Complete: 12/18/2007	519-535 SE MORRISON	NW 1/4 - 1/2 (0.296 mi.)	350	377
HEATING OIL TANK Facility ID: 26-10-1110 Cleanup Complete: 02/08/2011	1950 SE LARCH	SSE 1/4 - 1/2 (0.301 mi.)	BP351	378
HEATING OIL TANK Facility ID: 26-07-0055 Cleanup Complete: 05/17/2007	1959 SE LARCH AVE	SSE 1/4 - 1/2 (0.303 mi.)	BP352	378
LEWIS BROS MEATS Facility ID: 26-92-0038 Cleanup Complete: 06/09/1992	***1005 SE WASHINGTON S***	***N 1/4 - 1/2 (0.304 mi.)***	***353***	***378***
HEATING OIL TANK Facility ID: 26-07-1794 Cleanup Complete: 03/11/2008	1636 SE TAYLOR ST	ENE 1/4 - 1/2 (0.306 mi.)	BS354	379
HEATING OIL TANK Facility ID: 26-05-1686 Cleanup Complete: 10/12/2005	1525 SE BELMONT ST	NE 1/4 - 1/2 (0.308 mi.)	BR355	379
HEATING OIL TANK Facility ID: 26-95-0338 Cleanup Complete: 10/17/2005	1024 SE 16TH	ENE 1/4 - 1/2 (0.308 mi.)	356	379
7TH & ALDER CARDLOCK Facility ID: 26-06-0758 Facility ID: 26-97-0521 Cleanup Complete: 08/25/2011 Cleanup Complete: 06/04/1999	***635 SE 7TH***	***NNW 1/4 - 1/2 (0.311 mi.)***	***357***	***379***
HEATING OIL TANK Facility ID: 26-14-0220	2014 SE 11TH AVE	SSE 1/4 - 1/2 (0.312 mi.)	358	382
HEATING OIL TANK Facility ID: 26-14-1571 Cleanup Complete: 01/21/2015	2010 SE 8TH AVE	SSW 1/4 - 1/2 (0.312 mi.)	BQ359	383
HEATING OIL TANK Facility ID: 26-13-0636 Cleanup Complete: 01/07/2014	1606 SE HOLLY ST	ESE 1/4 - 1/2 (0.312 mi.)	BU360	383
HEATING OIL TANK Facility ID: 26-09-0268 Cleanup Complete: 10/02/2009	1615 SE HOLLY	ESE 1/4 - 1/2 (0.315 mi.)	BU361	383
HEATING OIL TANK Facility ID: 26-10-0039 Cleanup Complete: 12/09/2010	1861 SE LADD AVE	SE 1/4 - 1/2 (0.315 mi.)	BT362	383
HEATING OIL TANK Facility ID: 26-07-0575 Cleanup Complete: 09/12/2007	1625 SE HOLLY ST	ESE 1/4 - 1/2 (0.321 mi.)	BU363	384
HEATING OIL TANK Facility ID: 26-11-0425 Cleanup Complete: 09/28/2011	1753 SE MAPLE ST	SE 1/4 - 1/2 (0.326 mi.)	364	384
HEATING OIL TANK	1630 SE HOLLY STREET	ESE 1/4 - 1/2 (0.328 mi.)	BU365	384

Facility ID: 26-03-1861 Cleanup Complete: 12/29/2003				
HEATING OIL TANK Facility ID: 26-07-0471 Cleanup Complete: 10/23/2007	1718 SE 16TH AVE	ESE 1/4 - 1/2 (0.328 mi.)	BU366	384
THOEN TRUCK RENTALS Facility ID: 26-90-0257 Cleanup Complete: 08/08/1990	***526 SE 9TH***	***N 1/4 - 1/2 (0.329 mi.)***	***367***	***385***
HEATING OIL TANK Facility ID: 26-01-5222 Cleanup Complete: 09/05/2001	1717 SE MAIN ST	E 1/4 - 1/2 (0.329 mi.)	BV368	385
HEATING OIL TANK Facility ID: 26-07-1033 Cleanup Complete: 10/23/2007	1511 SE MORRISON ST	NE 1/4 - 1/2 (0.330 mi.)	BW369	385
HEATING OIL TANK Facility ID: 26-10-0184 Cleanup Complete: 03/23/2010	1301 SE HARRISON	SSE 1/4 - 1/2 (0.331 mi.)	BX370	386
HEATING OIL TANK Facility ID: 26-13-0928 Cleanup Complete: 07/29/2014	907 SE 16TH AVE	ENE 1/4 - 1/2 (0.331 mi.)	BR371	386
HEATING OIL TANK Facility ID: 26-00-0493 Cleanup Complete: 05/31/2000	1727 SE MADISON STRE	E 1/4 - 1/2 (0.333 mi.)	372	386
HEATING OIL TANK Facility ID: 26-00-6298 Cleanup Complete: 01/30/2001	2003 SE LARCH AVE	SSE 1/4 - 1/2 (0.335 mi.)	BX373	386
LADD'S ADDITION APAR Facility ID: 26-15-0009 Cleanup Complete: 02/04/2015	***2014 SE 12TH AVE***	***SSE 1/4 - 1/2 (0.336 mi.)***	***BY375***	***387***
HEATING OIL TANK Facility ID: 26-13-1267 Cleanup Complete: 08/13/2014	2039 SE 7TH AVE	SSW 1/4 - 1/2 (0.337 mi.)	BZ376	394
HEATING OIL TANK Facility ID: 26-13-0152 Cleanup Complete: 07/30/2013	1734 SE MAIN ST	E 1/4 - 1/2 (0.337 mi.)	BV377	395
HEATING OIL TANK Facility ID: 26-05-0380 Cleanup Complete: 06/02/2005	1311 SE HARRISON ST	SSE 1/4 - 1/2 (0.338 mi.)	BX378	395
HEATING OIL TANK Facility ID: 26-13-0142 Cleanup Complete: 03/06/2013	1537 SE MORRISON ST	NE 1/4 - 1/2 (0.340 mi.)	BW379	395
HEATING OIL TANK Facility ID: 26-99-1000 Cleanup Complete: 12/28/1999	1315 SE HARRISON	SSE 1/4 - 1/2 (0.341 mi.)	BX380	395
HEATING OIL TANK Facility ID: 26-12-0290 Cleanup Complete: 07/10/2012	2021 SE LARCH AVE	SSE 1/4 - 1/2 (0.342 mi.)	BX381	396
NOR-AIR BUILDING Facility ID: 26-91-0097	***933 SE 3RD ST***	***WNW 1/4 - 1/2 (0.343 mi.)***	***382***	***396***

Cleanup Complete: 03/05/1992				
FASPEC BRITISH PARTS Facility ID: 26-06-2051 Cleanup Complete: 08/26/2008	***1036 SE STARK ST***	***N 1/4 - 1/2 (0.344 mi.)***	***383***	***396***
HEATING OIL TANK Facility ID: 26-08-1378 Cleanup Complete: 12/08/2008	1661 SE HOLLY ST	ESE 1/4 - 1/2 (0.344 mi.)	BU384	397
HEATING OIL TANK Facility ID: 26-98-0033 Cleanup Complete: 02/04/2000	1300 SE 2ND AVENUE	W 1/4 - 1/2 (0.347 mi.)	CB387	424
HEATING OIL TANK Facility ID: 26-13-1362	819 SE 16TH AVE	NE 1/4 - 1/2 (0.349 mi.)	CC388	424
HEATING OIL TANK Facility ID: 26-03-2457 Cleanup Complete: 01/08/2004	1730 SE TAYLOR STREE	ENE 1/4 - 1/2 (0.350 mi.)	389	424
HEATING OIL TANK Facility ID: 26-89-0324 Cleanup Complete: 01/15/1990	2100 SE 10TH	S 1/4 - 1/2 (0.350 mi.)	CD390	425
HEATING OIL TANK Facility ID: 26-13-0549 Cleanup Complete: 08/07/2013	1982 SE MULBERRY	SE 1/4 - 1/2 (0.351 mi.)	CE391	425
HEATING OIL TANK Facility ID: 26-15-1353	2038 SE 12TH AVE	SSE 1/4 - 1/2 (0.351 mi.)	BY392	425
LIM'S REFRIGERATION Facility ID: 26-10-0511 Cleanup Complete: 12/15/2011	***930 SE LINCOLN ST***	***S 1/4 - 1/2 (0.353 mi.)***	***CD393***	***425***
HEATING OIL TANK Facility ID: 26-99-0344	1911 SE LADD CIRCLE	SE 1/4 - 1/2 (0.354 mi.)	CF394	426
HEATING OIL TANK Facility ID: 26-98-0890 Cleanup Complete: 08/15/2001	824 SE 16TH	NE 1/4 - 1/2 (0.354 mi.)	CC395	426
HEATING OIL TANK Facility ID: 26-04-1312 Cleanup Complete: 07/30/2004	1990 SE MULBERRY AVE	SE 1/4 - 1/2 (0.358 mi.)	CE396	426
HEATING OIL TANK Facility ID: 26-95-0342 Cleanup Complete: 02/21/1996	201 SE CLAY	WSW 1/4 - 1/2 (0.361 mi.)	CA397	427
HEATING OIL TANK Facility ID: 26-08-0459	SE HARRISON ST AND S	SW 1/4 - 1/2 (0.362 mi.)	398	427
HEATING OIL TANK Facility ID: 26-01-5709 Cleanup Complete: 08/27/2001	1925 SE LADD	SE 1/4 - 1/2 (0.365 mi.)	CF399	427
BOB NAGEL DIST CO IN Facility ID: 26-88-0125 Cleanup Complete: 10/06/2003	***2101 SE 7TH AVE***	***SSW 1/4 - 1/2 (0.367 mi.)***	***BZ400***	***427***
JACKSON FOOD STORES Facility ID: 26-07-1251 Cleanup Complete: 07/24/2009	***621 SE GRAND AVE***	***NNW 1/4 - 1/2 (0.367 mi.)***	***CG401***	***428***
HEATING OIL TANK	202 SE YAMHILL	WNW 1/4 - 1/2 (0.368 mi.)	CH402	428

Facility ID: 26-96-0255 Cleanup Complete: 05/29/1996				
HEATING OIL TANK Facility ID: 26-99-0721 Cleanup Complete: 08/10/1999	1425 SE HARRISON ST	SE 1/4 - 1/2 (0.368 mi.)	CE403	429
HEATING OIL TANK Facility ID: 26-02-5648 Cleanup Complete: 06/17/2002	820 SE SANDY BLVD	N 1/4 - 1/2 (0.370 mi.)	CI404	429
HEATING OIL TANK Facility ID: 26-11-1180 Cleanup Complete: 12/17/2012	2004 SE SPRUCE AVE	SE 1/4 - 1/2 (0.371 mi.)	CE405	429
HEATING OIL TANK Facility ID: 26-14-1242	2124 SE 11TH AVE	S 1/4 - 1/2 (0.371 mi.)	406	429
HEATING OIL TANK Facility ID: 26-08-1374 Cleanup Complete: 01/27/2009	1808 SE MAIN ST	E 1/4 - 1/2 (0.374 mi.)	BV407	430
HEATING OIL TANK Facility ID: 26-01-8557	1216 SE 18TH	E 1/4 - 1/2 (0.375 mi.)	408	430
HEATING OIL TANK Facility ID: 26-96-0637 Cleanup Complete: 02/13/2001	1938 SE LADD	SE 1/4 - 1/2 (0.375 mi.)	CF409	430
HEATING OIL TANK Facility ID: 26-03-0053 Cleanup Complete: 05/08/2003	2136 SE 8TH AVE	S 1/4 - 1/2 (0.377 mi.)	CJ410	430
HEATING OIL TANK Facility ID: 26-14-1059	1635 SE MORRISON STR	NE 1/4 - 1/2 (0.380 mi.)	CC412	431
HEATING OIL TANK Facility ID: 26-06-0885	626 SE STARK ST	NNW 1/4 - 1/2 (0.381 mi.)	CK413	431
CHILD SERVICE CENTER Facility ID: 26-91-0285 Cleanup Complete: 11/01/2000	***531 SE 14TH AVE***	***NNE 1/4 - 1/2 (0.384 mi.)***	***CL414***	***431***
HEATING OIL TANK Facility ID: 26-00-6193 Cleanup Complete: 02/14/2001	2128 SE 12TH AVE	SSE 1/4 - 1/2 (0.384 mi.)	CM415	432
HEATING OIL TANK Facility ID: 26-02-5102 Cleanup Complete: 04/04/2002	1831 SE MADISON ST	E 1/4 - 1/2 (0.384 mi.)	CN416	432
HEATING OIL TANK Facility ID: 26-00-5254 Cleanup Complete: 11/07/2000	1716 SE BELMONT	ENE 1/4 - 1/2 (0.385 mi.)	CO417	432
HEATING OIL TANK Facility ID: 26-08-0435 Cleanup Complete: 07/09/2008	1550 SE POPLAR	ESE 1/4 - 1/2 (0.385 mi.)	CP418	433
HEATING OIL TANK Facility ID: 26-10-0599 Cleanup Complete: 12/09/2010	2058 SE SPRUCE AVE	SSE 1/4 - 1/2 (0.385 mi.)	419	433
HEATING OIL TANK Facility ID: 26-05-1399 Cleanup Complete: 09/29/2005	602 SE 15TH AVE	NE 1/4 - 1/2 (0.385 mi.)	CQ420	433
HEATING OIL TANK	1718 SE BELMONT	ENE 1/4 - 1/2 (0.385 mi.)	CO421	433

Facility ID: 26-00-5263 Cleanup Complete: 09/26/2000				
HEATING OIL TANK Facility ID: 26-05-2381 Facility ID: 26-09-1147 Cleanup Complete: 12/11/2006 Cleanup Complete: 05/04/2010	600 SE STARK ST	NNW 1/4 - 1/2 (0.386 mi.)	CK422	434
HEATING OIL TANK Facility ID: 26-03-0489 Cleanup Complete: 07/10/2003	1834 SE MADISON AVEN	E 1/4 - 1/2 (0.387 mi.)	CN423	434
ACTION TECHNOLOGY SY Facility ID: 26-98-0158 Cleanup Complete: 01/14/1999	***835 SE 17TH AVENUE***	***ENE 1/4 - 1/2 (0.390 mi.)***	***CO424***	***434***
EAST SIDE PLATING WO Facility ID: 26-98-0123 Cleanup Complete: 03/28/2000	***310 SE STEPHENS***	***SW 1/4 - 1/2 (0.390 mi.)***	***425***	***435***
HEATING OIL TANK Facility ID: 26-12-0306 Facility ID: 26-12-0362 Cleanup Complete: 06/19/2012 Cleanup Complete: 05/16/2012	111 SE MADISON ST	W 1/4 - 1/2 (0.392 mi.)	CR426	482
MR CAR WASH Facility ID: 26-13-0136	***510 SE GRAND AVE***	***NNW 1/4 - 1/2 (0.394 mi.)***	***CG427***	***483***
MR. CAR WASH, LLC Facility ID: 26-91-0197 Cleanup Complete: 03/05/1992	***510 SE GRAND AVE***	***NNW 1/4 - 1/2 (0.394 mi.)***	***CG428***	***488***
HEATING OIL TANK Facility ID: 26-10-0409 Cleanup Complete: 10/18/2010	925 SE GRANT ST	S 1/4 - 1/2 (0.395 mi.)	CS429	489
HEATING OIL TANK Facility ID: 26-03-0322 Cleanup Complete: 04/04/2003	1742 SE BELMONT STRE	ENE 1/4 - 1/2 (0.395 mi.)	CO430	489
HEATING OIL TANK Facility ID: 26-04-0206 Cleanup Complete: 05/19/2004	1824 SE TAYLOR STREE	ENE 1/4 - 1/2 (0.396 mi.)	431	489
HEATING OIL TANK Facility ID: 26-03-2347 Cleanup Complete: 02/23/2004	926 SE OAK STREET	N 1/4 - 1/2 (0.396 mi.)	CT432	490
SPEEDS AUTOMOTIVE Facility ID: 26-97-0486 Cleanup Complete: 11/18/1999	***120 SE CLAY ST***	***WSW 1/4 - 1/2 (0.396 mi.)***	***433***	***490***
HEATING OIL TANK Facility ID: 26-03-2083 Cleanup Complete: 11/26/2003	1524 SE POPLAR AVENU	ESE 1/4 - 1/2 (0.397 mi.)	CP434	490
HEATING OIL TANK Facility ID: 26-08-1184 Cleanup Complete: 02/27/2009	1518 SE POPLAR AVE	ESE 1/4 - 1/2 (0.400 mi.)	CP435	491
HEATING OIL TANK Facility ID: 26-03-2381	525 SE 15TH AVE	NE 1/4 - 1/2 (0.401 mi.)	CQ437	545

Cleanup Complete: 05/19/2004				
PIERRE'S FRENCH BAKE Facility ID: 26-90-0453 Cleanup Complete: 06/24/1996	***1011 SE OAK ST***	***N 1/4 - 1/2 (0.403 mi.)***	***CT440***	***553***
REFRIGERATION SUPPLI Facility ID: 26-95-0350 Cleanup Complete: 04/10/1996	***740 SE OAK STREET***	***N 1/4 - 1/2 (0.405 mi.)***	***CI441***	***554***
EXLEY TRUCKING Facility ID: 26-88-0089 Cleanup Complete: 01/09/1989	2204 SE EIGHTH	S 1/4 - 1/2 (0.406 mi.)	CJ442	554
HEATING OIL TANK Facility ID: 26-06-0499	2220 SE SPRUCE	S 1/4 - 1/2 (0.408 mi.)	CS443	554
HEATING OIL TANK Facility ID: 26-00-0248 Cleanup Complete: 05/24/2000	1969 SE LADD CIRCLE	SE 1/4 - 1/2 (0.409 mi.)	CU444	555
HEATING OIL TANK Facility ID: 26-99-0382	1705 SE MORRISON	NE 1/4 - 1/2 (0.409 mi.)	CV445	555
HEATING OIL TANK Facility ID: 26-07-1307 Cleanup Complete: 01/29/2008	400 SE 12TH AVE	NNE 1/4 - 1/2 (0.412 mi.)	CW446	555
HEATING OIL TANK Facility ID: 26-12-0246 Cleanup Complete: 11/26/2012	1302 SE BIRCH ST	SSE 1/4 - 1/2 (0.413 mi.)	CX447	555
HEATING OIL TANK Facility ID: 26-14-1518 Cleanup Complete: 02/09/2015	1421 SE STARK ST	NNE 1/4 - 1/2 (0.413 mi.)	CL448	556
HEATING OIL TANK Facility ID: 26-97-0312 Cleanup Complete: 09/22/1997	425 SE 6TH	NNW 1/4 - 1/2 (0.414 mi.)	CK449	556
HEATING OIL TANK Facility ID: 26-04-2225 Cleanup Complete: 03/15/2005	713-717 SE 17TH AVEN	NE 1/4 - 1/2 (0.414 mi.)	CV450	556
HEATING OIL TANK Facility ID: 26-13-0654	1928 SE ELLIOTT AVE	SE 1/4 - 1/2 (0.417 mi.)	451	556
HEATING OIL TANK Facility ID: 26-12-1223	***1131 SE OAK ST***	***NNE 1/4 - 1/2 (0.419 mi.)***	***CW453***	***557***
HEATING OIL TANK Facility ID: 26-07-1086 Cleanup Complete: 12/31/2007	2212 SE 12TH AVE	SSE 1/4 - 1/2 (0.419 mi.)	CM454	557
HEATING OIL TANK Facility ID: 26-02-5252 Cleanup Complete: 05/20/2002	603 SE 16TH AVE	NE 1/4 - 1/2 (0.422 mi.)	CQ455	558
HEATING OIL TANK Facility ID: 26-99-1312	1834 SE ELLIOTT AVE	ESE 1/4 - 1/2 (0.422 mi.)	CY456	558
HEATING OIL TANK Facility ID: 26-01-5832 Cleanup Complete: 07/31/2001	1818 SE ELLIOTT	ESE 1/4 - 1/2 (0.424 mi.)	CY458	562
HEATING OIL TANK	612 SE 16TH AVE	NE 1/4 - 1/2 (0.424 mi.)	CZ459	563

Facility ID: 26-01-5283 Cleanup Complete: 06/11/2001				
HEATING OIL TANK Facility ID: 26-04-0279 Cleanup Complete: 08/04/2004	1747 SE ELLIOTT AVEN	ESE 1/4 - 1/2 (0.427 mi.)	DA461	563
HEATING OIL TANK Facility ID: 26-06-0296 Cleanup Complete: 06/06/2006	2006 SE ELLIOTT AVE	SE 1/4 - 1/2 (0.427 mi.)	CU462	564
BATASCH FAMILY TRUST Facility ID: 26-90-0117 Cleanup Complete: 11/17/2014	***1324 SE OAK***	***NNE 1/4 - 1/2 (0.429 mi.)***	***DC464***	***564***
HEATING OIL TANK Facility ID: 26-13-0982 Cleanup Complete: 01/07/2014	1711 SE ELLIOTT AVE	ESE 1/4 - 1/2 (0.431 mi.)	DA467	570
HEATING OIL TANK Facility ID: 26-96-0523 Cleanup Complete: 03/14/2001	2040 SE ELLIOT AVE	SE 1/4 - 1/2 (0.432 mi.)	CU468	570
HEATING OIL TANK Facility ID: 26-08-0473 Cleanup Complete: 08/12/2008	2058 SE ELLIOTT AVE	SE 1/4 - 1/2 (0.435 mi.)	CU470	570
HEATING OIL TANK Facility ID: 26-14-0834 Cleanup Complete: 02/24/2015	1821 SE HAZEL ST	ESE 1/4 - 1/2 (0.435 mi.)	CY471	571
HEATING OIL TANK Facility ID: 26-14-1512 Cleanup Complete: 04/14/2015	1932 SE MADISON ST	E 1/4 - 1/2 (0.435 mi.)	DE472	571
HEATING OIL TANK Facility ID: 26-98-0982 Cleanup Complete: 03/17/1999	1714 SE ALDER	NE 1/4 - 1/2 (0.436 mi.)	CV473	571
HEATING OIL TANK Facility ID: 26-13-0560 Cleanup Complete: 08/21/2013	1726 SE ELLIOTT AVE	ESE 1/4 - 1/2 (0.436 mi.)	DA474	571
HEATING OIL TANK Facility ID: 26-04-0545 Cleanup Complete: 08/09/2004	1621 SE WASHINGTON S	NE 1/4 - 1/2 (0.437 mi.)	CZ475	572
HEATING OIL TANK Facility ID: 26-03-2048 Cleanup Complete: 11/21/2003	340 SE 6TH AVE	NNW 1/4 - 1/2 (0.437 mi.)	DF476	572
HEATING OIL TANK Facility ID: 26-12-0337 Cleanup Complete: 07/30/2012	1349 SE BIRCH ST	SSE 1/4 - 1/2 (0.443 mi.)	CX481	581
HEATING OIL TANK Facility ID: 26-12-0598 Cleanup Complete: 11/26/2012	2104 SE ELLIOTT AVE	SSE 1/4 - 1/2 (0.443 mi.)	482	582
HEATING OIL TANK Facility ID: 26-09-0912 Cleanup Complete: 03/16/2010	1637 SE ELLIOTT	ESE 1/4 - 1/2 (0.444 mi.)	DI483	582
HEATING OIL TANK Facility ID: 26-00-6520	2260 SE SPRUCE AVE	SSE 1/4 - 1/2 (0.444 mi.)	DJ484	582

Cleanup Complete: 01/29/2001				
HEATING OIL TANK Facility ID: 26-02-0087 Cleanup Complete: 10/16/2002	1400 SE OAK	NNE 1/4 - 1/2 (0.445 mi.)	DC485	582
HEATING OIL TANK Facility ID: 26-97-0910 Facility ID: 26-97-0917 Cleanup Complete: 12/09/1997	1802 SE MORRISON	ENE 1/4 - 1/2 (0.446 mi.)	DL488	596
HEATING OIL TANK Facility ID: 26-05-2410	525 SE 16TH AVE	NE 1/4 - 1/2 (0.450 mi.)	CZ490	603
HEATING OIL TANK Facility ID: 26-00-5200 Cleanup Complete: 09/07/2000	1812-1818 SE MORRISO	ENE 1/4 - 1/2 (0.450 mi.)	DL491	604
HEATING OIL TANK Facility ID: 26-07-0222 Cleanup Complete: 05/09/2007	1636 SE ELLIOT AVE	ESE 1/4 - 1/2 (0.451 mi.)	DI492	604
HEATING OIL TANK Facility ID: 26-99-1194	1630 SE ELLIOT AVE	ESE 1/4 - 1/2 (0.452 mi.)	DI493	604
HEATING OIL TANK Facility ID: 26-07-0646 Cleanup Complete: 09/05/2007	1028 SE SHERMAN	S 1/4 - 1/2 (0.452 mi.)	DN494	604
HEATING OIL TANK Facility ID: 26-03-0733 Cleanup Complete: 10/18/2003	2276 SE SPRUCE AVENU	SSE 1/4 - 1/2 (0.452 mi.)	DJ495	605
GENERAL THREADED PRO Facility ID: 26-90-0326 Cleanup Complete: 11/25/1991	***2318 SE 10TH***	***S 1/4 - 1/2 (0.454 mi.)***	***DN497***	***605***
HEATING OIL TANK Facility ID: 26-01-6970 Cleanup Complete: 09/17/2002	524 SE 16TH	NE 1/4 - 1/2 (0.455 mi.)	CZ498	606
HEATING OIL TANK Facility ID: 26-03-2165 Cleanup Complete: 12/24/2003	2282 SE SPRUCE AVENU	SSE 1/4 - 1/2 (0.455 mi.)	DJ499	606
HEATING OIL TANK Facility ID: 26-09-1120 Cleanup Complete: 03/22/2010	1559-1561 SE ELLIOTT	ESE 1/4 - 1/2 (0.459 mi.)	DI500	606
7-ELEVEN FOOD STORE Facility ID: 26-07-1841 Cleanup Complete: 03/03/2011	1930 SE HAWTHORNE BL	E 1/4 - 1/2 (0.462 mi.)	DO501	607
IMAGE CONTROL SYSTEM Facility ID: 26-97-0821 Cleanup Complete: 03/19/1998	***310 SE 6TH AVE***	***NNW 1/4 - 1/2 (0.463 mi.)***	***DF502***	***607***
HEATING OIL TANK Facility ID: 26-02-0885 Cleanup Complete: 04/22/2005	2050 SE 16TH	SE 1/4 - 1/2 (0.464 mi.)	DP503	607
HEATING OIL TANK Facility ID: 26-97-0433 Cleanup Complete: 01/16/1998	1537 SE ELLIOTT	ESE 1/4 - 1/2 (0.464 mi.)	DO504	608
HEATING OIL TANK	2043-2047 SE 16TH AV	SE 1/4 - 1/2 (0.464 mi.)	DP506	609

Facility ID: 26-14-0192 Cleanup Complete: 10/06/2014				
ROBBEN OIL COMPANY Facility ID: 26-01-8554 Facility ID: 26-91-0189 Cleanup Complete: 03/19/2002 Cleanup Complete: 07/02/1996	***2300 SE 7TH AVE***	***SSW 1/4 - 1/2 (0.465 mi.)***	***507***	***609***
HEATING OIL TANK Facility ID: 26-99-1096 Cleanup Complete: 05/24/2010	1403 SE BIRCH	SSE 1/4 - 1/2 (0.465 mi.)	DQ509	613
HEATING OIL TANK Facility ID: 26-10-0037 Cleanup Complete: 02/03/2010	2332 SE 11TH AVE	S 1/4 - 1/2 (0.466 mi.)	DN510	613
HEATING OIL TANK Facility ID: 26-14-0838 Cleanup Complete: 06/15/2015	1556 SE ELLIOTT AVE	ESE 1/4 - 1/2 (0.466 mi.)	DI511	614
HEATING OIL TANK Facility ID: 26-03-0504 Cleanup Complete: 01/10/2005	1548 SE ELLIOTT AVEN	ESE 1/4 - 1/2 (0.468 mi.)	DI512	614
HEATING OIL TANK Facility ID: 26-04-0953 Cleanup Complete: 12/16/2011	718 SE 18TH	NE 1/4 - 1/2 (0.468 mi.)	DL513	614
HEATING OIL TANK Facility ID: 26-00-0122 Cleanup Complete: 05/09/2000	710 SE 18TH AVE	NE 1/4 - 1/2 (0.471 mi.)	DL514	615
HEATING OIL TANK Facility ID: 26-09-1217	1306 SE 20TH AVE	E 1/4 - 1/2 (0.472 mi.)	DR515	615
HEATING OIL TANK Facility ID: 26-03-0962 Cleanup Complete: 12/04/2003	1413 SE BIRCH AVENUE	SSE 1/4 - 1/2 (0.477 mi.)	DQ518	623
HEATING OIL TANK Facility ID: 26-01-5293 Cleanup Complete: 03/28/2001	1336 SE PINE ST	NNE 1/4 - 1/2 (0.477 mi.)	519	623
HEATING OIL TANK Facility ID: 26-07-0413	2011 SE MAIN ST	E 1/4 - 1/2 (0.477 mi.)	DR520	624
HEATING OIL TANK Facility ID: 26-09-0874 Cleanup Complete: 12/14/2009	2015 SE SALMON ST	E 1/4 - 1/2 (0.479 mi.)	521	624
HEATING OIL TANK Facility ID: 26-00-0385 Cleanup Complete: 04/18/2000	1838 SE ELLIOT STREE	ESE 1/4 - 1/2 (0.479 mi.)	DS522	624
HEATING OIL TANK Facility ID: 26-97-0513 Cleanup Complete: 08/21/1997	2023 SE MADISON	E 1/4 - 1/2 (0.480 mi.)	DE524	625
HEATING OIL TANK Facility ID: 26-04-1676	2021 SE MAIN ST	E 1/4 - 1/2 (0.482 mi.)	DR526	636
HEATING OIL TANK Facility ID: 26-11-0739 Cleanup Complete: 12/16/2011	2031 SE LADD AVE	SE 1/4 - 1/2 (0.484 mi.)	DP528	636
HEATING OIL TANK	1811 SE HARRISON ST	SE 1/4 - 1/2 (0.486 mi.)	DU530	637

Facility ID: 26-13-0350 Cleanup Complete: 08/20/2013				
HEATING OIL TANK Facility ID: 26-14-1103 Cleanup Complete: 02/25/2015	2038 SE MADISON ST	E 1/4 - 1/2 (0.488 mi.)	531	637
HEATING OIL TANK Facility ID: 26-97-0824 Cleanup Complete: 04/29/2008	2042 SE LADD	SE 1/4 - 1/2 (0.489 mi.)	DP532	638
HEATING OIL TANK Facility ID: 26-01-8344 Cleanup Complete: 12/28/2001	1825 SE LOCUST AVE	ESE 1/4 - 1/2 (0.489 mi.)	DS533	638
HEATING OIL TANK Facility ID: 26-11-0081 Cleanup Complete: 05/03/2011	1823 SE LOCUST AVE	ESE 1/4 - 1/2 (0.489 mi.)	DS534	638
HEATING OIL TANK Facility ID: 26-01-6302 Cleanup Complete: 01/04/2002	1819 SE LOCUST ST	ESE 1/4 - 1/2 (0.490 mi.)	DS535	638
HULME, ROBERT H Facility ID: 26-91-0103 Cleanup Complete: 03/18/1992	***221 SE 11TH AVE***	***N 1/4 - 1/2 (0.490 mi.)***	***DV536***	***639***
HEATING OIL TANK Facility ID: 26-01-5130 Cleanup Complete: 03/22/2001	***234 SE 7TH***	***NNW 1/4 - 1/2 (0.491 mi.)***	***537***	***639***
HEATING OIL TANK Facility ID: 26-02-5687 Cleanup Complete: 07/15/2002	2047 SE LADD AVE	SE 1/4 - 1/2 (0.491 mi.)	DP538	642
HEATING OIL TANK Facility ID: 26-99-1009 Cleanup Complete: 09/21/1999	1813 SE LOCOST AVE	ESE 1/4 - 1/2 (0.491 mi.)	DS539	642
HEATING OIL TANK Facility ID: 26-08-1493	2019 SE CYPRESS AVE	SE 1/4 - 1/2 (0.493 mi.)	DU540	643
HEATING OIL TANK Facility ID: 26-04-0214 Cleanup Complete: 06/04/2004	1801 SE LOCUST	ESE 1/4 - 1/2 (0.494 mi.)	DS541	643
HEATING OIL TANK Facility ID: 26-99-0542	1030 SE ASH	N 1/4 - 1/2 (0.495 mi.)	DV542	643
HEATING OIL TANK Facility ID: 26-08-1128 Cleanup Complete: 11/05/2008	1550 SE 20TH AVE	E 1/4 - 1/2 (0.495 mi.)	DO543	643
HEATING OIL TANK Facility ID: 26-15-0048	711 SE 19TH AVE	ENE 1/4 - 1/2 (0.497 mi.)	544	644
HEATING OIL TANK Facility ID: 26-07-0215 Cleanup Complete: 10/23/2007	1914 SE HEMLOCK AVE	ESE 1/4 - 1/2 (0.498 mi.)	DS545	644

Lower Elevation	Address	Direction / Distance	Map ID	Page
OREGON BRASS WORKS Facility ID: 26-90-0038	***1127 SOUTHEAST 10TH***	***NNE 0 - 1/8 (0.018 mi.)***	***C8***	***26***

Cleanup Complete: 11/19/1990				
DEWART AND LIVESLEY Facility ID: 26-05-1266 Cleanup Complete: 12/02/2005	930 SE 9TH AVENUE	N 1/8 - 1/4 (0.139 mi.)	X116	199
HEATING OIL TANK Facility ID: 26-97-0750 Cleanup Complete: 11/13/1997	119 SE MAIN	W 1/4 - 1/2 (0.379 mi.)	CB411	431
HEATING OIL TANK Facility ID: 26-06-1215 Cleanup Complete: 09/13/2006	115 SE YAMHILL ST	WNW 1/4 - 1/2 (0.402 mi.)	CH439	553
HEATING OIL TANK Facility ID: 26-13-1314 Cleanup Complete: 11/06/2013	80 SE MADISON ST	W 1/4 - 1/2 (0.418 mi.)	CR452	557
AMATO BROTHERS ENTER Facility ID: 26-01-0006 Cleanup Complete: 05/11/2001	515 SE MARTIN LUTHER	NW 1/4 - 1/2 (0.430 mi.)	466	569
GRAND & BENEDICTS BL Facility ID: 26-04-1768 Cleanup Complete: 01/21/2005	111 SE BELMONT	WNW 1/4 - 1/2 (0.433 mi.)	DD469	570
HEATING OIL TANK Facility ID: 26-04-1934 Cleanup Complete: 11/01/2004	130 SE MORRISON	WNW 1/4 - 1/2 (0.440 mi.)	DD479	580
MULTNOMAH COUNTY TRA Facility ID: 26-92-0207 Cleanup Complete: 11/24/1997	***1403 SE WATER AVE***	***W 1/4 - 1/2 (0.452 mi.)***	***DK496***	***605***
ODOT Facility ID: 26-91-0078 Facility ID: 26-92-0214 Cleanup Complete: 07/31/2000 Cleanup Complete: 06/23/1992	***1001 SE WATER AVE***	***WNW 1/4 - 1/2 (0.464 mi.)***	***DG505***	***608***
HEATING OIL TANK Facility ID: 26-01-5417 Cleanup Complete: 04/30/2001	201 SE WASHINGTON	NW 1/4 - 1/2 (0.476 mi.)	517	623
ODOT REGION 1 Facility ID: 26-99-0180 Cleanup Complete: 01/13/2000	***SE MADISON STREET BL***	***W 1/4 - 1/2 (0.480 mi.)***	***DH523***	***624***
HEATING OIL TANK Facility ID: 26-04-1201 Cleanup Complete: 01/13/2005	437 SE MLK JR BLVD	NW 1/4 - 1/2 (0.482 mi.)	527	636
UNION PACIFIC RR - P Facility ID: 26-90-0438 Cleanup Complete: 02/29/1992	***1640 SE WATER AVE***	***WSW 1/4 - 1/2 (0.485 mi.)***	***DT529***	***637***

State and tribal registered storage tank lists

OR UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's UST List on Disk.

A review of the OR UST list, as provided by EDR, and dated 10/01/2015 has revealed that there are 24

EXECUTIVE SUMMARY

OR UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MCDONALD & WELTE, IN Facility ID: 10036	915 SE HAWTHORNE	SSW 0 - 1/8 (0.049 mi.)	D20	58
BRADSHAWS SERVICE CE Facility ID: 2412	***1025 SE HAWTHORNE***	***SSE 0 - 1/8 (0.049 mi.)***	***D22***	***59***
CARSON OIL CO INC Facility ID: 3475	***1208 SE 8TH AVE***	***NW 0 - 1/8 (0.058 mi.)***	***I35***	***79***
BILLINGS & CRONN COM Facility ID: 9989	***1535 SE 9TH AVE***	***SSW 0 - 1/8 (0.080 mi.)***	***G50***	***112***
SPACE AGE FUELS Facility ID: 8011	***1237 SE HAWTHORNE BL***	***ESE 0 - 1/8 (0.101 mi.)***	***N70***	***142***
BROADWAY ELECTRIC IN Facility ID: 2119	***626 SE MAIN***	***W 0 - 1/8 (0.117 mi.)***	***O87***	***170***
OECO CORP - FORMER S Facility ID: 10622	1530 SE 7TH ST	SW 0 - 1/8 (0.122 mi.)	R94	177
LADD'S GAS & FOOD Facility ID: 8083	***1525 SE LADD AVE***	***SE 0 - 1/8 (0.123 mi.)***	***V96***	***178***
SWEET HOME DIVISION Facility ID: 6305	***1524 SE LADD AVE***	***SE 0 - 1/8 (0.125 mi.)***	***V100***	***189***
MCGUIRE BEARING COMP Facility ID: 6964	***947 SE MARKET ST***	***S 1/8 - 1/4 (0.149 mi.)***	***AE132***	***211***
OR FLOWER GROWERS AS Facility ID: 10894	***1106 SE 6TH AVE***	***WNW 1/8 - 1/4 (0.160 mi.)***	***AG161***	***232***
SAW REPAIR AND SUPPL Facility ID: 11633	1713 SE 17TH AVENUE	SSW 1/8 - 1/4 (0.188 mi.)	AO203	276
OLIVER & THOMPSON IN Facility ID: 3646	1136 SE GRAND AVE	WNW 1/8 - 1/4 (0.195 mi.)	AG221	282
STANDARD SUPPLY COMP Facility ID: 5975	934 SE 6TH AVE	NW 1/8 - 1/4 (0.195 mi.)	AU222	283
CONTROL CONTRACTORS Facility ID: 4393	1235 SE BELMONT	NNE 1/8 - 1/4 (0.199 mi.)	AW232	289
MULTNOMAH COUNTY Facility ID: 11676	***1040 SE MORRISON ST***	***N 1/8 - 1/4 (0.201 mi.)***	***AX235***	***290***
SURBURBIA STUDIOS Facility ID: 12340	***632 SE MARKET ST***	***SW 1/8 - 1/4 (0.207 mi.)***	***AO247***	***296***
BERNSTEIN BROTHERS, Facility ID: 6680	***1120 SE MORRISON ST***	***NNE 1/8 - 1/4 (0.209 mi.)***	***AJ251***	***313***
MERCHANTS MOTORCYCLE Facility ID: 10829	***1810 SE 10TH***	***S 1/8 - 1/4 (0.214 mi.)***	***BB259***	***328***
POWELL DISTRIBUTING Facility ID: 6049	***734 SE MORRISON***	***NNW 1/8 - 1/4 (0.224 mi.)***	***BC279***	***335***
BROWN OLDSMOBILE CO. Facility ID: 2280	***1005 SE GRAND AVE***	***NW 1/8 - 1/4 (0.240 mi.)***	***BI314***	***357***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OREGON BRASS WORKS	***1127 SOUTHEAST 10TH***	***NNE 0 - 1/8 (0.018 mi.)***	***C8***	***26***

Facility ID: 10179				
KULLBERG PROPERTIES Facility ID: 11068	826 SE BELMONT	NNW 1/8 - 1/4 (0.161 mi.)	X162	232
HONEYWELL PROTECTION Facility ID: 1677	810 SE BELMONT ST	NNW 1/8 - 1/4 (0.164 mi.)	AC164	233

OR AST: The Aboveground Storage Tank database contains registered ASTs. The data comes from the list of ASTs reported to the Office of State Fire Marshal.

A review of the OR AST list, as provided by EDR, and dated 11/25/2015 has revealed that there is 1 OR AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LUCKY LABRADOR BREWI Facility Id: 044204	***915 SE HAWTHORNE BLV***	***SSW 0 - 1/8 (0.049 mi.)***	***D19***	***56***

State and tribal institutional control / engineering control registries

OR ENG CONTROLS: Engineering controls are physical measures selected or approved by the Director for the purpose of preventing or minimizing exposure to hazardous substances.Engineering controls may include, but are not limited to, fencing, capping, horizontal or vertical barriers, hydraulic controls, and alternative water supplies.

A review of the OR ENG CONTROLS list, as provided by EDR, and dated 01/01/2016 has revealed that there are 2 OR ENG CONTROLS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OREGON RAIL HERITAGE Site Id: 5641	***BETWEEN SE GRAND AVE***	***SW 1/4 - 1/2 (0.472 mi.)***	***DM516***	***615***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OREGON BRASS WORKS Site Id: 2550	***1127 SOUTHEAST 10TH***	***NNE 0 - 1/8 (0.018 mi.)***	***C8***	***26***

OR INST CONTROL: Sites with Engineering or Institutional Controls.

A review of the OR INST CONTROL list, as provided by EDR, and dated 01/01/2016 has revealed that there are 3 OR INST CONTROL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PORTLAND LAUNDRY BUI Site Id: 4311	***1740 SE GRAND AVE.***	***SW 1/4 - 1/2 (0.263 mi.)***	***BM326***	***363***
OREGON RAIL HERITAGE Site Id: 5641	***BETWEEN SE GRAND AVE***	***SW 1/4 - 1/2 (0.472 mi.)***	***DM516***	***615***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OREGON BRASS WORKS	***1127 SOUTHEAST 10TH***	***NNE 0 - 1/8 (0.018 mi.)***	***C8***	***26***

Site Id: 2550

State and tribal voluntary cleanup sites

OR VCP: Responsible parties have entered into an agreement with DEQ to voluntarily address contamination associated with their property.

A review of the OR VCP list, as provided by EDR, and dated 01/05/2016 has revealed that there are 14 OR VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OECO CORP. - PORTLAN ECS Site ID: 1667	***712 SE HAWTHORNE BLV***	***SW 0 - 1/8 (0.111 mi.)***	***R81***	***157***
GARDNER AND RANCHERS ECS Site ID: 4073	***1004 SE BELMONT ST.***	***N 1/8 - 1/4 (0.150 mi.)***	***AF137***	***216***
MR FORMAL INC ECS Site ID: 5904	***1205 SE GRAND AVE***	***WNW 1/8 - 1/4 (0.209 mi.)***	***AZ250***	***297***
GOODWILL INDUSTRIES ECS Site ID: 1475	***1812 SE 6TH AVE.***	***SW 1/4 - 1/2 (0.262 mi.)***	***BL324***	***359***
SPIKES AUTO UPHOLSTE ECS Site ID: 5554	***726 SE 6TH AVE.***	***NNW 1/4 - 1/2 (0.277 mi.)***	***335***	***369***
REXEL/TAYLOR ELECTRI ECS Site ID: 4632	***240 SE CLAY ST.***	***WSW 1/4 - 1/2 (0.346 mi.)***	***CA385***	***397***
OREGON PLATING COMPA ECS Site ID: 4925	***436 SE 6TH AVE***	***NNW 1/4 - 1/2 (0.400 mi.)***	***CK436***	***491***
GRANT STREET PROPERT ECS Site ID: 3828	***624 SE GRANT/2227 SE***	***SSW 1/4 - 1/2 (0.423 mi.)***	***457***	***558***
OREGON RAIL HERITAGE ECS Site ID: 5641	***BETWEEN SE GRAND AVE***	***SW 1/4 - 1/2 (0.472 mi.)***	***DM516***	***615***

Lower Elevation	Address	Direction / Distance	Map ID	Page
OREGON BRASS WORKS ECS Site ID: 2550	***1127 SOUTHEAST 10TH***	***NNE 0 - 1/8 (0.018 mi.)***	***C8***	***26***
BRIGHT DAY COMMERCIA ECS Site ID: 4977	***810 SE BELMONT ST***	***NNW 1/8 - 1/4 (0.164 mi.)***	***AC165***	***233***
ODOT-CENTRAL EASTSID ECS Site ID: 5936	***SE WATER AVE BETWEEN***	***W 1/4 - 1/2 (0.442 mi.)***	***DH480***	***580***
PRATT & LARSON TILE ECS Site ID: 5919	***1204-1216 SE WATER A***	***W 1/4 - 1/2 (0.445 mi.)***	***DH486***	***583***
PORTLAND GENERAL ELE ECS Site ID: 5779	***1510 SE WATER AVE***	***W 1/4 - 1/2 (0.446 mi.)***	***DK487***	***588***

State and tribal Brownfields sites

Brownfields investigations and/or cleanups that have been conducted in Oregon.

A review of the OR BROWNFIELDS list, as provided by EDR, and dated 11/01/2015 has revealed that there are 5 OR BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GOODWILL INDUSTRIES	***1812 SE 6TH AVE.***	***SW 1/4 - 1/2 (0.262 mi.)***	***BL324***	***359***
Status: Site Confirmatory Sampling recommended envid: 1475				
PORTLAND LAUNDRY BUI	***1740 SE GRAND AVE.***	***SW 1/4 - 1/2 (0.263 mi.)***	***BM326***	***363***
Status: No Further Action (Conditional) envid: 4311				
REXEL/TAYLOR ELECTRI	***240 SE CLAY ST.***	***WSW 1/4 - 1/2 (0.346 mi.)***	***CA385***	***397***
Status: Prospective Purchaser Agreement envid: 4632				
OREGON RAIL HERITAGE	***BETWEEN SE GRAND AVE***	***SW 1/4 - 1/2 (0.472 mi.)***	***DM516***	***615***
Status: No Further Action (Conditional) envid: 5641				

Lower Elevation	Address	Direction / Distance	Map ID	Page
PORTLAND GENERAL ELE	***1510 SE WATER AVE***	***W 1/4 - 1/2 (0.446 mi.)***	***DK487***	***588***
Status: NO FURTHER STATE ACTION REQUIRED envid: 5779				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WA SWRCY: A llisting of recycling center locations.

A review of the WA SWRCY list, as provided by EDR, and dated 12/01/2015 has revealed that there are 3 WA SWRCY sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FREE GEEK	1731 SE 10TH AVENUE	S 1/8 - 1/4 (0.182 mi.)	AE191	263
KNEZ BUILDING MATERI	519 SE MAIN ST	W 1/8 - 1/4 (0.193 mi.)	AQ219	282

Lower Elevation	Address	Direction / Distance	Map ID	Page
HABITAT FOR HUMANITY	66 SE MORRISON	WNW 1/4 - 1/2 (0.465 mi.)	DD508	609

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/09/2015 has revealed that there are 32 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CUSTOM STAMPING & MF	***1340 SE 9TH***	***SW 0 - 1/8 (0.002 mi.)***	***A1***	***8***
FRICTION PRODUCTS MF	***1001 SE MAIN ST***	***NE 0 - 1/8 (0.008 mi.)***	***4***	***18***
PACIFIC PUTTY CO INC	***1330 SE 8TH AVE***	***W 0 - 1/8 (0.051 mi.)***	***F26***	***66***
BRISTOL MARINE	***1320 SE 8TH AVE***	***W 0 - 1/8 (0.051 mi.)***	***F27***	***69***
MULTNOMAH PRINTING I	***1339 SE 8TH AVE***	***WSW 0 - 1/8 (0.068 mi.)***	***F44***	***95***
CASCADE COIL DRAPERY	***1239 SE 12TH AVE***	***ENE 0 - 1/8 (0.072 mi.)***	***M46***	***99***
UNIQUE PRODUCTS INC	***1106 SE TAYLOR ST***	***NE 0 - 1/8 (0.079 mi.)***	***J49***	***108***
TRI-MET PARATRANSIT	***925 SE CLAY ST***	***S 0 - 1/8 (0.100 mi.)***	***P67***	***128***
TWO ZELLS INC DBA CA	***1200 SE 7TH AVE***	***WNW 0 - 1/8 (0.101 mi.)***	***Q68***	***133***
SPACE AGE FUELS	***1237 SE HAWTHORNE BL***	***ESE 0 - 1/8 (0.101 mi.)***	***N70***	***142***
COLOUR SCAN	***727 SE HAWTHORNE BLV***	***SW 0 - 1/8 (0.102 mi.)***	***K72***	***146***
OREGON PARTS CO INC	***711 SE HAWTHORNE BLV***	***SW 0 - 1/8 (0.108 mi.)***	***R79***	***153***
OECO CORP	***712 SE HAWTHORNE BLD***	***SW 0 - 1/8 (0.111 mi.)***	***R82***	***168***
TRASHCO	1630 SE 8TH AVE	SSW 0 - 1/8 (0.120 mi.)	U90	171
ROYAL INTERNATIONAL	***1632 SE 11TH AVE***	***SSE 0 - 1/8 (0.122 mi.)***	***S91***	***173***
ROYAL INTERNATIONAL	1632 SE 11TH AVE	SSE 0 - 1/8 (0.122 mi.)	S93	176
LEININGER POLISHING	***625 SE SALMON ST***	***WNW 1/8 - 1/4 (0.143 mi.)***	***Q120***	***200***
R G WILKS COMMERCIAL	***700 SE CLAY***	***SW 1/8 - 1/4 (0.144 mi.)***	***U125***	***206***
DEPENDABLE PATTERN W	***737 SE MARKET ST***	***SSW 1/8 - 1/4 (0.171 mi.)***	***AB173***	***242***
LARSONS AUTOMOTIVE	***1727 SE 11TH***	***SSE 1/8 - 1/4 (0.177 mi.)***	***AL182***	***250***
AIR PRODUCTS AND CHE	***915 SE 7TH AVE***	***NNW 1/8 - 1/4 (0.185 mi.)***	***AM196***	***269***
INDUSTRIAL GASKET IN	***1623 SE 6TH AVE***	***SW 1/8 - 1/4 (0.195 mi.)***	***AS223***	***283***
MAR-LAC DISTRIBUTORS	***1001 SE MORRISON ST***	***N 1/8 - 1/4 (0.207 mi.)***	***AV243***	***292***
NAPA AUTO PARTS	***730 SOUTHEAST 9TH***	***N 1/8 - 1/4 (0.211 mi.)***	***AV253***	***314***
ODEQ SE 13TH DRUG SI	***924 SE 13TH***	***NE 1/8 - 1/4 (0.211 mi.)***	***AR254***	***319***
DILORETO ARCHITECTS	***1108 SE GRAND AVE ST***	***WNW 1/8 - 1/4 (0.212 mi.)***	***AI255***	***322***
REX ARMS APARTMENTS	1230 SE MORRISON ST	NNE 1/8 - 1/4 (0.231 mi.)	AW294	339
PAINT-PUMP & SUPPLY	***1624 SE GRAND AVE***	***SW 1/8 - 1/4 (0.235 mi.)***	***AS303***	***343***
METRO METRIC AUTOMOT	***715 SE 10TH AVE***	***N 1/8 - 1/4 (0.236 mi.)***	***AX305***	***347***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORWARDERS TRANSFER	***1240 SE 9TH AVE***	***NNW 0 - 1/8 (0.002 mi.)***	***B3***	***15***
AIR FILTER SALES AND	***1138 SE 10TH AVE***	***NNE 0 - 1/8 (0.013 mi.)***	***C7***	***22***
OREGON BRASS WORKS	***1127 SOUTHEAST 10TH***	***NNE 0 - 1/8 (0.018 mi.)***	***C8***	***26***

OR MANIFEST: Hazardous waste manifest information.

A review of the OR MANIFEST list, as provided by EDR, and dated 12/31/2014 has revealed that there are 7 OR MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CUSTOM STAMPING & MF	***1340 SE 9TH***	***SW 0 - 1/8 (0.002 mi.)***	***A1***	***8***

Status: CEG
EPA Id: ORD043670918

PRECISION ELECTRO CO	***1124 SE 11TH AVENUE***	***NE 0 - 1/8 (0.059 mi.)***	***J40***	***86***
Status: SQG Status: Conditionally exempt generator Status: Small quantity generator EPA Id: ORD987201373				
ENVIRONMENTAL BUILDI	***819 SE TAYLOR ST***	***NNW 0 - 1/8 (0.086 mi.)***	***55***	***113***
Status: CEG EPA Id: ORQ000010439				
REJUVENATION INC	***1100 SE GRAND AVE***	***NW 0 - 1/8 (0.124 mi.)***	***W99***	***180***
Status: LQG Status: CEG Status: Large quantity generator EPA Id: ORD987201381				
M B I MOTORS	***1309 SE HAWTHORNE***	***ESE 1/8 - 1/4 (0.125 mi.)***	***N102***	***189***
Status: CEG EPA Id: ORD049794613				
MR FORMAL INC	***1205 SE GRAND AVE***	***WNW 1/8 - 1/4 (0.209 mi.)***	***AZ250***	***297***
Status: SQG Status: Small quantity generator EPA Id: ORQ000022806				
METRO METRIC AUTOMOT	***715 SE 10TH AVE***	***N 1/8 - 1/4 (0.236 mi.)***	***AX305***	***347***
Status: CEG EPA Id: ORQ000008359				

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 12/31/2014 has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TWO ZELLS INC DBA CA	***1200 SE 7TH AVE***	***WNW 0 - 1/8 (0.101 mi.)***	***Q68***	***133***
EPA ID: ORD987199619				

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the

environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 3 EDR MGP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EAST PORTLAND GAS WO	110 SE 2ND AVE. & 5	NNW 1/2 - 1 (0.632 mi.)	DX552	715
PORTLAND GAS LIGHT C	SE ANKENY ST	NNW 1/2 - 1 (0.641 mi.)	DX554	729
PORTLAND GAS AND COK	2620 SE 9TH AVE	S 1/2 - 1 (0.641 mi.)	DY555	729

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 142 EDR Hist Auto sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
STORGILL INSTRUMENT	1427 SE 10TH AVE	SSE 0 - 1/8 (0.024 mi.)	D10	53
MADISON STREET GARAG	1100 E MADISON	ESE 0 - 1/8 (0.026 mi.)	E11	54
VERSTEEG FRED M	1110 E MADISON	ESE 0 - 1/8 (0.031 mi.)	E12	54
WETLE GEO	927 SE HAWTHORNE BLV	S 0 - 1/8 (0.049 mi.)	D17	55
HAAN SERVICE STATION	919 HAWTHORNE AVE	SSW 0 - 1/8 (0.049 mi.)	D18	55
AVOLIO MOTOR SERVICE	911 SE HAWTHORNE BLV	SSW 0 - 1/8 (0.049 mi.)	G21	59
BRADSHAW AUTO SERVIC	1021 SE HAWTHORNE BL	SSE 0 - 1/8 (0.049 mi.)	D23	64
BRADSHAW AUTO SERVIC	1025 SE HAWTHORNE BL	SSE 0 - 1/8 (0.049 mi.)	D24	65
HENDRIKSEN H C	1063 HAWTHORNE AVE	SE 0 - 1/8 (0.050 mi.)	D25	65
Not reported	1001 SE HAWTHORNE BL	SSE 0 - 1/8 (0.056 mi.)	D29	73
Not reported	1016 SE HAWTHORNE BL	SSE 0 - 1/8 (0.057 mi.)	D32	78
CARSON OIL CARDLOCK	1208 SE 8TH AVE	NW 0 - 1/8 (0.058 mi.)	I36	79
HAWTHORNE MOTOR SERV	1111 HAWTHORNE AVE	SE 0 - 1/8 (0.058 mi.)	E38	86
PERRY S SUSPENSION S	1204 NE 8TH ST	NW 0 - 1/8 (0.058 mi.)	I39	86
LEYFAX COMPANY	1405 SE 8TH AVE	WSW 0 - 1/8 (0.060 mi.)	K41	94
HIBBARD AND BARR GAR	1037 SE TAYLOR	NNE 0 - 1/8 (0.064 mi.)	L42	94
H AND L ASSOCIATED S	1139 SE HAWTHORNE BL	SE 0 - 1/8 (0.066 mi.)	E43	94
HENRY S AUTO AND TRU	1406 SE 12TH AVE	ESE 0 - 1/8 (0.081 mi.)	N51	112
LAUER ARTH	1172 HAWTHORNE AVE	SE 0 - 1/8 (0.083 mi.)	N53	113
GLOBE SERVICE STATIO	1002 SE 10TH AVE	N 0 - 1/8 (0.085 mi.)	L54	113
ROBERTI AND RUZZUTTI	1420 SE 12TH AVE	ESE 0 - 1/8 (0.089 mi.)	N56	117
TOW LEONARD MOTOR BL	1424 SE 12TH AVE	ESE 0 - 1/8 (0.089 mi.)	N57	117
NORTHWEST STATIONS	1207 SE HAWTHORNE BL	ESE 0 - 1/8 (0.091 mi.)	N59	122
COLONIAL SERVICE STA	752 HAWTHORNE	SW 0 - 1/8 (0.096 mi.)	K62	127
CRAWFORD IRA G	1206 HAWTHORNE AVE	SE 0 - 1/8 (0.096 mi.)	N63	127
AUTOMATIC TRANSMISSI	927 SE CLAY	S 0 - 1/8 (0.100 mi.)	P66	128
HANKES ALEX	1218 SE HAWTHORNE BL	ESE 0 - 1/8 (0.101 mi.)	N69	141
PARKER ROBT A	1237 SE HAWTHORNE BL	ESE 0 - 1/8 (0.101 mi.)	N71	146
SEVENTH AVENUE SERVI	732 SE HAWTHORNE BLV	SW 0 - 1/8 (0.103 mi.)	R73	151
MURRAYMEAD GARAGE	717 HAWTHORNE AVE	SW 0 - 1/8 (0.106 mi.)	R74	151
SPEEDWAY LUBRICATORS	1131 SE CLAY	SE 0 - 1/8 (0.106 mi.)	S75	151

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TWIN PINES SERVICE S	936 SE CLAY	S 0 - 1/8 (0.107 mi.)	P76	152
TWIN PINES GARAGE	924 SE CLAY	S 0 - 1/8 (0.107 mi.)	P77	152
Not reported	711 SE HAWTHORNE BLV	SW 0 - 1/8 (0.108 mi.)	R78	152
DURANT AND DE VAUX S	1114 SE CLAY	SSE 0 - 1/8 (0.111 mi.)	S80	157
Not reported	1614 SE 10TH AVE	S 0 - 1/8 (0.111 mi.)	P83	169
GYRO NIZING SERVICE	1134 SE 7TH AVE	NW 0 - 1/8 (0.114 mi.)	Q84	169
CARNEAU BROS	700 SE HAWTHORNE BLV	SW 0 - 1/8 (0.116 mi.)	R86	170
HAWTHORNE SERVICE ST	696 HAWTHORNE AVE	SW 0 - 1/8 (0.119 mi.)	R88	171
GELHAR S BODY SHOP	1517 SE 7TH AVE	SW 0 - 1/8 (0.123 mi.)	R95	178
SPEEDWAY LUBRICATORS	1525 SE LADD AVE	SE 0 - 1/8 (0.123 mi.)	V97	178
Not reported	1521 SE 7TH AVE	SW 0 - 1/8 (0.124 mi.)	R98	179
MOMAN G FENTON	1205 SE CLAY	SE 1/8 - 1/4 (0.125 mi.)	S101	189
M B MOTORS INC	1309 SE HAWTHORNE BL	ESE 1/8 - 1/4 (0.125 mi.)	N103	195
HENRIKSEN HARRY C	1290 HAWTHORNE AVE	ESE 1/8 - 1/4 (0.131 mi.)	V109	197
SHELDON S BRAKE SERV	1206 SE CLAY	SE 1/8 - 1/4 (0.131 mi.)	S112	198
AUTOMATIC TRANSMISSI	622 SE MADISON	WSW 1/8 - 1/4 (0.142 mi.)	Z119	200
Not reported	625 SE SALMON ST	WNW 1/8 - 1/4 (0.143 mi.)	Q121	204
BILLINGSLEY L Y MOTO	635 SE HAWTHORNE BLV	WSW 1/8 - 1/4 (0.144 mi.)	Z123	205
FORD CLAUDE J	617 SE MADISON	W 1/8 - 1/4 (0.144 mi.)	Z124	205
HAWTHORNE SERVICE GA	1312 SE HAWTHORNE BL	ESE 1/8 - 1/4 (0.146 mi.)	AA127	210
MIDWAY GARAGE	629 HAWTHORNE AVE	WSW 1/8 - 1/4 (0.147 mi.)	Z129	210
SANDERS FRANK	931 SE 8TH AVE	NNW 1/8 - 1/4 (0.147 mi.)	AC130	211
BILLINGSLEY PONTIAC	632 SE HAWTHORNE BLV	WSW 1/8 - 1/4 (0.148 mi.)	AD131	211
COMELLA S TRUCK N AU	936 SE BELMONT	N 1/8 - 1/4 (0.150 mi.)	X133	215
STANTON CO AUTO C BR	936 SE BELMONT ST	N 1/8 - 1/4 (0.150 mi.)	X134	215
MADISON STREET GARAG	1338 SE 6TH AVE	W 1/8 - 1/4 (0.150 mi.)	Z135	215
FRED S BODY SHOP	626 SE HAWTHORNE BLV	WSW 1/8 - 1/4 (0.151 mi.)	AD141	222
BURNHAM ORIE C	1034 BELMONT	NNE 1/8 - 1/4 (0.152 mi.)	AF144	223
BILLINGS BODY WORKS	1303 SE 6TH AVE	W 1/8 - 1/4 (0.157 mi.)	Z152	229
HARRIS AND KARR	915 SE BELMONT	N 1/8 - 1/4 (0.158 mi.)	X155	230
DAVIS MARION F	1426 SE 6TH AVE	WSW 1/8 - 1/4 (0.158 mi.)	Z156	230
Not reported	909 SE 12TH AVE	NNE 1/8 - 1/4 (0.159 mi.)	Y157	230
CHRIS S SERVICE STAT	1051 BELMONT	NNE 1/8 - 1/4 (0.160 mi.)	AF160	231
SIMMONS JERRY AUTO B	945 SE 12TH AVE	NNE 1/8 - 1/4 (0.165 mi.)	Y167	236
Not reported	935 SE 12TH AVE	NNE 1/8 - 1/4 (0.169 mi.)	Y171	242
SCHILLE MEDFORD V	940 SE 7TH AVE	NNW 1/8 - 1/4 (0.171 mi.)	AC172	242
WINTERS AND OWENS IN	561 HAWTHORNE AVE	WSW 1/8 - 1/4 (0.172 mi.)	Z174	247
WETLE GEO	545 HAWTHORNE AVE	WSW 1/8 - 1/4 (0.175 mi.)	AD178	249
MC DONALD DANL J	535 HAWTHORNE AVE	WSW 1/8 - 1/4 (0.177 mi.)	AD183	260
Not reported	1731 SE 11TH AVE	SSE 1/8 - 1/4 (0.179 mi.)	AL186	261
EAST SIDE BODY AND F	924 SE 7TH AVE	NNW 1/8 - 1/4 (0.179 mi.)	AC187	261
ZIMMERMAN C M	1390 HAWTHORNE AVE	ESE 1/8 - 1/4 (0.180 mi.)	AA188	262
DORSEY MOTOR AND BRA	601 SE CLAY	SW 1/8 - 1/4 (0.181 mi.)	AD190	262
FRANCIS MOTOR CAR CO	509 SE HAWTHORNE BLV	WSW 1/8 - 1/4 (0.183 mi.)	AD192	268
SERVE U-GARAGE	558 HAWTHORNE AVE	WSW 1/8 - 1/4 (0.183 mi.)	AD193	268
HOME SERVICE CO	1025 SE 6TH AVE	NW 1/8 - 1/4 (0.185 mi.)	AI195	268
OLDE GAS HOUSE THE	1206 SE BELMONT ST	NNE 1/8 - 1/4 (0.185 mi.)	AJ197	274
NU WAY AUTO LAUNDRY	1206 SE BELMONT	NNE 1/8 - 1/4 (0.185 mi.)	AJ198	274
AMERICAN GARAGE	712 SE BELMONT	NNW 1/8 - 1/4 (0.188 mi.)	AC202	276
JUSTIN S SIGNAL STAT	733 SE BELMONT ST	NNW 1/8 - 1/4 (0.189 mi.)	AC205	277
JUSTEN SIGNAL SERVIC	733 SE BELMONT	NNW 1/8 - 1/4 (0.189 mi.)	AC206	277
COLUMBIA TRANSMISSIO	1737 SE 12TH AVE	SSE 1/8 - 1/4 (0.190 mi.)	AH207	277
PRECISION AUTOMOTIVE	524 SE MAIN ST	W 1/8 - 1/4 (0.191 mi.)	AQ210	279
AMAZON MOTORS	1611 SE 6TH AVE	SW 1/8 - 1/4 (0.191 mi.)	AS212	279
TRIANGLE SERVICE AND	1420 SE HAWTHORNE BL	ESE 1/8 - 1/4 (0.192 mi.)	AT213	280
KING T G AUTO SERVIC	700 SE BELMONT	NNW 1/8 - 1/4 (0.192 mi.)	AM214	280

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TILLER ENTERPRISES	1613 SE 6TH AVE	SW 1/8 - 1/4 (0.192 mi.)	AS216	281
P M X INC	813 SE 10TH AVE	N 1/8 - 1/4 (0.194 mi.)	AF220	282
WILLAMETTE WHEEL	515 SE MAIN	W 1/8 - 1/4 (0.195 mi.)	AQ224	286
HALL BERT SERVICE ST	701 BELMONT	NNW 1/8 - 1/4 (0.198 mi.)	AM227	287
Not reported	926 SE MORRISON ST	N 1/8 - 1/4 (0.199 mi.)	AV231	288
BELMONT SERVICE STAT	695 BELMONT	NNW 1/8 - 1/4 (0.200 mi.)	AM233	289
RED S AUBURN CORD SE	1238 SE GRAND AVE	WNW 1/8 - 1/4 (0.200 mi.)	AQ234	289
GREINER S GARAGE	1258 BELMONT	NE 1/8 - 1/4 (0.201 mi.)	AW236	290
LARRY S GARAGE	1251 BELMONT	NE 1/8 - 1/4 (0.204 mi.)	AW239	291
WHITE S AL ALIGNMENT	1001 SE MORRISON	N 1/8 - 1/4 (0.207 mi.)	AV244	296
DAVIS MARION AUTO SE	1411 SE GRAND AVE	W 1/8 - 1/4 (0.207 mi.)	AY245	296
LOW S AUTOMOTIVE SER	1325 SE GRAND AVE	W 1/8 - 1/4 (0.207 mi.)	AQ246	296
Not reported	521 SE TAYLOR ST	WNW 1/8 - 1/4 (0.208 mi.)	AI248	297
ARROW AUTOMOTIVE SER	536 SE CLAY	WSW 1/8 - 1/4 (0.213 mi.)	AS256	326
DUPRE AUTOMOTIVE SER	825 SE 7TH AVE	NNW 1/8 - 1/4 (0.214 mi.)	AM257	326
Not reported	1810 SE 10TH AVE	S 1/8 - 1/4 (0.214 mi.)	BB258	327
ORIENTAL GARAGE	628 SE BELMONT	NW 1/8 - 1/4 (0.217 mi.)	AM262	330
ROBINSON GUST L	804 SE 12TH AVE	NNE 1/8 - 1/4 (0.218 mi.)	AW264	331
FRED AND LLOYD S AUT	1135 SE MORRISON	NNE 1/8 - 1/4 (0.219 mi.)	AX265	331
FRED LLOYD S AUTO SE	1135 SE MORRISON ST	NNE 1/8 - 1/4 (0.219 mi.)	AX266	331
POWELL LEE G	633 SE BELMONT	NW 1/8 - 1/4 (0.220 mi.)	AM270	332
SANDERS MAGNETO SERV	616 SE BELMONT	NW 1/8 - 1/4 (0.221 mi.)	AM273	333
Not reported	1750 SE MULBERRY AVE	SE 1/8 - 1/4 (0.221 mi.)	BD277	334
JACKSON CHESTER O	728 SE MORRISON	NNW 1/8 - 1/4 (0.226 mi.)	BC285	336
KNOX LARRY TEXACO SE	726 SE MORRISON	NNW 1/8 - 1/4 (0.226 mi.)	BC286	337
MATCHBOX MOTORS	600 SE BELMONT ST	NW 1/8 - 1/4 (0.227 mi.)	AU287	337
LONG AND SILVA GARAG	462 HAWTHORNE AVE	WSW 1/8 - 1/4 (0.227 mi.)	BF288	337
MILLER LOUIS F	454 HAWTHORNE AVE	WSW 1/8 - 1/4 (0.230 mi.)	BF292	338
NORTHWEST AUTO LEASE	1205 SE MORRISON	NNE 1/8 - 1/4 (0.232 mi.)	BH295	340
CAMP BOB SERVICE	1205 SE MORRISON ST	NNE 1/8 - 1/4 (0.232 mi.)	BH296	340
WEBB S GARAGE	1802 SE 7TH AVE	SSW 1/8 - 1/4 (0.234 mi.)	BJ299	341
BARNEKOFF SERVICE ST	1638 SE GRAND AVE	SW 1/8 - 1/4 (0.234 mi.)	AS300	342
MITCHELL S SERVICE S	1509 SE HAWTHORNE BL	ESE 1/8 - 1/4 (0.235 mi.)	BG301	342
CUMMINGS TIRE CO INC	734 SE 7TH AVE	NNW 1/8 - 1/4 (0.235 mi.)	BC302	343
MILLER CARL FENDER S	1025 SE GRAND AVE	NW 1/8 - 1/4 (0.235 mi.)	BI304	347
Not reported	715 SE 10TH AVE	N 1/8 - 1/4 (0.236 mi.)	AX306	354
HOLLIS ELECTRIC AND	1302 SE UNION	W 1/8 - 1/4 (0.237 mi.)	AY308	355
AUTO GREASING STATIO	436 HAWTHORNE AVE	WSW 1/8 - 1/4 (0.238 mi.)	BF310	355
AUTO GREASING STATIO	434 HAWTHORNE AVE	WSW 1/8 - 1/4 (0.239 mi.)	BF311	355
Not reported	1515 SE HAWTHORNE BL	ESE 1/8 - 1/4 (0.239 mi.)	BG312	356
LOGAN OLDSMOBILE CO	1005 SE GRAND AVE	NW 1/8 - 1/4 (0.240 mi.)	BI313	356
BENNION MOTOR CO	424 SE MAIN	W 1/8 - 1/4 (0.241 mi.)	315	357
HARE DOKTOR V W SERV	720 SE 11TH AVE	NNE 1/8 - 1/4 (0.242 mi.)	316	357

Lower Elevation	Address	Direction / Distance	Map ID	Page
TRUCK AND TRAILER SP	1240 SE 9TH AVE	NNW 0 - 1/8 (0.002 mi.)	B2	14
POWER REBUILT PRODUC	1315 SE 9TH AVE	W 0 - 1/8 (0.010 mi.)	A5	22
Not reported	900 SE SALMON ST	NNW 0 - 1/8 (0.022 mi.)	B9	53
PIERCE L H AUTO SERV	938 SE 9TH AVE	N 1/8 - 1/4 (0.135 mi.)	X113	198
WEBERS GARAGE	900 BELMONT	N 1/8 - 1/4 (0.151 mi.)	X143	222
SUNNYSIDE JOY WELL S	816 BELMONT	NNW 1/8 - 1/4 (0.163 mi.)	AC163	232
GRAND CENTRAL STATIO	808 BELMONT ST	NNW 1/8 - 1/4 (0.164 mi.)	AC166	236
JOHNNIES S SUPER SER	835 BELMONT	NNW 1/8 - 1/4 (0.167 mi.)	X170	241
LONG AND GROSHENS	823 SE 8TH	NNW 1/8 - 1/4 (0.221 mi.)	BC271	333
LONG AND GROSHENS	823 SE 8TH AVE	NNW 1/8 - 1/4 (0.221 mi.)	BC272	333

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
LONG AND GROSHENS	821 SE 8TH AVE	NNW 1/8 - 1/4 (0.221 mi.)	BC274	333
LONG AND GROSHENS	821 SE 8TH	NNW 1/8 - 1/4 (0.221 mi.)	BC276	334

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there are 34 EDR Hist Cleaner sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LIBERTY LAUNDRY CO	1420 SE 11TH AVE	ESE 0 - 1/8 (0.033 mi.)	E13	54
Not reported	833 SE MAIN ST	WNW 0 - 1/8 (0.038 mi.)	B15	55
NATIONAL LAUNDRY CO	1513 SE 9TH AVE	SSW 0 - 1/8 (0.055 mi.)	G28	73
HAWTHORNE CLEANERS A	1105 HAWTHORNE AVE	SE 0 - 1/8 (0.056 mi.)	E31	78
RAINBOW CLEANERS	1060 HAWTHORNE AVE	SSE 0 - 1/8 (0.057 mi.)	H33	79
BLACK CHESTER A	1066 HAWTHORNE AVE	SSE 0 - 1/8 (0.057 mi.)	H34	79
NATIONAL LAUNDRY CO	828 SE HAWTHORNE BLV	SW 0 - 1/8 (0.070 mi.)	G45	99
CREGON LAUNDRY CLEAN	1406 SE 12TH AVE	ESE 0 - 1/8 (0.081 mi.)	N52	112
ON TIME CLEANIERS	751 HAWTHORNE AVE	SW 0 - 1/8 (0.092 mi.)	K61	127
ARARAT CLEANERS DYOV	1206 SE CLAY ST	SE 1/8 - 1/4 (0.131 mi.)	S110	197
ARARAT CLEANERS AND	1206 SE CLAY	SE 1/8 - 1/4 (0.131 mi.)	S111	198
BOYD EUG E	651 HAWTHORNE AVE	WSW 1/8 - 1/4 (0.137 mi.)	R115	199
PANTORIUM DYE WKS	1008 BELMONT	N 1/8 - 1/4 (0.150 mi.)	AF138	221
PANTORIUM DYE WORKS	1010 BELMONT	N 1/8 - 1/4 (0.150 mi.)	AF140	222
PACIFIC LAUNDRY MACH	615 SE HAWTHORNE BLV	WSW 1/8 - 1/4 (0.154 mi.)	Z147	223
ARARAT CLEANERS AND	1639 SE 12TH AVE	SE 1/8 - 1/4 (0.157 mi.)	AH150	229
SUNNYSIDE LAUNDRY	997 BELMONT	N 1/8 - 1/4 (0.158 mi.)	AF153	230
BELMONT CLEANERS	923 BELMONT	N 1/8 - 1/4 (0.158 mi.)	X154	230
JOY THE TAILOR	1043 BELMONT	NNE 1/8 - 1/4 (0.160 mi.)	AF158	231
VAUGHAN BESSIE L MRS	1137 BELMONT	NNE 1/8 - 1/4 (0.174 mi.)	AJ177	249
JOY THE TAILOR	1387 HAWTHORNE AVE	ESE 1/8 - 1/4 (0.175 mi.)	AA180	250
NEW LIFE CLEANERS	1711 SE 12TH AVE	SSE 1/8 - 1/4 (0.181 mi.)	AH189	262
KIRBY CLEANERS	1413 SE HAWTHORNE BL	ESE 1/8 - 1/4 (0.186 mi.)	AA199	275
REEDY H S	487 HAWTHORNE AVE	WSW 1/8 - 1/4 (0.188 mi.)	AD201	275
LA TOSH WIPING RAG L	1613 SE 6TH AVE	SW 1/8 - 1/4 (0.192 mi.)	AS217	281
LAURELHURST CLEANERS	1260 BELMONT	NE 1/8 - 1/4 (0.201 mi.)	AW237	290
YALE UNION LAUNDRY	800 SE 10TH AVE	N 1/8 - 1/4 (0.202 mi.)	AV238	291
NU WAY LAUNDRY CO	468 HAWTHORNE AVE	WSW 1/8 - 1/4 (0.224 mi.)	BF280	335
STORNS RICHD L	1338 BELMONT	NE 1/8 - 1/4 (0.229 mi.)	291	338
ALLYN S CLEANING AND	1006 SE GRAND AVE	NW 1/8 - 1/4 (0.233 mi.)	BI297	340
FOUR SQUARE CLEANERS	1116 UNION AVE N	WNW 1/8 - 1/4 (0.242 mi.)	AZ317	358

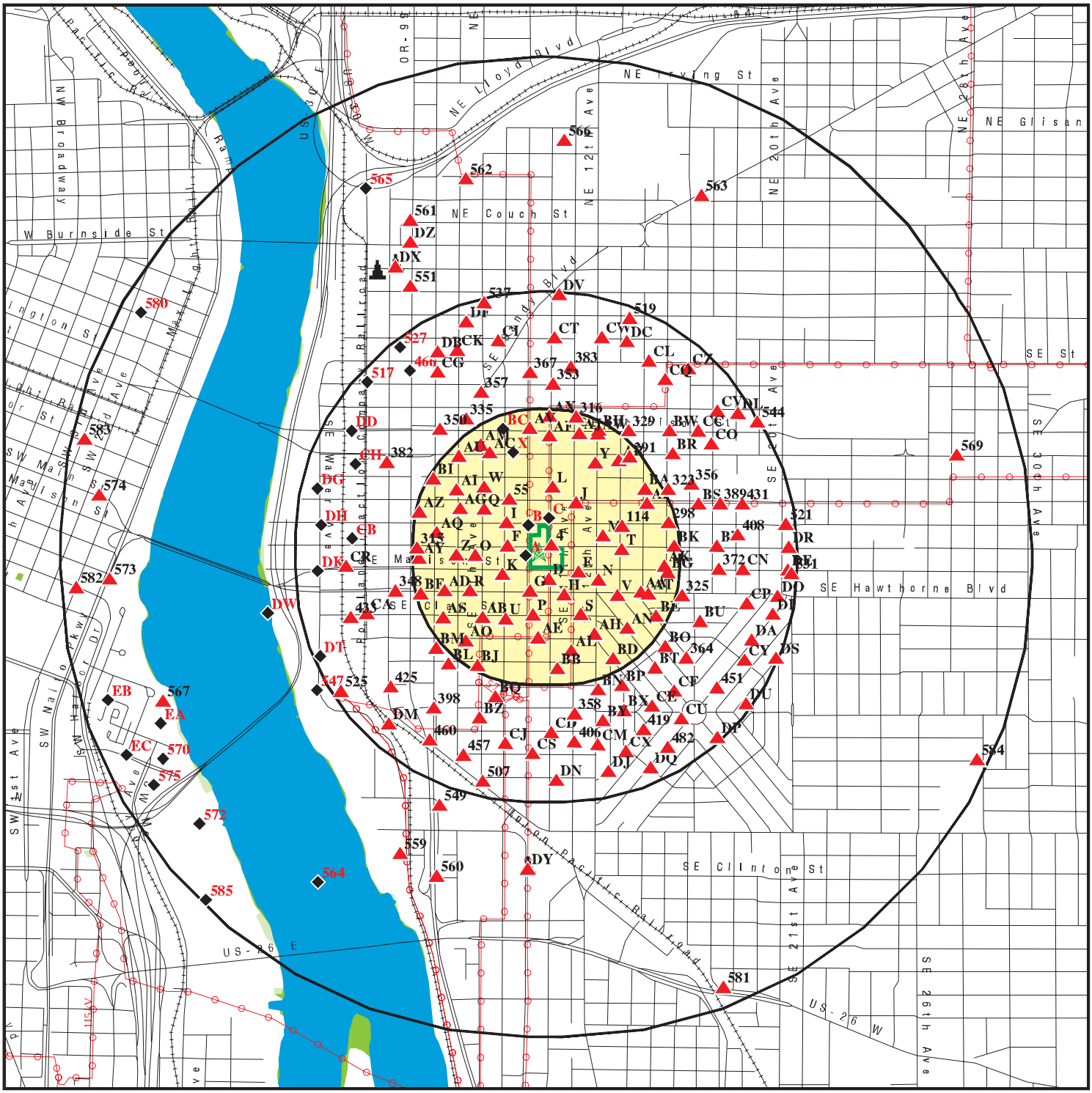
Lower Elevation	Address	Direction / Distance	Map ID	Page
MILLER S LAUNDERETTE	904 SE BELMONT	N 1/8 - 1/4 (0.151 mi.)	X142	222
GRAND CENTRAL CLEANE	839 SE BELMONT	NNW 1/8 - 1/4 (0.166 mi.)	X169	241
SNOWFLAKE LAUNDRY	821 SE 8TH AVE	NNW 1/8 - 1/4 (0.221 mi.)	BC275	334

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 21 records.

Site Name	Database(s)
FORMER WHIRLPOOL DRY CLEANER SITE	OR ECSI, OR VCP, RCRA NonGen / NLR, OR MANIFEST
TRI-MET SOUTH CORRIDOR EXTENSION	OR ECSI, OR VCP
PORTLAND-MILWAUKIE LIGHT RAIL (PML	OR ECSI, OR VCP
OHSU - MOODY AVE. UNITS A, B, C	OR ECSI, OR CRL, OR ENG CONTROLS, OR VCP, OR BROWNFIELDS
EAST SIDE CSO	OR ECSI, OR VCP
ODOT - PORTLAND HARBOR SOURCE CONT	OR ECSI, OR VCP
V.A.- COLUMBIA SOUTH SHORE WELLFIE	OR ECSI
HOYT STREET RAILYARD (FORMER)	OR ECSI, OR CRL, OR ENG CONTROLS, OR INST CONTROL, OR VCP, OR BROWNFIELDS
PACIFIC POWER & LIGHT-SW LINCOLN S	CERCLIS-NFRAP, RCRA NonGen / NLR
HEATING OIL TANK	OR LUST
HEATING OIL TANK	OR LUST
HEATING OIL TANK	OR LUST
HEATING OIL TANK	OR LUST
HAWTHORNE BRIDGE OVERPASS	OR LUST
GREYHOUND TANKS	OR LUST
HEATING OIL TANK	OR LUST
HEATING OIL TANK	OR LUST
ODOT REGION 1 PARCEL 2C	OR LUST
HEATING OIL TANK	OR LUST
HEATING OIL TANK	OR LUST
HEATING OIL TANK	OR LUST

OVERVIEW MAP - 4554862.2S



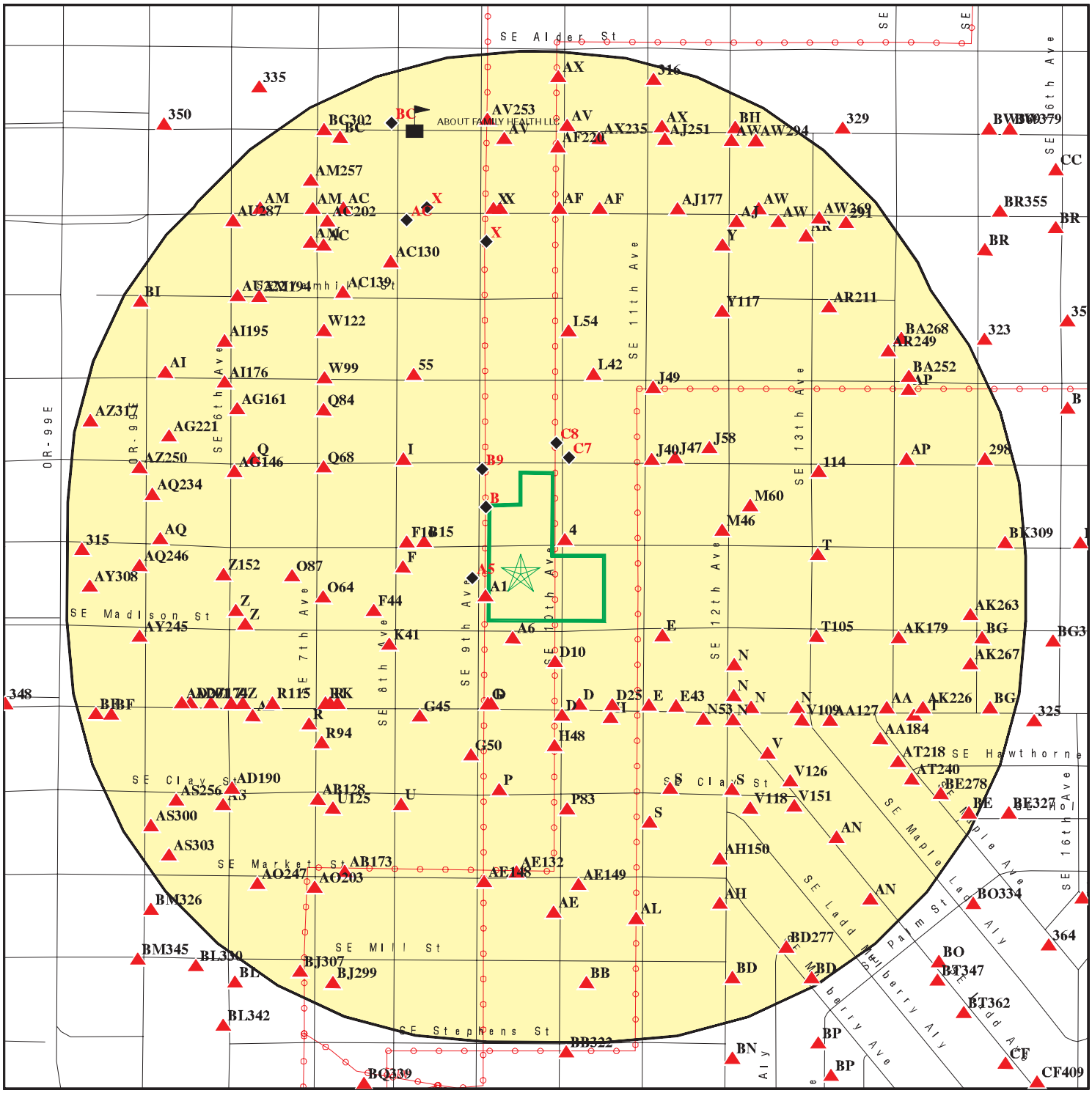
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Proposed SE Portland Redevelopment Site	CLIENT: GeoDesign Inc.
ADDRESS: 1306 SE 9th Ave Portland OR 97214	CONTACT: Kevin Cline
LAT/LONG: 45.513427 / 122.656205	INQUIRY #: 4554862.2s DATE: March 03, 2016 6:45 pm

Copyright © 2016 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 4554862.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Proposed SE Portland Redevelopment Site	CLIENT:	GeoDesign Inc.
ADDRESS:	1306 SE 9th Ave Portland OR 97214	CONTACT:	Kevin Cline
LAT/LONG:	45.513427 / 122.656205	INQUIRY #:	4554862.2s
		DATE:	March 03, 2016 6:46 pm

Copyright © 2016 EDR, Inc. © 2015 TomTom Rel. 2015.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
CERCLIS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERCLIS-NFRAP	0.500		1	0	4	NR	NR	5
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		8	5	NR	NR	NR	13
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
OR CRL	1.000		1	0	3	13	NR	17
OR ECSI	1.000		3	3	17	37	NR	60
State and tribal landfill and/or solid waste disposal site lists								
OR SWF/LF	0.500		0	0	1	NR	NR	1
State and tribal leaking storage tank lists								
OR LUST	0.500		18	70	203	NR	NR	291
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
OR UST	0.250		10	14	NR	NR	NR	24
OR AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
OR ENG CONTROLS	0.500		1	0	1	NR	NR	2
OR INST CONTROL	0.500		1	0	2	NR	NR	3
State and tribal voluntary cleanup sites								
OR VCP	0.500		2	3	9	NR	NR	14
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
OR BROWNFIELDS	0.500		0	0	5	NR	NR	5
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
OR SWRCY	0.500		0	0	0	NR	NR	0
OR HIST LF	0.500		0	0	0	NR	NR	0
WA SWRCY	0.500		0	2	1	NR	NR	3
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
OR AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
OR CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
OR SPILLS	0.001		0	NR	NR	NR	NR	0
OR HAZMAT	0.001		0	NR	NR	NR	NR	0
OR SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		19	13	NR	NR	NR	32
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
OR AIRS	0.001		0	NR	NR	NR	NR	0
OR COAL ASH	0.500		0	0	0	NR	NR	0
OR DRYCLEANERS	0.250		0	0	NR	NR	NR	0
OR Financial Assurance	0.001		0	NR	NR	NR	NR	0
CA HAZNET	TP		NR	NR	NR	NR	NR	0
OR HSIS	0.001		0	NR	NR	NR	NR	0
OR MANIFEST	0.250		4	3	NR	NR	NR	7
NY MANIFEST	0.250		1	0	NR	NR	NR	1
OR NPDES	0.001		0	NR	NR	NR	NR	0
OR UIC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	3	NR	3
EDR Hist Auto	0.250		45	97	NR	NR	NR	142
EDR Hist Cleaner	0.250		9	25	NR	NR	NR	34
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
OR RGA HWS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
OR RGA LF	0.001		0	NR	NR	NR	NR	0
OR RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	124	235	246	53	0	658

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
SW
< 1/8
0.002 mi.
10 ft.

CUSTOM STAMPING & MFG CO
1340 SE 9TH
PORTLAND, OR 97214

Site 1 of 3 in cluster A

RCRA NonGen / NLR **1000415952**
FINDS **ORD043670918**
OR HSIS
OR MANIFEST
ECHO

Relative:
Higher

Actual:
42 ft.

RCRA NonGen / NLR:

Date form received by agency:	12/31/2004
Facility name:	CUSTOM STAMPING & MFG CO
Facility address:	1340 SE 9TH PORTLAND, OR 97214
EPA ID:	ORD043670918
Mailing address:	PO BOX 14340 PORTLAND, OR 97293-0340
Contact:	DAVID STOUDT
Contact address:	PO BOX 14340 PORTLAND, OR 97293-0340
Contact country:	US
Contact telephone:	(503) 238-3700
Contact email:	Not reported
EPA Region:	10
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	DAVID STOUDT
Owner/operator address:	13429 SE SIERRA DR CLACKAMAS, OR 97015
Owner/operator country:	US
Owner/operator telephone:	(503) 238-3700
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/08/1998
Owner/Op end date:	Not reported

Owner/operator name:	DAVID STOUDT
Owner/operator address:	13429 SE SIERRA DR CLACKAMAS, OR 97015
Owner/operator country:	US
Owner/operator telephone:	(503) 238-3700
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/08/1998
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

CUSTOM STAMPING & MFG CO (Continued) **1000415952**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:

Date form received by agency: 12/31/2003
Site name: CUSTOM STAMPING & MFG CO
Classification: Not a generator, verified

Date form received by agency: 01/28/2003
Site name: CUSTOM STAMPING & MFG CO
Classification: Not a generator, verified

Date form received by agency: 01/17/2002
Site name: CUSTOM STAMPING & MFG CO
Classification: Not a generator, verified

Date form received by agency: 01/26/2001
Site name: CUSTOM STAMPING & MFG CO
Classification: Not a generator, verified

Date form received by agency: 01/27/2000
Site name: CUSTOM STAMPING & MFG CO
Classification: Not a generator, verified

Date form received by agency: 03/05/1999
Site name: CUSTOM STAMPING & MFG CO
Classification: Not a generator, verified

Date form received by agency: 03/05/1999
Site name: CUSTOM STAMPING & MFG CO
Classification: Not a generator, verified

Date form received by agency: 01/12/1998
Site name: CUSTOM STAMPING & MFG CO
Classification: Not a generator, verified

Date form received by agency: 04/11/1997
Site name: CUSTOM STAMPING & MFG CO
Classification: Not a generator, verified

Date form received by agency: 03/21/1996
Site name: CUSTOM STAMPING & MFG CO
Classification: Not a generator, verified

Date form received by agency: 03/02/1995
Site name: CUSTOM STAMPING & MFG CO
Classification: Not a generator, verified

Date form received by agency: 01/24/1994
Site name: CUSTOM STAMPING & MFG CO
Classification: Not a generator, verified

CUSTOM STAMPING & MFG CO (Continued) **1000415952**

Date form received by agency: 10/21/1993
Site name: CUSTOM STAMPING & MFG CO
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Date form received by agency: 02/19/1992
Site name: CUSTOM STAMPING & MFG CO
Classification: Not a generator, verified

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/13/1984
Date achieved compliance: 03/27/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/13/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 03/13/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 03/27/1984
Evaluation lead agency: State

FINDS:

Registry ID: 110004782619

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HSIS:
Facility Id: 004630
Chemical Is Extremely Hazardous Substance (EHS): No

CUSTOM STAMPING & MFG CO (Continued) **1000415952**

Department Or Division Of Company: Not reported
Facility Has Written Emergency Plan: Yes
Contains 112R: No
NAICS Code 1: 332116
NAICS Desc 1: MTL STAMPING
NAICS Code 2: 333514
NAICS Desc 2: SPECIAL DIE & TOOL, DIE SET, JIG, & FIXTU
Manager Name: DAVID STOUDT
Business Phone: 5032383700
Mailing Address: PO BOX 14340
Mailing City,St,Zip: PORTLAND, OR 972930340
No. of Employees: 20
Day Phone: 5032383700
Placard: Yes
Fire Dept Code: 0291
Sprinkler System: No
Emergency Contact: DAVID STOUDT
Emergency Procedure: WESST BULLETIN BOARD BY TIME CLOCK
Business Type: METAL STAMPING

Facility:

Facility Id: 004630
Physical State Of The Substance: 3
Physical State: GAS
Average Amount Possessed During The Year Code: 11
Maximum Amount Possessed During The Year Code: 11
Applicable Unit Of Measure Code: 3
Description Of The Unit Of Measure: CUBIC FEET
Type Code: L
Description: CYLINDER
Type Code: Not reported
Temperature Description: Not reported
Pressure of Code: 2
Pressure Description: GREATER THAN NORMAL PRESSURE
Pressure of Code: Not reported
Pressure Description: Not reported
Temperature Description: NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code: 4
Temperature Description: Not reported
Temperature of The Hazardous Substance Code: Not reported
Days Hazardous Substance On Site During Year: 365
Is The Substance Protected A Trade Secret: False
Description Of The Max Qnty Code: 500-999
Description Of The Avg Qnty Code: 500-999
Most Hazardous Ingridient: ARGON
United Nations/north America 4 Digit Class Number: 1956
Hazard Rank: 2
EHS Ingredient: Not reported
Substance Pure: False
Substance Mix: True
First Hazardous Class Code For Chemical: Non-flammable Gas
Second Hazardous Class Code For Chemical: Acute Health Hazard
Third Hazardous Class Code For Chemical: Not reported
Hazard Class 1 Of The Chemical: 2.2
Hazard Class 2 Of The Chemical: 6.3
Hazard Class 3 Of The Chemical: Not reported

Chemical:

CUSTOM STAMPING & MFG CO (Continued) **1000415952**

United Nations/north America 4 Digit Class Number:	1956
Chemical Abstract Service Identifier Number:	7440371
Chemical Is Extremely Hazardous Substance (EHS):	No
First Hazardous Class Code For Chemical:	Non-flammable Gas
Second Hazardous Class Code For Chemical:	Acute Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	2.2
Hazard Class 2 Of The Chemical:	6.3
Hazard Class 3 Of The Chemical:	Not reported
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Contains 112R:	No
Contains EHS:	No
Fertilizer:	No
Pesticide:	No
Contains 313:	No

OR MANIFEST:

Manifest Year:	Manifest Year - 2004
EPA Id:	ORD043670918
Inactive Status:	2004-12-31 00:00:00
Organization Name:	Not reported
Contact Name:	David Stoudt
Contact Telephone Number:	(503) 238-3700
Mailing Address:	PO Box 14340
Mailing City/State/Zip:	Portland, OR 97293-0340

ECHO:

Envid:	1000415952
Registry ID:	110004782619
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51315
Longitude:	-122.65641
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011175
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported

CUSTOM STAMPING & MFG CO (Continued) **1000415952**

Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	03/13/1984
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported

CUSTOM STAMPING & MFG CO (Continued) **1000415952**

CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD043670918
RCRA Permit Types:	Other
RCRA NAICS:	332116
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004782619
Facility SIC Codes:	Not reported
Facility NAICS Codes:	332116
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	03/13/1984
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

B2 **TRUCK AND TRAILER SPECIALTIES INC** **EDR Hist Auto** **1009486106**
NNW **1240 SE 9TH AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.002 mi.
11 ft. **Site 1 of 4 in cluster B**

Relative:
Lower

EDR Historical Auto Stations:

Name:	TRUCK AND TRAILER SPECIALTIES INC
Year:	1985
Type:	AUTOMOBILE REPAIRING

Actual:
40 ft.

B3 **FORWARDERS TRANSFER INC** **RCRA NonGen / NLR** **1000435196**
NNW **1240 SE 9TH AVE** **FINDS** **ORD981761661**
< 1/8 **PORTLAND, OR 97214** **ECHO**
0.002 mi.
11 ft. **Site 2 of 4 in cluster B**

Relative:
Lower

Actual:
40 ft.

RCRA NonGen / NLR:
Date form received by agency: 12/06/1991
Facility name: FORWARDERS TRANSFER INC
Facility address: 1240 SE 9TH AVE
PORTLAND, OR 97214
EPA ID: ORD981761661
Mailing address: PO BOX 14892
PORTLAND, OR 97214
Contact: NO DATA ENTERED NO DATA ENTERED
Contact address: Not reported
,,
Contact country: US
Contact telephone: NO DATA ENTERED
Contact email: Not reported
EPA Region: 10
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: FORWARDERS TRANSFER INC
Owner/operator address: NO DATA ENTERED
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 12/06/1991
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NONE
. Waste name: None

Historical Generators:
Date form received by agency: 10/14/1986
Site name: FORWARDERS TRANSFER INC

FORWARDERS TRANSFER INC (Continued) **1000435196**

Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110004792626

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1000435196
Registry ID:	110004792626
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51387
Longitude:	-122.65641
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011176
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0

FORWARDERS TRANSFER INC (Continued) **1000435196**

Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD981761661
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0

FORWARDERS TRANSFER INC (Continued) **1000435196**

RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004792626
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

---

4 **FRICTION PRODUCTS MFG CO INC** **RCRA NonGen / NLR** **1000181086**
NE **1001 SE MAIN ST** **FINDS** **ORD068783679**
< 1/8 **PORTLAND, OR 97214** **ECHO**
0.008 mi.
40 ft.

Relative:
Higher

Actual:
42 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/11/2001
Facility name:	FRICTION PRODUCTS MFG CO INC
Facility address:	1001 SE MAIN ST PORTLAND, OR 97214
EPA ID:	ORD068783679
Contact:	J CLARK HILDUM
Contact address:	1001 SE MAIN ST PORTLAND, OR 97214
Contact country:	US
Contact telephone:	(503) 234-5461
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	FRICTION PRODUCTS MFG CO INC

FRICTION PRODUCTS MFG CO INC (Continued) **1000181086**

Owner/operator address: 1001 SE MAIN ST
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: (503) 234-5461
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/11/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: U013
. Waste name: Not Defined

Historical Generators:
Date form received by agency: 08/18/1980
Site name: FRICTION PRODUCTS MFG CO INC
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110004785616

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1000181086
Registry ID: 110004785616
FIPS Code: 41051
EPA Region: 10
Indian Country Flag: N
Federal Flag: Not reported

FRICTION PRODUCTS MFG CO INC (Continued) **1000181086**

US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51386
Longitude:	-122.65539
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011177
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported

FRICTION PRODUCTS MFG CO INC (Continued) **1000181086**

CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD068783679
RCRA Permit Types:	Other
RCRA NAICS:	333999
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004785616
Facility SIC Codes:	Not reported
Facility NAICS Codes:	333999
Facility Date Last Inspection EPA:	Not reported

FRICTION PRODUCTS MFG CO INC (Continued) **1000181086**

Facility Date Last Inspection State: Not reported
Facility Date Last Formal ACT EPA: Not reported
Facility Date Last Formal ACT ST: Not reported
Facility Date Last Inforamal ACT EPA: Not reported
Facility Date Last Informal ACT ST: Not reported
Facility Federal Agency: Not reported
TRI Reporter: Not reported
Facility IMP Water Flag: Not reported

A5 **POWER REBUILT PRODUCTS CO** **EDR Hist Auto** **1009486509**
West **1315 SE 9TH AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.010 mi.
51 ft. **Site 2 of 3 in cluster A**

Relative:
Lower

Actual:
41 ft.

EDR Historical Auto Stations:
Name: POWER REBUILT PRODUCTS CO
Year: 1975
Type: AUTOMOBILE REPAIRING

Name: POWER REBUILT PRODUCTS CO
Year: 1981
Type: AUTOMOBILE REPAIRING

A6 **HEATING OIL TANK** **OR LUST** **S118347612**
South **940 SE MADISON ST** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.010 mi.
52 ft. **Site 3 of 3 in cluster A**

Relative:
Higher

Actual:
43 ft.

LUST:
Region: North Western Region
Facility ID: 26-15-1002
Cleanup Received Date: 07/20/2015
Cleanup Start Date: Not reported
Cleanup Complete Date: 09/22/2015
Decode for Region: North West Region

C7 **AIR FILTER SALES AND SERVICE, INC.** **RCRA NonGen / NLR** **1000114116**
NNE **1138 SE 10TH AVE** **FINDS** **ORD009422213**
< 1/8 **PORTLAND, OR 97214** **ECHO**
0.013 mi.
71 ft. **Site 1 of 2 in cluster C**

Relative:
Lower

Actual:
40 ft.

RCRA NonGen / NLR:
Date form received by agency: 12/04/1986
Facility name: AIR FILTER SALES AND SERVICE, INC.
Facility address: 1138 SE 10TH AVE
PORTLAND, OR 97214
EPA ID: ORD009422213
Mailing address: 1138 SE 10TH AVENUE
PORTLAND, OR 97214
Contact: Not reported
Contact address: Not reported
Not reported

AIR FILTER SALES AND SERVICE, INC. (Continued) **1000114116**

Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 10
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: RICHARD STAUSS
Owner/operator address: 1138 SE 10TH AVENUE
PORTLAND, OR 97214
Owner/operator country: Not reported
Owner/operator telephone: (503) 233-5101
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 12/04/1986
Site name: AIR FILTER SALES AND SERVICE, INC.
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110004779847

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AIR FILTER SALES AND SERVICE, INC. (Continued) **1000114116**

ECHO:

Envid:	1000114116
Registry ID:	110004779847
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51471
Longitude:	-122.65539
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011178
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported

AIR FILTER SALES AND SERVICE, INC. (Continued) **1000114116**

CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD009422213
RCRA Permit Types:	Other
RCRA NAICS:	336399 33341
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported

AIR FILTER SALES AND SERVICE, INC. (Continued) **1000114116**

FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004779847
Facility SIC Codes:	Not reported
Facility NAICS Codes:	336399 33341
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

C8
NNE
< 1/8
0.018 mi.
96 ft.

Relative:
Lower

Actual:
39 ft.

OREGON BRASS WORKS
1127 SOUTHEAST 10TH AVENUE
PORTLAND, OR 97214

Site 2 of 2 in cluster C

OR ECSI **1000236245**
OR CRL **ORD009025644**
OR LUST
OR UST
OR ENG CONTROLS
OR INST CONTROL
OR VCP
RCRA NonGen / NLR
FINDS
ECHO

ECSI:

State ID Number:	2550
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	831
Investigation:	Listed on the CRL/Inventory
FACA ID:	1221
Further Action:	0
Lat/Long (dms):	45 30 53.00 / -122 39 21.00
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	2
Qtr Section:	BD
Tax Lots:	2700
Size:	0.92 acre
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	05/14/2013
Created Date:	04/03/2000
Decode For RegionID:	Northwest Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	Listed on the CRL/Inventory
Decode For Legislative:	Owner, operator or other party under agreement, order or consent

OREGON BRASS WORKS (Continued) **1000236245**

decree under ORS 465.200 or 465.420

Alias Name: Colonial Guild
Alias Name: Puget Sound Casket Co.

Hazardous Release:
Substance ID.: 121664
Haz Release ID: 382577
Qty Released: unknown
Date Released: unknown
Update Date: 03/04/2000
Update By: Not reported
Substance Code: 7440-38-2
Substance Name: ARSENIC
Substance Abbrev.: Not reported
Substance Category ID: 8439
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8439
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319286
Sub Alias Name: AS
Sampling Result ID: 339435
Feature Id: Not reported
Hazard Release Id: 382577
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 38.7 mg/kg
Last Update By: jmw
Update Date: 04/03/2000
Decode for MediumID: Soil

Substance ID.: 121639
Haz Release ID: 382578
Qty Released: unknown
Date Released: unknown
Update Date: 03/04/2000
Update By: Not reported
Substance Code: 7439-92-1
Substance Name: LEAD
Substance Abbrev.: Not reported
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported

OREGON BRASS WORKS (Continued) **1000236245**

Created Date: 12/17/2002
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319256
Sub Alias Name: PB
Sampling Result ID: 339436
Feature Id: Not reported
Hazard Release Id: 382578
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 1850 mg/kg
Last Update By: jmw
Update Date: 04/03/2000
Decode for MediumID: Soil

Substance ID.: 122012
Haz Release ID: 382579
Qty Released: unknown
Date Released: unknown
Update Date: 03/04/2000
Update By: Not reported
Substance Code: ECD275
Substance Name: TOTAL PETROLEUM HYDROCARBONS (TPH)
Substance Abbrev.: Not reported
Substance Category ID: 8540
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8540
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Sampling Result ID: 339437
Feature Id: Not reported
Hazard Release Id: 382579
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported

OREGON BRASS WORKS (Continued) **1000236245**

End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 44000 mg/kg
Last Update By: jmw
Update Date: 04/03/2000
Decode for MediumID: Soil

Substance ID.: 121374
Haz Release ID: 382581
Qty Released: unknown
Date Released: unknown
Update Date: 03/04/2000
Update By: Not reported
Substance Code: 50-32-8
Substance Name: BENZO(a)PYRENE
Substance Abbrev.: Not reported
Substance Category ID: 8476
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8476
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318559
Sub Alias Name: B(a)P
Substance Alias ID: 318560
Sub Alias Name: BENZOPYRENE,3,4-
Substance Alias ID: 318561
Sub Alias Name: BENZPYRENE,3,4-
Substance Alias ID: 318562
Sub Alias Name: BP
Sampling Result ID: 339438
Feature Id: Not reported
Hazard Release Id: 382581
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 1.57 mg/kg
Last Update By: jmw
Update Date: 04/03/2000
Decode for MediumID: Soil

Narrative:
NARR ID: 5739503
NARR Code: Contamination
Created By: Not reported

OREGON BRASS WORKS (Continued) **1000236245**

Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Contamination
NARR Comments: (4/3/00 RGS/VCP) Several areas with soil containing hazardous substances have been identified on-site, including: 1) abandoned USTs and associated piping; 2) interior building surfaces; 3) metal slag fill; 4) chemical storage areas; 5) plating area; 6) drum-storage area; 7) foundry area; 8) maintenance shop; 9) paint room; and 10) furnace room. Low levels of metals and PAHs were detected in site groundwater. Former USTs have been abandoned in place.

NARR ID: 5739504
NARR Code: Data Sources
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Data Sources
NARR Comments: 1) ICP Application; 2) Preliminary Data Package, March 2000; 3) ***Summary of Site Investigation - Oregon Brass Works, Portland, Oregon,*** Bridgewater Group, Inc., 4/26/00; 4)Risk Assessment and Feasibility Study, Bridgewater Group, 1/26/01; 5) DEQ Record of Decision, 4/30/01; 6) Easement and Equitable Servitude.

NARR ID: 5739505
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Metals, VOCs, PAHs, hydrocarbons

NARR ID: 5739506
NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release
NARR Comments: Petroleum and PAH contamination in soil and groundwater associated with abandoned USTs. Site appears to have limited metals contamination in soil.

NARR ID: 5739507
NARR Code: Media Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Media Contamination
NARR Comments: Soil, interior building surfaces, and groundwater has been impacted by former site operations.

NARR ID: 5739508
NARR Code: Remedial Action

OREGON BRASS WORKS (Continued) **1000236245**

Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Remedial Action
NARR Comments: (5/3/00 RGS/VCP) The current and past owners are working cooperatively to address outstanding site issues through the ICP. Site characterization report was submitted for DEQ review in April 2000. (2/6/01 RGS/VCP) Focused Risk Assessment and Feasibility Study were submitted to DEQ in January 2001. DEQ prepared staff report recommending the proposed remedy for the facility. The public comment period on the proposed remedy was open February 1 - March 9, 2001. Proposed remedy includes capping and institutional controls, including deed restrictions. (4/2/01 RGS/VCP) No comments received on proposed remedy. Record of Decision (ROD) being prepared. (11/25/01 RGS/VCP) The ROD was signed April 30, 2001. Deed restrictions recorded under an ***Easement and Equitable Servitude*** (EES). The EES prohibits groundwater use at the site; prohibits residential use of the property; requires maintenance of the cap, hazard communications, soil management, and DEQ approval of future site redevelopment or building demolition. The EES was signed by DEQ and the current owner, Puget Sound Casket Company, on November 7, 2001. Recording of the EES is imminent.

Site Control:
Site Control #: 275
Control Number: 4
Begin Date: 04/30/2001
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: Rod Struck
Last Reviewed Date: 04/30/2001
Last Update By: GWISTAR
Last Updated Date: 09/16/2003
Site Comment: Easement and Equitable Servitude prohibits groundwater use.

Site Control #: 276
Control Number: 5
Begin Date: 04/30/2001
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: Rod Struck
Last Reviewed Date: 04/30/2001
Last Update By: GWISTAR
Last Updated Date: 09/16/2003
Site Comment: Easement and Equitable Servitude prohibits residential property use.

Site Control #: 277
Control Number: 35
Begin Date: 04/30/2001
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: Rod Struck
Last Reviewed Date: 04/30/2001
Last Update By: GWISTAR
Last Updated Date: 09/16/2003
Site Comment: Existing building, concrete, pavement serves as cap. Annual inspection report required.

OREGON BRASS WORKS (Continued) **1000236245**

Administrative Action:
Action ID: 9422
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Engineering Control
Further Action: Not reported
Comments: Existing building, concrete, pavement serves as cap. Annual inspection report required.

Action ID: 9428
Region: Northwestern Region
Complete Date: 07/12/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Extension requested by owner/operator
Further Action: Not reported
Comments: Not reported

Action ID: 9430
Region: Northwestern Region
Complete Date: 08/16/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Petition or request granted
Further Action: Not reported
Comments: Not reported

Action ID: 9451
Region: Northwestern Region
Complete Date: 09/07/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Owner/operator comments received on listing notification
Further Action: Not reported
Comments: Comments received from Richard Franchek, Locke Liddell & Sapp LLP.

OREGON BRASS WORKS (Continued) **1000236245**

Action ID: 9434
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Institutional Control
Further Action: Not reported
Comments: Easement and Equitable Servitude prohibits groundwater use or residential property use.

Action ID: 9438
Region: Northwestern Region
Complete Date: 12/21/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: Not reported
Comments: Not reported

Action ID: 9439
Region: Northwestern Region
Complete Date: 12/21/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: Not reported
Comments: Not reported

Action ID: 9459
Region: Northwestern Region
Complete Date: 02/01/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: Not reported
Comments: Not reported

OREGON BRASS WORKS (Continued) **1000236245**

Action ID: 9494
Region: Northwestern Region
Complete Date: 04/30/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: RECORD OF DECISION
Further Action: Not reported
Comments: Not reported

Action ID: 9498
Region: Northwestern Region
Complete Date: 02/01/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9499
Region: Northwestern Region
Complete Date: 02/01/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9465
Region: Northwestern Region
Complete Date: 05/31/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: Not reported
Comments: Not reported

Action ID: 9467

OREGON BRASS WORKS (Continued) **1000236245**

Region: Northwestern Region
Complete Date: 05/31/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: Not reported
Comments: Not reported

Action ID: 9511
Region: Northwestern Region
Complete Date: 02/01/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE INVESTIGATION
Further Action: Not reported
Comments: Not reported

Action ID: 9486
Region: Northwestern Region
Complete Date: 02/01/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: RISK ASSESSMENT
Further Action: Not reported
Comments: Not reported

Action ID: 9429
Region: Northwestern Region
Complete Date: 02/01/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: FEASIBILITY STUDY
Further Action: Not reported
Comments: Not reported

Action ID: 9424
Region: Not reported

OREGON BRASS WORKS (Continued) **1000236245**

Complete Date: 04/03/2000
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9435
Region: Northwestern Region
Complete Date: 12/07/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Independent Cleanup Program
Further Action: 0
Comments: SSTC/ICP requested.

Action ID: 9411
Region: Northwestern Region
Complete Date: 12/07/2001
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/05/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: No Further Action (Conditional)
Further Action: 0
Comments: Not reported

Operations:
Operation Id: 133759
Operation Status: Inactive
Common Name: Oregon Brass Works
Yrs of Operation: 1930-1998
Comments: Merged into Sheidow Bronze Corporation in October 1999.
Updated Date: 04/03/2000
Updated By: jmw
Decode for OpstatID: Inactive
Operations SIC Id: 197007
SIC Code: 3369
Created By: Not reported
Created Date: 12/17/2002
Operations SIC Id: 197008
SIC Code: 3300
Created By: Not reported
Created Date: 12/17/2002

OREGON BRASS WORKS (Continued) **1000236245**

CRL:
Facility ID: 2550
Location ID: 1221
Status Code: LIS
Facility Status: No Further Action (Conditional)
Lat/Long: 45.5147 / -122.6558

LUST:
Region: North Western Region
Facility ID: 26-90-0038
Cleanup Received Date: 01/29/1990
Cleanup Start Date: 01/26/1990
Cleanup Complete Date: 11/19/1990
Decode for Region: North West Region

UST:
Facility ID: 10179
Facility Telephone: (503) 232-7121
Permittee Name: JEFF DAVIS, ENVIRONMENTAL COORDINATOR
Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 4
Number of Tanks: 4

OR ENG CONTROL:
Site Control Sequence #: 277
Site Id: 2550
Control Sequence #: 35
Begin Date: 04/30/2001
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: Rod Struck
Last Review Date: 04/30/2001
Last Updated By: GWISTAR
Last Updated Date: 09/16/2003
Group Sequence #: 9
Control Code: BD
Control Description: Building(s)
FK Type Code: 2
Group Code: SB
Group Description: Surface Barriers
Type Code: E
Type Description: Engineering
Comments: Existing building, concrete, pavement serves as cap. Annual inspection report required.

OR INSTUTIONAL CONTROL:
Site Control Sequence #: 275
Site Id: 2550
Control Sequence #: 4
Begin Date: 04/30/2001
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: Rod Struck
Last Review Date: 04/30/2001

OREGON BRASS WORKS (Continued) **1000236245**

Last Updated By: GWISTAR
Last Updated Date: 09/16/2003
Group Sequence #: 2
Control Code: USG
Control Description: Use Restriction Groundwater
FK Type Code: 1
Group Code: PR
Group Description: Proprietary
Type Code: I
Type Description: Institutional
Comments: Easement and Equitable Servitude prohibits groundwater use.

Site Control Sequence #: 276
Site Id: 2550
Control Sequence #: 5
Begin Date: 04/30/2001
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: Rod Struck
Last Review Date: 04/30/2001
Last Updated By: GWISTAR
Last Updated Date: 09/16/2003
Group Sequence #: 2
Control Code: USL
Control Description: Use Restriction Land
FK Type Code: 1
Group Code: PR
Group Description: Proprietary
Type Code: I
Type Description: Institutional
Comments: Easement and Equitable Servitude prohibits residential property use.

VCS:
ECS Site ID: 2550
Facility Size: 0.92 acre
Action: No Further Action (Conditional)
Start Date: 12/07/2001
End Date: 12/07/2001
Facility Status: Completed
Program: ICP
Latitude: 45.51469
Longitude: -122.6558

RCRA NonGen / NLR:
Date form received by agency: 01/23/2002
Facility name: OREGON BRASS WORKS
Facility address: 1127 SE 10TH AVE
PORTLAND, OR 97214
EPA ID: ORD009025644
Mailing address: PO BOX 547
KINGWOOD, WV 26537
Contact: JOSEPH E GIVENS
Contact address: PO BOX 547
KINGWOOD, WV 26537
Contact country: US
Contact telephone: 304 329-1105 X-

OREGON BRASS WORKS (Continued) **1000236245**

Contact email: Not reported
EPA Region: 10
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: YORK BRONZE CO
Owner/operator address: 125 SISLER ST
KINGWOOD, WV 26537
Owner/operator country: US
Owner/operator telephone: (304) 329-1105
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/23/2002
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/22/2002
Site name: OREGON BRASS WORKS
Classification: Not a generator, verified

Date form received by agency: 10/23/2001
Site name: OREGON BRASS WORKS
Classification: Not a generator, verified

Date form received by agency: 03/05/2001
Site name: OREGON BRASS WORKS
Classification: Not a generator, verified

Date form received by agency: 03/05/2001
Site name: OREGON BRASS WORKS
Classification: Not a generator, verified

Date form received by agency: 03/22/1999
Site name: OREGON BRASS WORKS
Classification: Not a generator, verified

Date form received by agency: 03/05/1998

OREGON BRASS WORKS (Continued) **1000236245**

Site name: OREGON BRASS WORKS
Classification: Not a generator, verified

Date form received by agency: 03/01/1998
Site name: OREGON BRASS WORKS
Classification: Large Quantity Generator

Date form received by agency: 02/27/1997
Site name: OREGON BRASS WORKS
Classification: Not a generator, verified

Date form received by agency: 03/01/1996
Site name: OREGON BRASS WORKS
Classification: Large Quantity Generator

Date form received by agency: 02/28/1996
Site name: OREGON BRASS WORKS
Classification: Not a generator, verified

Date form received by agency: 03/01/1995
Site name: OREGON BRASS WORKS
Classification: Not a generator, verified

Date form received by agency: 03/01/1994
Site name: OREGON BRASS WORKS
Classification: Large Quantity Generator

Date form received by agency: 02/28/1994
Site name: OREGON BRASS WORKS
Classification: Not a generator, verified

Date form received by agency: 02/16/1993
Site name: OREGON BRASS WORKS
Classification: Not a generator, verified

Date form received by agency: 03/01/1992
Site name: OREGON BRASS WORKS
Classification: Large Quantity Generator

Date form received by agency: 02/26/1992
Site name: OREGON BRASS WORKS
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D008
. Waste name: LEAD

OREGON BRASS WORKS (Continued) **1000236245**

Date form received by agency: 03/10/1990
Site name: OREGON BRASS WORKS
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 03/18/1998
Date achieved compliance: 07/13/1998
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 06/02/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2776
Final penalty amount: 2776
Paid penalty amount: 2776

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 03/18/1998
Date achieved compliance: 07/13/1998
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/25/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 03/18/1998
Date achieved compliance: 07/13/1998
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/25/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 03/18/1998
Date achieved compliance: 07/13/1998
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 06/02/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

OREGON BRASS WORKS (Continued) **1000236245**

Proposed penalty amount: 2776
Final penalty amount: 2776
Paid penalty amount: 2776

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 03/18/1998
Date achieved compliance: 07/13/1998
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/25/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 03/18/1998
Date achieved compliance: 07/13/1998
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 06/02/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2776
Final penalty amount: 2776
Paid penalty amount: 2776

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/14/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 03/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1000

OREGON BRASS WORKS (Continued) **1000236245**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 04/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 1000
Paid penalty amount: 1000

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 02/01/1995
Date achieved compliance: 05/05/1995
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/14/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/14/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/14/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

OREGON BRASS WORKS (Continued) **1000236245**

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 04/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 1000
Paid penalty amount: 1000

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 03/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 04/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 1000
Paid penalty amount: 1000

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 04/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 1000
Paid penalty amount: 1000

OREGON BRASS WORKS (Continued) **1000236245**

Regulation violated: Not reported
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/14/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 04/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 1000
Paid penalty amount: 1000

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 03/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/14/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

OREGON BRASS WORKS (Continued) **1000236245**

Area of violation: Generators - General
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 03/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 04/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 1000
Paid penalty amount: 1000

Regulation violated: Not reported
Area of violation: TSD - Tank System Standards
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/14/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 02/01/1995
Date achieved compliance: 05/05/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 03/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General

OREGON BRASS WORKS (Continued) **1000236245**

Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/14/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 03/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 04/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 1000
Paid penalty amount: 1000

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 02/01/1995
Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 03/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 02/01/1995

OREGON BRASS WORKS (Continued) **1000236245**

Date achieved compliance: 05/11/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 03/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 02/01/1995
Date achieved compliance: 05/05/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 04/27/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 1000
Paid penalty amount: 1000

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 02/02/1988
Date achieved compliance: 07/12/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/06/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 02/02/1988
Date achieved compliance: 07/12/1988
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/06/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/05/1987
Date achieved compliance: 07/12/1988

OREGON BRASS WORKS (Continued) **1000236245**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/09/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 03/18/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 07/13/1998
Evaluation lead agency: State

Evaluation date: 03/18/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 07/13/1998
Evaluation lead agency: State

Evaluation date: 03/18/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 07/13/1998
Evaluation lead agency: State

Evaluation date: 02/01/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 05/11/1995
Evaluation lead agency: State

Evaluation date: 02/01/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 05/11/1995
Evaluation lead agency: State

Evaluation date: 02/01/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 05/11/1995
Evaluation lead agency: State

Evaluation date: 02/01/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 05/11/1995
Evaluation lead agency: State

Evaluation date: 02/01/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Tank System Standards
Date achieved compliance: 05/11/1995

OREGON BRASS WORKS (Continued) **1000236245**

Evaluation lead agency: State

Evaluation date: 02/01/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 05/05/1995
Evaluation lead agency: State

Evaluation date: 02/01/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 05/11/1995
Evaluation lead agency: State

Evaluation date: 02/01/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 05/11/1995
Evaluation lead agency: State

Evaluation date: 02/02/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 07/12/1988
Evaluation lead agency: State

Evaluation date: 02/02/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/12/1988
Evaluation lead agency: State

Evaluation date: 11/05/1987
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Generators - General
Date achieved compliance: 07/12/1988
Evaluation lead agency: State

FINDS:

Registry ID: 110000487508

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

OREGON BRASS WORKS (Continued) **1000236245**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1000236245
Registry ID:	110000487508
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.514884
Longitude:	-122.65568
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters:	50
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011178
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	03/18/1998
Days Last Inspection:	6395
Informal Count:	0
Date Last Informal Action:	03/25/1998
Formal Action Count:	0
Date Last Formal Action:	06/02/1998
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	06/02/1998
Last Penalty Amount:	2776
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported

OREGON BRASS WORKS (Continued) **1000236245**

CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD009025644
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	6395
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	06/02/1998
RCRA Penalties:	Not reported
RCRA Last Penality Date:	06/02/1998
RCRA Last Penality Amount:	2776
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	97214RGNBR1127S
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported

OREGON BRASS WORKS (Continued) **1000236245**

Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Y
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110000487508
Facility SIC Codes:	3362 3366
Facility NAICS Codes:	331528 331525
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	03/18/1998
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	06/02/1998
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	03/25/1998
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

B9 **EDR Hist Auto** **1015667068**
NNW **900 SE SALMON ST** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.022 mi.
116 ft. **Site 3 of 4 in cluster B**

Relative:
Lower

Actual:
39 ft.

EDR Historical Auto Stations:

Name:	NORTHWEST AUTO BODY SPCLST INC
Year:	2001
Address:	900 SE SALMON ST
Name:	NORTHWEST AUTO BODY SPECIALIST
Year:	2002
Address:	900 SE SALMON ST
Name:	AUTO BODY SPECIALISTS
Year:	2003
Address:	900 SE SALMON ST
Name:	NORTHWEST AUTO BODY SPECIALIST INC
Year:	2004
Address:	900 SE SALMON ST

D10 **STORGILL INSTRUMENT CO** **EDR Hist Auto** **1009487058**
SSE **1427 SE 10TH AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.024 mi.
126 ft. **Site 1 of 12 in cluster D**

Relative:
Higher

Actual:
44 ft.

EDR Historical Auto Stations:

Name:	STORGILL INSTRUMENT CO
Year:	1965
Type:	AUTOMOBILE REPAIRING
Name:	STURGILL INSTRUMENT CO

STORGILL INSTRUMENT CO (Continued) **1009487058**

Year: 1970
Type: AUTOMOBILE REPAIRING

E11
ESE
< 1/8
0.026 mi.
139 ft.

MADISON STREET GARAGE **EDR Hist Auto** **1009485357**
1100 E MADISON **N/A**
PORTLAND, OR

Site 1 of 7 in cluster E

Relative:
Higher

Actual:
45 ft.

EDR Historical Auto Stations:
Name: MADISON STREET GARAGE
Year: 1930
Type: AUTOMOBILE GARAGES

E12
ESE
< 1/8
0.031 mi.
164 ft.

VERSTEEG FRED M **EDR Hist Auto** **1009485423**
1110 E MADISON **N/A**
PORTLAND, OR

Site 2 of 7 in cluster E

Relative:
Higher

Actual:
46 ft.

EDR Historical Auto Stations:
Name: VERSTEEG FRED M
Year: 1930
Type: AUTOMOBILE GARAGES

E13
ESE
< 1/8
0.033 mi.
173 ft.

LIBERTY LAUNDRY CO **EDR Hist Cleaner** **1009477021**
1420 SE 11TH AVE **N/A**
PORTLAND, OR

Site 3 of 7 in cluster E

Relative:
Higher

Actual:
45 ft.

EDR Historical Cleaners:
Name: LIBERTY LAUNDRY CO
Year: 1935
Type: LAUNDRIES

E14
ESE
< 1/8
0.036 mi.
188 ft.

MOORE, DAVE **OR LUST** **S118347838**
1120 SE MADISON ST **N/A**
PORTLAND, OR 97214

Site 4 of 7 in cluster E

Relative:
Higher

Actual:
45 ft.

LUST:
Region: North Western Region
Facility ID: 26-15-1366
Cleanup Received Date: 09/25/2015
Cleanup Start Date: Not reported
Cleanup Complete Date: Not reported
Decode for Region: North West Region

B15 **EDR Hist Cleaner** **1015100048**
WNW **833 SE MAIN ST** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.038 mi.
203 ft. **Site 4 of 4 in cluster B**

Relative:
Higher

Actual:
43 ft.

EDR Historical Cleaners:
Name: RHINO CARPET CLEANING
Year: 2004
Address: 833 SE MAIN ST

F16 **HEATING OIL TANK** **OR LUST** **S117365287**
WNW **811 SE MAIN ST** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.049 mi.
257 ft. **Site 1 of 4 in cluster F**

Relative:
Higher

Actual:
44 ft.

LUST:
Region: North Western Region
Facility ID: 26-14-0889
Cleanup Received Date: 07/09/2014
Cleanup Start Date: Not reported
Cleanup Complete Date: 08/04/2014
Decode for Region: North West Region

D17 **WETLE GEO** **EDR Hist Auto** **1009496301**
South **927 SE HAWTHORNE BLVD** **N/A**
< 1/8 **PORTLAND, OR**
0.049 mi.
258 ft. **Site 2 of 12 in cluster D**

Relative:
Higher

Actual:
45 ft.

EDR Historical Auto Stations:
Name: WETLE GEO
Year: 1935
Type: AUTOMOBILE REPAIRING

Name: WETLE GEO C
Year: 1940
Type: AUTOMOBILE REPAIRING

D18 **HAAN SERVICE STATION** **EDR Hist Auto** **1009496232**
SSW **919 HAWTHORNE AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.049 mi.
258 ft. **Site 3 of 12 in cluster D**

Relative:
Higher

Actual:
45 ft.

EDR Historical Auto Stations:
Name: HAAN SERVICE STATION
Year: 1930
Type: GASOLINE AND OIL SERVICE STATIONS

D19 **LUCKY LABRADOR BREWING CO** **OR AST** **S111251765**
SSW **915 SE HAWTHORNE BLVD** **OR HSIS** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.049 mi.
259 ft. **Site 4 of 12 in cluster D**

Relative:
Higher

Actual:
45 ft.

AST:

Facility Id:	044204
Hazardous Substance:	CARBON DIOXIDE
Reporting Quantities:	500-999
Quantity Units:	GALLONS
Physical State:	GAS
Storage 1:	ABOVEGROUND TANK
Storage 2:	TANK INSIDE BUILDING

HSIS:

Facility Id:	044204
Chemical Is Extremely Hazardous Substance (EHS):	No
Department Or Division Of Company:	Not reported
Facility Has Written Emergency Plan:	No
Contains 112R:	No
NAICS Code 1:	312120
NAICS Desc 1:	BREWERIES
NAICS Code 2:	000000
NAICS Desc 2:	Not reported
Manager Name:	ALEX STILES
Business Phone:	5032363555
Mailing Address:	915 SE HAWTHORNE BLVD
Mailing City,St,Zip:	PORTLAND, OR 97214
No. of Employees:	15
Day Phone:	5032363555
Placard:	No
Fire Dept Code:	0291
Sprinkler System:	No
Emergency Contact:	ALEX STILES
Emergency Procedure:	Not reported
Business Type:	BREWERY

Facility:

Facility Id:	044204
Physical State Of The Substance:	3
Physical State:	GAS
Average Amount Possessed During The Year Code:	10
Maximum Amount Possessed During The Year Code:	11
Applicable Unit Of Measure Code:	3
Description Of The Unit Of Measure:	CUBIC FEET
Type Code:	L
Description:	CYLINDER
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	2
Pressure Description:	GREATER THAN NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365

LUCKY LABRADOR BREWING CO (Continued) **S111251765**

Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	500-999
Description Of The Avg Qnty Code:	200-499
Most Hazardous Ingridient:	NITROGEN
United Nations/north America 4 Digit Class Number:	1066
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	True
Substance Mix:	False
First Hazardous Class Code For Chemical:	Non-flammable Gas
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	2.2
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

Chemical:

United Nations/north America 4 Digit Class Number:	1066
Chemical Abstract Service Identifier Number:	7727379
Chemical Is Extremely Hazardous Substance (EHS):	No
First Hazardous Class Code For Chemical:	Non-flammable Gas
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	2.2
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Contains 112R:	No
Contains EHS:	No
Fertilizer:	No
Pesticide:	No
Contains 313:	No

Facility Id:	044204
Physical State Of The Substance:	3
Physical State:	GAS
Average Amount Possessed During The Year Code:	10
Maximum Amount Possessed During The Year Code:	11
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	A
Description:	ABOVEGROUND TANK
Type Code:	C
Temperature Description:	TANK INSIDE BUILDING
Pressure of Code:	2
Pressure Description:	GREATER THAN NORMAL PRESSURE
Pressure of Code:	2
Pressure Description:	GREATER THAN NORMAL PRESSURE
Temperature Description:	CRYOGENIC CONDITIONS
Temperature of The Hazardous Substance Code:	7
Temperature Description:	CRYOGENIC CONDITIONS
Temperature of The Hazardous Substance Code:	7
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	500-999
Description Of The Avg Qnty Code:	200-499

LUCKY LABRADOR BREWING CO (Continued) **S111251765**

Most Hazardous Ingridient:	CARBON DIOXIDE
United Nations/north America 4 Digit Class Number:	1013
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	True
Substance Mix:	False
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Non-flammable Gas
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	2.2
Hazard Class 3 Of The Chemical:	Not reported

Chemical:

United Nations/north America 4 Digit Class Number:	1013
Chemical Abstract Service Identifier Number:	124389
Chemical Is Extremely Hazardous Substance (EHS):	No
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Non-flammable Gas
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	2.2
Hazard Class 3 Of The Chemical:	Not reported
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Contains 112R:	No
Contains EHS:	No
Fertilizer:	No
Pesticide:	No
Contains 313:	No

D20 **MCDONALD & WELTE, INC.** **OR UST** **U000432710**
SSW **915 SE HAWTHORNE** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.049 mi.
259 ft. **Site 5 of 12 in cluster D**

Relative:
Higher

Actual:
45 ft.

UST:

Facility ID:	10036
Facility Telephone:	(503)234-0346
Permittee Name:	ROY BOLT, PRES
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	2
Number of Tanks:	2

G21
SSW
< 1/8
0.049 mi.
259 ft.

AVOLIO MOTOR SERVICE
911 SE HAWTHORNE BLVD
PORTLAND, OR

Site 1 of 4 in cluster G

EDR Hist Auto **1009496165**
N/A

Relative:
Higher

Actual:
45 ft.

EDR Historical Auto Stations:

Name:	AVOLIO MOTOR SERVICE
Year:	1970
Type:	AUTOMOBILE REPAIRING

D22
SSE
< 1/8
0.049 mi.
259 ft.

BRADSHAWS SERVICE CENTER INC
1025 SE HAWTHORNE
PORTLAND, OR 97214

Site 6 of 12 in cluster D

RCRA-CESQG **1000192609**
OR LUST **ORD981760952**
OR UST
FINDS
ECHO

Relative:
Higher

Actual:
45 ft.

RCRA-CESQG:

Date form received by agency:	12/31/2003
Facility name:	BRADSHAWS SERVICE CENTER INC
Facility address:	1025 SE HAWTHORNE PORTLAND, OR 97214
EPA ID:	ORD981760952
Contact:	KENNETH "RUSS" GLASGOW
Contact address:	1025 SE HAWTHORNE PORTLAND, OR 97214
Contact country:	US
Contact telephone:	503 235-4156
Contact email:	Not reported
EPA Region:	10
Land type:	Private
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	BRADSHAW SERVICE CENTER INC
Owner/operator address:	1025 SE HAWTHORNE BLVD PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	503 235-4156
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	10/29/1986
Owner/Op end date:	Not reported

Owner/operator name:	BRADSHAW SERVICE CENTER INC

BRADSHAWS SERVICE CENTER INC (Continued) **1000192609**

Owner/operator address: 1025 SE HAWTHORNE BLVD
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: 503 235-4156
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/31/2003
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 01/13/2003
Site name: BRADSHAWS SERVICE CENTER INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/25/2002
Site name: BRADSHAWS SERVICE CENTER INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/19/2001
Site name: BRADSHAWS SERVICE CENTER INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/14/2000
Site name: BRADSHAWS SERVICE CENTER INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/20/1999
Site name: BRADSHAWS SERVICE CENTER INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/11/1998
Site name: BRADSHAWS SERVICE CENTER INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/27/1997
Site name: BRADSHAWS SERVICE CENTER INC

BRADSHAWS SERVICE CENTER INC (Continued) **1000192609**

Classification: Small Quantity Generator

Date form received by agency: 02/08/1996
Site name: BRADSHAWS SERVICE CENTER INC
Classification: Small Quantity Generator

Date form received by agency: 02/17/1995
Site name: BRADSHAWS SERVICE CENTER INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 10/17/1994
Site name: BRADSHAWS SERVICE CENTER INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/15/1994
Site name: BRADSHAWS SERVICE CENTER INC
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 08/18/2014
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/15/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

LUST:
Region: North Western Region
Facility ID: 26-93-0072
Cleanup Received Date: 04/14/1993
Cleanup Start Date: 04/14/1993
Cleanup Complete Date: 04/07/1994
Decode for Region: North West Region

UST:
Facility ID: 2412
Facility Telephone: (503)235-4156
Permittee Name: F E BRADSHAW, PRESIDENT

BRADSHAWS SERVICE CENTER INC (Continued) **1000192609**

Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 1
Number of Tanks: 5

FINDS:

Registry ID: 110004792467

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1000192609
Registry ID:	110004792467
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.512058
Longitude:	-122.654939
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	PLANT ENTRANCE (GENERAL)
Accuracy Meters:	150
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	170900120202
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011021005
Percent Minority:	18.173
Pop Den:	7046.62
Major Flag:	Not reported
Active Flag:	Y
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	04/15/1993
Days Last Inspection:	8193

BRADSHAWS SERVICE CENTER INC (Continued) **1000192609**

Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD981760952
RCRA Permit Types:	CESQG
RCRA NAICS:	811111

BRADSHAWS SERVICE CENTER INC (Continued) **1000192609**

RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	8193
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004792467
Facility SIC Codes:	Not reported
Facility NAICS Codes:	811111
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	04/15/1993
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

D23 **BRADSHAW AUTO SERVICE** **EDR Hist Auto** **1009484940**
SSE **1021 SE HAWTHORNE BLVD** **N/A**
< 1/8 **PORTLAND, OR**
0.049 mi.
259 ft. **Site 7 of 12 in cluster D**

Relative:
Higher

Actual:
45 ft.

EDR Historical Auto Stations:

Name:	BRADSHAW AUTO SERVICE
Year:	1950
Type:	AUTOMOBILE REPAIRING
Name:	BRADSHAW S AUTO SERVICE
Year:	1955
Type:	AUTOMOBILE REPAIRING
Name:	BRADSHAW AUTO SERVICE

BRADSHAW AUTO SERVICE (Continued) **1009484940**

Year: 1960
Type: AUTOMOBILE REPAIRING

Name: BRADSHAW AUTO SERVICF INC
Year: 1970
Type: AUTOMOBILE REPAIRING

Name: BRADSHAW AUTO SERVICE INC
Year: 1975
Type: AUTOMOBILE REPAIRING

Name: BRADSHAW AUTO SERVICE
Year: 1981
Type: AUTOMOBILE REPAIRING

D24 **BRADSHAW AUTO SERVICE** **EDR Hist Auto** **1009484985**
SSE **1025 SE HAWTHORNE BLVD** **N/A**
< 1/8 **PORTLAND, OR**
0.049 mi.
260 ft. **Site 8 of 12 in cluster D**

Relative:
Higher

Actual:
45 ft.

EDR Historical Auto Stations:
Name: BRADSHAW F E
Year: 1950
Type: GASOLINE STATIONS

Name: BRADSHAW S TEXACO SERVICE
Year: 1955
Type: GASOLINE STATIONS

Name: BRADSHAW TEXACO SERVICE
Year: 1960
Type: GASOLINE STATIONS

Name: BRADSHAW AUTO SERVICE INC
Year: 1965
Type: AUTOMOBILE REPAIRING

Name: BRADSHAW AUTO SERVICE
Year: 1985
Type: AUTOMOBILE REPAIRING

D25 **HENDRIKSEN H C** **EDR Hist Auto** **1009485215**
SE **1063 HAWTHORNE AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.050 mi.
262 ft. **Site 9 of 12 in cluster D**

Relative:
Higher

Actual:
45 ft.

EDR Historical Auto Stations:
Name: HENDRIKSEN H C
Year: 1924
Type: AUTOMOBILE REPAIRING

Name: DAWSON AND STEVENS
Year: 1930
Type: AUTOMOBILE GARAGES

F26 **PACIFIC PUTTY CO INC** **RCRA NonGen / NLR** **1004771663**
West **1330 SE 8TH AVE** **FINDS** **ORQ000012278**
< 1/8 **PORTLAND, OR 97214** **ECHO**
0.051 mi.
269 ft. **Site 2 of 4 in cluster F**

Relative:
Higher

Actual:
45 ft.

RCRA NonGen / NLR:

Date form received by agency:	05/10/2000
Facility name:	PACIFIC PUTTY CO INC
Facility address:	1330 SE 8TH AVE PORTLAND, OR 97214
EPA ID:	ORQ000012278
Contact:	JOE AMACHER
Contact address:	1330 SE 8TH AVE PORTLAND, OR 97214
Contact country:	US
Contact telephone:	(503) 234-4933
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	PACIFIC PUTTY CO INC
Owner/operator address:	1330 SE 8TH AVE PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	(503) 234-4933
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	05/10/2000
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	06/09/1999
Site name:	PACIFIC PUTTY CO INC
Classification:	Not a generator, verified

. Waste code: NONE
. Waste name: None

PACIFIC PUTTY CO INC (Continued) **1004771663**

Violation Status: No violations found

FINDS:

Registry ID: 110004818234

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1004771663
Registry ID:	110004818234
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51329
Longitude:	-122.65741
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011174
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported

PACIFIC PUTTY CO INC (Continued) **1004771663**

Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORQ000012278
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported

PACIFIC PUTTY CO INC (Continued) **1004771663**

RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004818234
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

F27 **BRISTOL MARINE** **RCRA NonGen / NLR** **1000643981**
West **1320 SE 8TH AVE** **FINDS** **ORD987188000**
< 1/8 **PORTLAND, OR 97214** **ECHO**
0.051 mi.
269 ft. **Site 3 of 4 in cluster F**

Relative:
Higher

Actual:
45 ft.

RCRA NonGen / NLR:

Date form received by agency:	11/08/2002
Facility name:	BRISTOL MARINE
Facility address:	1320 SE 8TH AVE PORTLAND, OR 97214
EPA ID:	ORD987188000
Mailing address:	NO MAILING ADDRESS NO MAILING CITY, OR
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported

BRISTOL MARINE (Continued) **1000643981**

EPA Region: 10
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 03/13/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004800305

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1000643981
Registry ID: 110004800305
FIPS Code: 41051
EPA Region: 10
Indian Country Flag: N
Federal Flag: Not reported
US Mexico Border Flag: Not reported
Chesapeake Bay Flag: Not reported
NAA Flag: Not reported
Latitude: 45.51329
Longitude: -122.65741

BRISTOL MARINE (Continued) **1000643981**

Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011174
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	03/13/1991
Days Last Inspection:	8957
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported

BRISTOL MARINE (Continued) **1000643981**

CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD987188000
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	8957
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004800305
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	03/13/1991
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported

BRISTOL MARINE (Continued) **1000643981**

Facility Federal Agency: Not reported
TRI Reporter: Not reported
Facility IMP Water Flag: Not reported

G28 **NATIONAL LAUNDRY CO** **EDR Hist Cleaner** **1009477341**
SSW **1513 SE 9TH AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.055 mi.
293 ft. **Site 2 of 4 in cluster G**

Relative:
Higher

Actual:
45 ft.

EDR Historical Cleaners:

Name: NU WAY NATIONAL LAUNDRY
Year: 1935
Type: LAUNDRIES

Name: COLE S LINEN SUPPLY
Year: 1940
Type: LAUNDRIES

Name: NATIONAL LAUNDRY CO.
Year: 1940
Type: LAUNDRIES

Name: NATIONAL LAUNDRY CO
Year: 1940
Type: CLOTHES PRESSERS AND CLEANERS

Name: NATIONAL LAUNDRY CO
Year: 1940
Type: CLEANERS AND DYERS

Name: NATIONAL LAUNDRY CO
Year: 1940
Type: DYERS AND CLEANERS

D29 **EDR Hist Auto** **1015121196**
SSE **1001 SE HAWTHORNE BLVD** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.056 mi.
294 ft. **Site 10 of 12 in cluster D**

Relative:
Higher

Actual:
45 ft.

EDR Historical Auto Stations:

Name: PORTLAND ENGINE REBUILDERS / LARSON
Year: 2005
Address: 1001 SE HAWTHORNE BLVD

Name: PORTLAND ENGINE REBUILDERS INC
Year: 2006
Address: 1001 SE HAWTHORNE BLVD

Name: PORTLAND ENGINE REBUILDERS
Year: 2010
Address: 1001 SE HAWTHORNE BLVD

Name: LARSON & KING AUTOMOTIVE MACHINES
Year: 2011

(Continued) **1015121196**

Address: 1001 SE HAWTHORNE BLVD

Name: PORTLAND ENGINE REBUILDERS
Year: 2012
Address: 1001 SE HAWTHORNE BLVD

D30 **PORTLAND ENGINE REBUILDERS INC** **RCRA-CESQG** **1006811055**
SSE **1001 SE HAWTHORNE BLVD** **FINDS** **ORQ000021451**
< 1/8 **PORTLAND, OR 97214** **ECHO**
0.056 mi.
294 ft. **Site 11 of 12 in cluster D**

Relative:
Higher

Actual:
45 ft.

RCRA-CESQG:
Date form received by agency: 03/01/2004
Facility name: PORTLAND ENGINE REBUILDERS INC
Facility address: 1001 SE HAWTHORNE BLVD
PORTLAND, OR 97214
EPA ID: ORQ000021451
Contact: RONALD E LARSON
Contact address: 1001 SE HAWTHORNE BLVD
PORTLAND, OR 97214
Contact country: US
Contact telephone: (503) 230-1276
Contact email: Not reported
EPA Region: 10
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: PORTLAND ENGINE REBUILDERS INC
Owner/operator address: 1001 SE HAWTHORNE BLVD
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: (503) 230-1276
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/25/2002
Owner/Op end date: Not reported

Owner/operator name: PORTLAND ENGINE REBUILDERS INC
Owner/operator address: 1001 SE HAWTHORNE BLVD
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: (503) 230-1276

PORTLAND ENGINE REBUILDERS INC (Continued) **1006811055**

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/25/2002
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 03/04/2003
Site name: PORTLAND ENGINE REBUILDERS INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 09/25/2002
Site name: PORTLAND ENGINE REBUILDERS INC
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110013360530

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PORTLAND ENGINE REBUILDERS INC (Continued) **1006811055**

ECHO:

Envid:	1006811055
Registry ID:	110013360530
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51223
Longitude:	-122.6557
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters:	50
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	170900120202
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011183
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Y
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported

PORTLAND ENGINE REBUILDERS INC (Continued) **1006811055**

CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORQ000021451
RCRA Permit Types:	CESQG
RCRA NAICS:	336312
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported

PORTLAND ENGINE REBUILDERS INC (Continued) **1006811055**

FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110013360530
Facility SIC Codes:	Not reported
Facility NAICS Codes:	336312
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

E31 **HAWTHORNE CLEANERS AND DYERS** **EDR Hist Cleaner** **1009475682**
SE **1105 HAWTHORNE AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.056 mi.
297 ft. **Site 5 of 7 in cluster E**

Relative:
Higher

Actual:
45 ft.

EDR Historical Cleaners:

Name:	HAWTHORNE CLEANERS AND DYERS
Year:	1924
Type:	CLEANERS, DYERS AND PRESSERS
Name:	HAWTHORNE CLEANERS
Year:	1930
Type:	CLEANERS GARMENTS CURTAINS AND DRAPERIES

D32 **EDR Hist Auto** **1015128339**
SSE **1016 SE HAWTHORNE BLVD** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.057 mi.
300 ft. **Site 12 of 12 in cluster D**

Relative:
Higher

Actual:
46 ft.

EDR Historical Auto Stations:

Name:	PORTLAND TRANSMISSION PARTS
Year:	1999
Address:	1016 SE HAWTHORNE BLVD
Name:	PORTLAND TRANSMISSION WAREHOUSE
Year:	2009
Address:	1016 SE HAWTHORNE BLVD
Name:	PORTLAND TRANSMISSION WRHSE
Year:	2010
Address:	1016 SE HAWTHORNE BLVD

H33 **RAINBOW CLEANERS** **EDR Hist Cleaner** **1009475526**
SSE **1060 HAWTHORNE AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.057 mi.
301 ft. **Site 1 of 3 in cluster H**

Relative:
Higher

Actual:
45 ft.

EDR Historical Cleaners:
Name: RAINBOW CLEANERS
Year: 1930
Type: CLEANERS GARMENTS CURTAINS AND DRAPERIES

H34 **BLACK CHESTER A** **EDR Hist Cleaner** **1009475548**
SSE **1066 HAWTHORNE AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.057 mi.
302 ft. **Site 2 of 3 in cluster H**

Relative:
Higher

Actual:
45 ft.

EDR Historical Cleaners:
Name: BLACK CHESTER A
Year: 1930
Type: CLEANERS GARMENTS CURTAINS AND DRAPERIES

I35 **CARSON OIL CO INC** **OR LUST** **U003998842**
NW **1208 SE 8TH AVE** **OR UST** **N/A**
< 1/8 **PORTLAND, OR 97232**
0.058 mi.
304 ft. **Site 1 of 4 in cluster I**

Relative:
Higher

Actual:
42 ft.

LUST:
Region: North Western Region
Facility ID: 26-90-0440
Cleanup Received Date: 11/14/1990
Cleanup Start Date: 11/07/1990
Cleanup Complete Date: 01/02/1996
Decode for Region: North West Region

UST:
Facility ID: 3475
Facility Telephone: (503) 224-8500
Permittee Name: Marti Sharp
Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 12
Number of Tanks: 12

I36 **CARSON OIL CARDLOCK** **EDR Hist Auto** **1009485910**
NW **1208 SE 8TH AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.058 mi.
304 ft. **Site 2 of 4 in cluster I**

Relative:
Higher

Actual:
42 ft.

EDR Historical Auto Stations:
Name: NORRIS RICHFIELD TRUCK 0 AUTO
Year: 1965
Type: GASOLINE STATIONS

CARSON OIL CARDLOCK (Continued) **1009485910**

Name: CARSON OIL CARDLOCK
Year: 1985
Type: GASOLINE STATIONS

Name: CARSON SERVICE CENTER
Year: 1985
Type: GASOLINE STATIONS

I37 **CARSON OIL CO INC** **OR ECSI** **U000432674**
NW **1208 SE 8TH AVE** **OR LUST** **N/A**
< 1/8 **PORTLAND, OR 97214** **OR UIC**
0.058 mi.
304 ft. **Site 3 of 4 in cluster I**

Relative:
Higher

Actual:
42 ft.

ECSI:

State ID Number:	367
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	No Further Action
FACA ID:	8991
Further Action:	0
Lat/Long (dms):	45 30 51.00 / -122 39 27.00
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	2
Qtr Section:	Not reported
Tax Lots:	Not reported
Size:	Not reported
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	02/25/2009
Created Date:	09/13/1988
Decode For RegionID:	Northwest Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	No Further Action
Decode For Legislative:	Not reported

Hazardous Release:

Substance ID.:	121983
Haz Release ID:	383822
Qty Released:	approx 2000 gallons
Date Released:	approx 11-24-87
Update Date:	09/13/1988
Update By:	Not reported
Substance Code:	ECD173
Substance Name:	GASOLINE
Substance Abbrev.:	Not reported
Substance Category ID:	8530
Substance Category:	Petroleum Related Releases for OSPIRG Report

CARSON OIL CO INC (Continued) **U000432674**

Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8530
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Comment ID: 303979
Release Code: Data Sources
Release Comments: NWR Spill Report 11-30-87
Decode for Relcomcd: Data Sources
Sampling Result ID: 345139
Feature Id: Not reported
Hazard Release Id: 383822
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: False
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: Unknown
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Soil
Sampling Result ID: 346213
Feature Id: Not reported
Hazard Release Id: 383822
Medium: 698
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: False
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: Unknown
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Groundwater

Substance ID.: 121982
Haz Release ID: 384793
Qty Released: approx. 500 gallons released
Date Released: October 1990
Update Date: 04/18/1995
Update By: Not reported
Substance Code: ECD169
Substance Name: DIESEL - FUEL OIL

CARSON OIL CO INC (Continued) **U000432674**

Substance Abbrev.: Not reported
Substance Category ID: 8529
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8529
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Sampling Result ID: 343345
Feature Id: Not reported
Hazard Release Id: 384793
Medium: 698
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: False
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: Unknown
Last Update By: jmd
Update Date: 04/18/1995
Decode for MediumID: Groundwater
Sampling Result ID: 343346
Feature Id: Not reported
Hazard Release Id: 384793
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: False
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: Unknown
Last Update By: jmd
Update Date: 04/18/1995
Decode for MediumID: Soil

Narrative:
NARR ID: 5729002
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: GWISTAR
Updated Date: 05/20/2003
Decode for NarcdID: Contamination
NARR Comments: A broken underground fuel line from an underground storage tank was believed to have caused the loss of approx 2000 gallons of gasoline.

CARSON OIL CO INC (Continued) **U000432674**

The leak was believed to have started on 11-24-87 and was noticed on 11-30-87. In October 1990 a diesel fuel line on another part of the site was severed, causing the release of 500 gallons. Subsequent investigation under DEQ LUST oversight (file #26-90-0440) resulted in discovery of significant hydrocarbon contamination of both soil and groundwater on-site.

NARR ID: 5729003
NARR Code: Data Sources
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Data Sources
NARR Comments: Correspondence from owner and/or operator; Spill report NWR 11/30/87; LUST file #26-90-440 (all located in DEQ NWR).

NARR ID: 5729266
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: gasoline, diesel

NARR ID: 5729325
NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release
NARR Comments: Leak from underground tank fuel line on approx 11/24/87.

NARR ID: 5729326
NARR Code: Pathways Other Hazards
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Soil and groundwater contamination w/gasoline and soluble components.

NARR ID: 5729327
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: GWISTAR
Updated Date: 05/20/2003
Decode for NarcdID: Remedial Action
NARR Comments: Following the 1987 gasoline release, tanks and lines were allegedly excavated, and the site remediated by Crowley and NW Pump. Contaminated soil was removed and gasoline contaminated groundwater was pumped out of a sump. It's not clear whether a cleanup report was ever submitted. Soon after the 1990 diesel release, Carson initiated soil excavation, which led to the discovery of additional

CARSON OIL CO INC (Continued) **U000432674**

contamination beyond the area of the diesel spill. Borings installed to define the extent of hydrocarbons in soil encountered contaminated groundwater. Following the placement of monitoring and extraction wells, a groundwater pump-and-treat system operated between 1992 and 1994. Progress reports on this remediation program have been sent to the NWR LUST program, and filed in LUST #26-90-0440. Hydrocarbon contamination appears to have originated from underground tank systems, and it is therefore appropriate that the LUST section continue to track remediation and monitoring activities at the site. Site Assessment recommends referral of the site to NWR/LUST. (3/3/99 GMW/SAS) NWR UST Section issued NFA 1/96.

Administrative Action:

Action ID: 9443
Region: Northwestern Region
Complete Date: 01/02/1996
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: UST Section NFA.

Action ID: 9477
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Refer to LUST Program
Further Action: Not reported
Comments: File #26-90-440

Action ID: 9425
Region: Northwestern Region
Complete Date: 02/22/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Action ID: 9424
Region: Not reported
Complete Date: Not reported

CARSON OIL CO INC (Continued) **U000432674**

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Not reported
Complete Date: 02/12/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: Not reported
Comments: Not reported

Operations:
Operation Id: 131787
Operation Status: Active
Common Name: Carson Oil - 8th AVE
Yrs of Operation: Not reported
Comments: Gasoline or bulk fuel station
Updated Date: 03/16/1995
Updated By: jxh
Decode for OpstatID: Active
Operations SIC Id: 195325
SIC Code: 5171
Created By: Not reported
Created Date: 12/17/2002

LUST:
Region: North Western Region
Facility ID: 26-14-0533
Cleanup Received Date: 05/07/2014
Cleanup Start Date: 05/07/2014
Cleanup Complete Date: 01/12/2015
Decode for Region: North West Region

OR UIC:
UIC Well #: 1
Type: 5X28
Type Description: Motor Vehicle Waste Disposal Wells
Status: Abandoned w/o Authority
UIC Number: 10114
Facility Status: Abandoned
Lat/Long: 45.514099 / -122.6572

UIC Well #: 2

CARSON OIL CO INC (Continued) **U000432674**

Type: 5X26
Type Description: Aquifer Remediation Related
Status: Abandoned w/o Authority
UIC Number: 10114
Facility Status: Abandoned
Lat/Long: 45.514099 / -122.6572

E38
SE
< 1/8
0.058 mi.
305 ft.

HAWTHORNE MOTOR SERVICE CO **EDR Hist Auto** **1009485431**
1111 HAWTHORNE AVE **N/A**
PORTLAND, OR

Site 6 of 7 in cluster E

Relative:
Higher

Actual:
45 ft.

EDR Historical Auto Stations:
Name: HAWTHORNE MOTOR SERVICE CO
Year: 1924
Type: AUTOMOBILE REPAIRING

I39
NW
< 1/8
0.058 mi.
306 ft.

PERRY S SUSPENSION SERVICE **EDR Hist Auto** **1009485882**
1204 NE 8TH ST **N/A**
PORTLAND, OR

Site 4 of 4 in cluster I

Relative:
Higher

Actual:
42 ft.

EDR Historical Auto Stations:
Name: PERRY S SUSPENSION SERVICE
Year: 1985
Type: AUTOMOBILE REPAIRING

J40
NE
< 1/8
0.059 mi.
314 ft.

PRECISION ELECTRO COAT INCORPORATED **RCRA-CESQG** **1000874229**
1124 SE 11TH AVENUE **FINDS** **ORD987201373**
PORTLAND, OR 97214 **OR MANIFEST**
ECHO

Site 1 of 4 in cluster J

Relative:
Higher

Actual:
45 ft.

RCRA-CESQG:
Date form received by agency: 12/31/2005
Facility name: PRECISION ELECTRO COAT INC
Facility address: 1124 SE 11TH AVENUE
PORTLAND, OR 97214
EPA ID: ORD987201373
Mailing address: PO BOX 42364
PORTLAND, OR 97242
Contact: GENE G BOEHM
Contact address: PO BOX 42364
PORTLAND, OR 97242
Contact country: US
Contact telephone: (503) 234-6995
Contact email: Not reported
EPA Region: 10
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar

PRECISION ELECTRO COAT INCORPORATED (Continued) **1000874229**

month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	PRECISION ELECTRO COAT INC
Owner/operator address:	PO BOX 42364 PORTLAND, OR 97242
Owner/operator country:	US
Owner/operator telephone:	(503) 234-6995
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	07/12/1991
Owner/Op end date:	Not reported

Owner/operator name:	PRECISION ELECTRO COAT INC
Owner/operator address:	PO BOX 42364 PORTLAND, OR 97242
Owner/operator country:	US
Owner/operator telephone:	(503) 234-6995
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	07/23/1991
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	NA
. Waste name:	NA

Historical Generators:

Date form received by agency:	12/31/2004
Site name:	PRECISION ELECTRO COAT INC

PRECISION ELECTRO COAT INCORPORATED (Continued) **1000874229**

Classification: Small Quantity Generator

Date form received by agency: 08/03/2004
Site name: PRECISION ELECTRO COAT INC
Classification: Small Quantity Generator

Date form received by agency: 12/31/2003
Site name: PRECISION ELECTRO COAT INC
Classification: Small Quantity Generator

Date form received by agency: 02/18/2003
Site name: PRECISION ELECTRO COAT INC
Classification: Small Quantity Generator

Date form received by agency: 02/21/2002
Site name: PRECISION ELECTRO COAT INC
Classification: Small Quantity Generator

Date form received by agency: 03/06/2001
Site name: PRECISION ELECTRO COAT INC
Classification: Small Quantity Generator

Date form received by agency: 03/07/2000
Site name: PRECISION ELECTRO COAT INC
Classification: Small Quantity Generator

Date form received by agency: 03/22/1999
Site name: PRECISION ELECTRO COAT INC
Classification: Small Quantity Generator

Date form received by agency: 02/23/1998
Site name: PRECISION ELECTRO COAT INC
Classification: Small Quantity Generator

Date form received by agency: 02/25/1997
Site name: PRECISION ELECTRO COAT INC
Classification: Small Quantity Generator

Date form received by agency: 02/29/1996
Site name: PRECISION ELECTRO COAT INC
Classification: Small Quantity Generator

Date form received by agency: 02/28/1995
Site name: PRECISION ELECTRO COAT INC
Classification: Small Quantity Generator

Date form received by agency: 02/17/1994
Site name: PRECISION ELECTRO COAT INC
Classification: Small Quantity Generator

Date form received by agency: 04/29/1993
Site name: PRECISION ELECTRO COAT INC
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

PRECISION ELECTRO COAT INCORPORATED (Continued) **1000874229**

. Waste code: D018
. Waste name: BENZENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 08/20/1993
Date achieved compliance: 10/27/1993
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 08/27/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/20/1993
Date achieved compliance: 09/10/1993
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 08/27/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/20/1993
Date achieved compliance: 10/27/1993
Violation lead agency: State

PRECISION ELECTRO COAT INCORPORATED (Continued) **1000874229**

Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 08/27/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/04/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/18/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/20/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 10/27/1993
Evaluation lead agency: State

Evaluation date: 08/20/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/27/1993
Evaluation lead agency: State

Evaluation date: 08/20/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/10/1993
Evaluation lead agency: State

FINDS:

Registry ID: 110004807656

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

PRECISION ELECTRO COAT INCORPORATED (Continued) **1000874229**

corrective action activities required under RCRA.

OR MANIFEST:

Manifest Year:	Manifest Year - 2004
EPA Id:	ORD987201373
Inactive Status:	Not reported
Organization Name:	Not reported
Contact Name:	Gene Boehm
Contact Telephone Number:	(503) 234-6995
Mailing Address:	PO Box 42364
Mailing City/State/Zip:	Portland, OR 97242

Manifest:

Year :	2004
RCRA Id :	ORD987201373
Inactive :	Not reported
Status:	Small quantity generator
Manifest :	80982
Ship Date :	11/04/2004
TSD :	CAD009452657
WS Num:	Not reported
Transporter:	CAD009452657
Ship Qty :	220
Rpt Unit :	GAL
Off Mng :	H061
EPA Waste Codes:	D001 D018 D035 F002 F003 F005
Waste Description:	Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 1:	Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2:	Not reported

Year :	2004
RCRA Id :	ORD987201373
Inactive :	Not reported
Status:	Small quantity generator
Manifest :	14913
Ship Date :	05/14/2004
TSD :	WAD981769110
WS Num:	Not reported
Transporter:	WAD058364647
Ship Qty :	110
Rpt Unit :	GAL
Off Mng :	H061
EPA Waste Codes:	D001 D018 D035 F002 F003 F005
Waste Description:	Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 1:	Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2:	Not reported

ECHO:

Envid:	1000874229
Registry ID:	110004807656
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported

PRECISION ELECTRO COAT INCORPORATED (Continued) **1000874229**

US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51457
Longitude:	-122.65436
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011179
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Y
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	04/04/2006
Days Last Inspection:	3456
Informal Count:	0
Date Last Informal Action:	08/27/1993
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported

PRECISION ELECTRO COAT INCORPORATED (Continued) **1000874229**

CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD987201373
RCRA Permit Types:	CESQG
RCRA NAICS:	23832
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	3456
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004807656
Facility SIC Codes:	Not reported
Facility NAICS Codes:	23832
Facility Date Last Inspection EPA:	Not reported

PRECISION ELECTRO COAT INCORPORATED (Continued) **1000874229**

Facility Date Last Inspection State: 04/04/2006
Facility Date Last Formal ACT EPA: Not reported
Facility Date Last Formal ACT ST: Not reported
Facility Date Last Inforamal ACT EPA: Not reported
Facility Date Last Informal ACT ST: 08/27/1993
Facility Federal Agency: Not reported
TRI Reporter: Not reported
Facility IMP Water Flag: Not reported

K41 **LEYFAX COMPANY** **EDR Hist Auto** **1009486943**
WSW **1405 SE 8TH AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.060 mi.
319 ft. **Site 1 of 4 in cluster K**

Relative:
Higher

Actual:
47 ft.

EDR Historical Auto Stations:
Name: LEYFAX COMPANY
Year: 1985
Type: AUTOMOBILE REPAIRING

L42 **HIBBARD AND BARR GARAGE INC** **EDR Hist Auto** **1009485070**
NNE **1037 SE TAYLOR** **N/A**
< 1/8 **PORTLAND, OR**
0.064 mi.
337 ft. **Site 1 of 2 in cluster L**

Relative:
Higher

Actual:
42 ft.

EDR Historical Auto Stations:
Name: HIBBARD AND BARR GARAGE INC
Year: 1935
Type: AUTOMOBILE GARAGES

Name: MARKET GARAGE
Year: 1940
Type: AUTOMOBILE REPAIRING

E43 **H AND L ASSOCIATED SERVICE** **EDR Hist Auto** **1009485578**
SE **1139 SE HAWTHORNE BLVD** **N/A**
< 1/8 **PORTLAND, OR**
0.066 mi.
348 ft. **Site 7 of 7 in cluster E**

Relative:
Higher

Actual:
46 ft.

EDR Historical Auto Stations:
Name: VEATCH WM J
Year: 1935
Type: GASOLINE AND OIL SERVICE STATIONS

Name: BYSTRY JACK J
Year: 1940
Type: GASOLINE AND OIL SERVICE STATIONS

Name: H AND L ASSOCIATED SERVICE
Year: 1950
Type: GASOLINE STATIONS

Name: SADOFF S ASSOCIATED SERVICE

H AND L ASSOCIATED SERVICE (Continued) **1009485578**

Year: 1955
Type: GASOLINE STATIONS

F44 **MULTNOMAH PRINTING INC** **RCRA NonGen / NLR** **1005417919**
WSW **1339 SE 8TH AVE** **FINDS** **ORQ000017533**
< 1/8 **PORTLAND, OR 97214** **ECHO**
0.068 mi.
359 ft. **Site 4 of 4 in cluster F**

Relative: Higher

Actual: 47 ft.

RCRA NonGen / NLR:
Date form received by agency: 12/31/2005
Facility name: MULTNOMAH PRINTING INC
Facility address: 1339 SE 8TH AVE
PORTLAND, OR 97214
EPA ID: ORQ000017533
Contact: DEBBIE JENSEN
Contact address: 1339 SE 8TH AVE
PORTLAND, OR 97214
Contact country: US
Contact telephone: 503 234-4048
Contact email: MULTPRINT@AOL.COM
EPA Region: 10
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: JOE PEREZ
Owner/operator address: 1339 SE 8TH AVE.
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: 503-234-4048
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/31/2005
Owner/Op end date: Not reported

Owner/operator name: MULTNOMAH PRINTING INC.
Owner/operator address: 1339 SE 8TH AVE
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: 503 234-4048
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/31/2005
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

MULTNOMAH PRINTING INC (Continued) **1005417919**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 06/17/2002
Site name: MULTNOMAH PRINTING INC
Classification: Not a generator, verified

Date form received by agency: 04/03/2001
Site name: MULTNOMAH PRINTING INC
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110012259046

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1005417919
Registry ID:	110012259046
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51315
Longitude:	-122.65804
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051

MULTNOMAH PRINTING INC (Continued) **1005417919**

Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011133
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported

MULTNOMAH PRINTING INC (Continued) **1005417919**

CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORQ000017533
RCRA Permit Types:	Other
RCRA NAICS:	11111
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110012259046
Facility SIC Codes:	Not reported
Facility NAICS Codes:	11111
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

G45
SW
< 1/8
0.070 mi.
367 ft.

NATIONAL LAUNDRY CO
828 SE HAWTHORNE BLVD
PORTLAND, OR

Site 3 of 4 in cluster G

EDR Hist Cleaner **1009483207**
N/A

Relative:
Higher

Actual:
49 ft.

EDR Historical Cleaners:

Name:	NATIONAL LAUNDRY CO
Year:	1950
Type:	LAUNDRIES
Name:	NATIONAL LAUNDRY CO
Year:	1955
Type:	LAUNDRIES

M46
ENE
< 1/8
0.072 mi.
379 ft.

CASCADE COIL DRAPERY INC
1239 SE 12TH AVE
PORTLAND, OR 97214

Site 1 of 2 in cluster M

RCRA NonGen / NLR **1004771952**
FINDS **ORR000000232**
ECHO

Relative:
Higher

Actual:
51 ft.

RCRA NonGen / NLR:

Date form received by agency:	12/31/2005
Facility name:	CASCADE COIL DRAPERY INC
Facility address:	1239 SE 12TH AVE PORTLAND, OR 97214-3664
EPA ID:	ORR000000232
Mailing address:	PO BOX 3707 TUALATIN, OR 97062-7505
Contact:	RONALD A SCHOENHEIT
Contact address:	PO BOX 3707 TUALATIN, OR 97062-7505
Contact country:	US
Contact telephone:	971 224-2188
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CASCADE COIL DRAPERY INC.
Owner/operator address:	PO BOX 3707 TUALATIN, OR 97062
Owner/operator country:	US
Owner/operator telephone:	971 224-2188
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/08/1995
Owner/Op end date:	Not reported
Owner/operator name:	CASCADE COIL DRAPERY INC.
Owner/operator address:	PO BOX 3707 TUALATIN, OR 97062
Owner/operator country:	US
Owner/operator telephone:	971 224-2188
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/2005
Owner/Op end date:	Not reported

CASCADE COIL DRAPERY INC (Continued) **1004771952**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 12/31/2003
Site name: CASCADE COIL DRAPERY INC
Classification: Not a generator, verified

Date form received by agency: 01/07/2003
Site name: CASCADE COIL DRAPERY INC
Classification: Not a generator, verified

Date form received by agency: 02/14/2002
Site name: CASCADE COIL DRAPERY INC
Classification: Not a generator, verified

Date form received by agency: 01/10/2001
Site name: CASCADE COIL DRAPERY INC
Classification: Not a generator, verified

Date form received by agency: 02/09/2000
Site name: CASCADE COIL DRAPERY INC
Classification: Not a generator, verified

Date form received by agency: 02/10/1999
Site name: CASCADE COIL DRAPERY INC
Classification: Not a generator, verified

Date form received by agency: 01/07/1998
Site name: CASCADE COIL DRAPERY INC
Classification: Not a generator, verified

Date form received by agency: 01/21/1997
Site name: CASCADE COIL DRAPERY INC
Classification: Not a generator, verified

Date form received by agency: 01/31/1996
Site name: CASCADE COIL DRAPERY INC
Classification: Not a generator, verified

CASCADE COIL DRAPERY INC (Continued) **1004771952**

Date form received by agency: 03/08/1995
Site name: CASCADE COIL DRAPERY INC
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004820971

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1004771952
Registry ID:	110004820971
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51386
Longitude:	-122.65397
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011180
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN

CASCADE COIL DRAPERY INC (Continued) **1004771952**

Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported

CASCADE COIL DRAPERY INC (Continued) **1004771952**

RCRA IDS:	ORR000000232
RCRA Permit Types:	Other
RCRA NAICS:	332618
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004820971
Facility SIC Codes:	Not reported
Facility NAICS Codes:	332618
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

J47 **HEATING OIL TANK** **OR LUST** **S112225509**
NE **1135 SE SALMON ST** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.072 mi.
381 ft. **Site 2 of 4 in cluster J**

Relative:
Higher

Actual:
48 ft.

LUST:

Region:	North Western Region
Facility ID:	26-12-1034
Cleanup Received Date:	08/30/2012
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**04/29/2014**
Decode for Region:	**North West Region**

H48 **W G WRIGHT & ASSOC INC** **RCRA-CESQG** **1005417752**
South **1525 SE 10TH AVE** **FINDS** **ORQ000015594**
< 1/8 **PORTLAND, OR 97214** **ECHO**
0.074 mi.
389 ft. **Site 3 of 3 in cluster H**

Relative:
Higher

Actual:
45 ft.

RCRA-CESQG:

Date form received by agency:	12/31/2003
Facility name:	W G WRIGHT & ASSOC INC
Facility address:	1525 SE 10TH AVE PORTLAND, OR 97214
EPA ID:	ORQ000015594
Contact:	SUE RUBIN
Contact address:	1525 SE 10TH AVE PORTLAND, OR 97214
Contact country:	US
Contact telephone:	503 232-3480
Contact email:	Not reported
EPA Region:	10
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	C/O W G WRIGHT & ASSOC INC
Owner/operator address:	1525 SE 10TH AVE PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	(503) 232-3480
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	08/16/2000
Owner/Op end date:	Not reported

Owner/operator name:	C/O W G WRIGHT & ASSOC INC
Owner/operator address:	1525 SE 10TH AVE PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	(503) 232-3480
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/2003
Owner/Op end date:	Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

W G WRIGHT & ASSOC INC (Continued) **1005417752**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 03/13/2003
Site name: W G WRIGHT & ASSOC INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/22/2002
Site name: W G WRIGHT & ASSOC INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/26/2001
Site name: W G WRIGHT & ASSOC INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 08/16/2000
Site name: W G WRIGHT & ASSOC INC
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110012276697

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

W G WRIGHT & ASSOC INC (Continued) **1005417752**

ECHO:

Envid:	1005417752
Registry ID:	110012276697
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51173
Longitude:	-122.65595
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011021006
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Y
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported

W G WRIGHT & ASSOC INC (Continued) **1005417752**

CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORQ000015594
RCRA Permit Types:	CESQG
RCRA NAICS:	42371
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported

W G WRIGHT & ASSOC INC (Continued) **1005417752**

FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110012276697
Facility SIC Codes:	Not reported
Facility NAICS Codes:	42371
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

J49 **UNIQUE PRODUCTS INC** **RCRA NonGen / NLR** **1000350619**
NE **1106 SE TAYLOR ST** **FINDS** **ORD982654683**
< 1/8 **PORTLAND, OR 97214** **ECHO**
0.079 mi.
415 ft. **Site 3 of 4 in cluster J**

Relative:
Higher

Actual:
48 ft.

RCRA NonGen / NLR:

Date form received by agency:	12/28/1995
Facility name:	UNIQUE PRODUCTS INC
Facility address:	1106 SE TAYLOR ST PORTLAND, OR 97214
EPA ID:	ORD982654683
Mailing address:	2501 SE REEDWAY PORTLAND, OR 97202
Contact:	TOM LINNEMANN
Contact address:	2501 SE REEDWAY PORTLAND, OR 97202
Contact country:	US
Contact telephone:	(503) 231-9697
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	GENESIS INC
Owner/operator address:	1106 SE TAYLOR PORTLAND, OR 97202
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	12/28/1995
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No

UNIQUE PRODUCTS INC (Continued) **1000350619**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/10/1989
Site name: UNIQUE PRODUCTS INC
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004794571

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1000350619
Registry ID: 110004794571
FIPS Code: 41051
EPA Region: 10
Indian Country Flag: N
Federal Flag: Not reported
US Mexico Border Flag: Not reported
Chesapeake Bay Flag: Not reported
NAA Flag: Not reported
Latitude: 45.51457
Longitude: -122.65398
Map Icon: RCRA-IC-MN-N.png
Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy Meters: 30
Derived Tribes: Not reported
Derived Huc: 17090012
Derived WBD: Not reported
Derived STCT FPS: 41051
Derived Zip: 97214
Derived CD113: 03
Derived CB2010: 410510011011179

UNIQUE PRODUCTS INC (Continued) **1000350619**

Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported

UNIQUE PRODUCTS INC (Continued) **1000350619**

CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD982654683
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004794571
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

G50 **BILLINGS & CRONN COMPANY** **OR LUST** **U000432662**
SSW **1535 SE 9TH AVE** **OR UST** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.080 mi.
423 ft. **Site 4 of 4 in cluster G**

Relative:
Higher

Actual:
47 ft.

LUST:

Region:	North Western Region
Facility ID:	26-91-0248
Cleanup Received Date:	07/03/1991
Cleanup Start Date:	07/02/1991
Cleanup Complete Date:	**03/17/1995**
Decode for Region:	**North West Region**

UST:

Facility ID:	9989
Facility Telephone:	(503) 235-2131
Permittee Name:	SARAK ANNE SCHMIDT, BOOKKEEPER
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	1
Number of Tanks:	1

N51 **HENRY S AUTO AND TRUCK SERVICE** **EDR Hist Auto** **1009486949**
ESE **1406 SE 12TH AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.081 mi.
430 ft. **Site 1 of 14 in cluster N**

Relative:
Higher

Actual:
47 ft.

EDR Historical Auto Stations:

Name:	HENRY S AUTO AND TRUCK SERVICE
Year:	1955
Type:	AUTOMOBILE REPAIRING

N52 **CREGON LAUNDRY CLEANERS** **EDR Hist Cleaner** **1009476951**
ESE **1406 SE 12TH AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.081 mi.
430 ft. **Site 2 of 14 in cluster N**

Relative:
Higher

Actual:
47 ft.

EDR Historical Cleaners:

Name:	OREGON LAUN DRY CLEANERS
Year:	1960
Type:	LAUNDRIES
Name:	CREGON LAUNDRY CLEANERS
Year:	1965
Type:	LAUNDRIES
Name:	OREGON LAUNDRY CLEANERS
Year:	1970
Type:	LAUNDRIES

N53
SE
< 1/8
0.083 mi.
436 ft.

LAUER ARTH
1172 HAWTHORNE AVE
PORTLAND, OR

Site 3 of 14 in cluster N

EDR Hist Auto **1009485719**
N/A

Relative:
Higher

Actual:
46 ft.

EDR Historical Auto Stations:
Name: LAUER ARTH
Year: 1930
Type: AUTOMOBILE REPAIRING

L54
North
< 1/8
0.085 mi.
450 ft.

GLOBE SERVICE STATION ANNEX
1002 SE 10TH AVE
PORTLAND, OR

Site 2 of 2 in cluster L

EDR Hist Auto **1009484782**
N/A

Relative:
Higher

Actual:
43 ft.

EDR Historical Auto Stations:
Name: GLOBE SERVICE STATION ANNEX
Year: 1940
Type: GASOLINE AND OIL SERVICE STATIONS

55
NNW
< 1/8
0.086 mi.
455 ft.

ENVIRONMENTAL BUILDING SUPPLIES
819 SE TAYLOR ST
PORTLAND, OR 97214

RCRA-CESQG **1001233564**
OR MANIFEST **ORQ000010439**

Relative:
Higher

Actual:
43 ft.

RCRA-CESQG:
Date form received by agency: 12/31/2009
Facility name: ENVIRONMENTAL BUILDING SUPPLIES
Facility address: 819 SE TAYLOR ST
PORTLAND, OR 97214
EPA ID: ORQ000010439
Contact: TY PATZER
Contact address: 819 SE TAYLOR ST
PORTLAND, OR 97214
Contact country: US
Contact telephone: 503222-3881
Contact email: Not reported
EPA Region: 10
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

ENVIRONMENTAL BUILDING SUPPLIES (Continued) **1001233564**

Owner/Operator Summary:
Owner/operator name: ENVIRONMENTAL BUILDING SUPPLIES
Owner/operator address: 819 SE TAYLOR
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: 503-222-3881
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: 12/31/2009
Owner/Op end date: Not reported

Owner/operator name: BUILT-E INC
Owner/operator address: 4121 1ST AVE S
SEATTLE, WA 98124
Owner/operator country: US
Owner/operator telephone: 1-800-281-9785
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/01/2006
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 12/31/2008
Site name: ENVIRONMENTAL BUILDING SUPPLIES
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/31/2007
Site name: ENVIRONMENTAL BUILDING SUPPLIES
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 06/01/2006
Site name: ENVIRONMENTAL BUILDING SUPPLIES
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 05/31/2006
Site name: ENVIRONMENTAL BUILDING SUPPLIES

ENVIRONMENTAL BUILDING SUPPLIES (Continued) **1001233564**

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/31/2005
Site name: ENVIRONMENTAL BUILDING SUPPLIES
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/31/2004
Site name: ENVIRONMENTAL BUILDING SUPPLIES
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/31/2003
Site name: ENVIRONMENTAL BUILDING SUPPLIES
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 06/24/2003
Site name: ENVIRONMENTAL BUILDING SUPPLIES
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/01/2002
Site name: SHAWNA MARIE INC DBA AMER FINISHING TECH
Classification: Small Quantity Generator

Date form received by agency: 01/18/2001
Site name: SHAWNA MARIE INC DBA AMER FINISHING TECH
Classification: Large Quantity Generator

Date form received by agency: 01/18/2001
Site name: VINTAGE DESIGN INC DBA AMERICAN FINISHIN
Classification: Not a generator, verified

Date form received by agency: 02/18/2000
Site name: VINTAGE DESIGN INC DBA AMERICAN FINISHIN
Classification: Small Quantity Generator

Date form received by agency: 02/08/1999
Site name: VINTAGE DESIGN INC DBA AMERICAN FINISHIN
Classification: Small Quantity Generator

Date form received by agency: 02/08/1999
Site name: VINTAGE DESIGN INC DBA AMERICAN FINISHIN
Classification: Small Quantity Generator

Date form received by agency: 01/27/1999
Site name: VINTAGE DESIGN INC DBA AMERICAN FINISHIN
Classification: Small Quantity Generator

Date form received by agency: 11/09/1998
Site name: VINTAGE DESIGN INC DBA AMERICAN FINISHIN
Classification: Small Quantity Generator

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS)

ENVIRONMENTAL BUILDING SUPPLIES (Continued) **1001233564**

ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F019
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM, EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 10/28/1998
Date achieved compliance: 11/27/1998
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 11/04/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 10/28/1998
Date achieved compliance: 11/27/1998
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 11/04/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/28/1998
Date achieved compliance: 11/27/1998
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 11/04/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/28/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

ENVIRONMENTAL BUILDING SUPPLIES (Continued) **1001233564**

Area of violation: Generators - Records/Reporting
Date achieved compliance: 11/27/1998
Evaluation lead agency: State

Evaluation date: 10/28/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 11/27/1998
Evaluation lead agency: State

Evaluation date: 10/28/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/27/1998
Evaluation lead agency: State

OR MANIFEST:
Manifest Year: Manifest Year - 2007
EPA Id: ORQ000010439
Inactive Status: Not reported
Organization Name: Not reported
Contact Name: Ty Patzer
Contact Telephone Number: 503222-3881
Mailing Address: 819 SE Taylor St
Mailing City/State/Zip: Portland, OR 97214

N56 **ROBERTI AND RUZZUTTI** **EDR Hist Auto** **1009487017**
ESE **1420 SE 12TH AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.089 mi.
468 ft. **Site 4 of 14 in cluster N**

Relative: Higher
Actual: 47 ft.

EDR Historical Auto Stations:
Name: ROBERTI AND RUZZUTTI
Year: 1935
Type: AUTOMOBILE REPAIRING

N57 **TOW LEONARD MOTOR BLOCK WELDING** **EDR Hist Auto** **1009487045**
ESE **1424 SE 12TH AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.089 mi.
472 ft. **Site 5 of 14 in cluster N**

Relative: Higher
Actual: 47 ft.

EDR Historical Auto Stations:
Name: TOW LEONARD MOTOR BLOCK WELDING
Year: 1955
Type: AUTOMOBILE REPAIRING

J58 **REACH COMMUNITY DEVELOPMENT** **RCRA-CESQG** **1004770073**
ENE **1135 SE SALMON ST** **FINDS** **ORD086612082**
< 1/8 **PORTLAND, OR 97214** **ECHO**
0.090 mi.
474 ft. **Site 4 of 4 in cluster J**

Relative:
Higher

Actual:
52 ft.

RCRA-CESQG:

Date form received by agency:	12/31/2003
Facility name:	REACH COMMUNITY DEVELOPMENT
Facility address:	1135 SE SALMON ST PORTLAND, OR 97214
EPA ID:	ORD086612082
Mailing address:	1135 SE SALMON STREET PORTLAND, OR 97214
Contact:	NICK ILIINSKY
Contact address:	1135 SE SALMON STREET PORTLAND, OR 97214
Contact country:	US
Contact telephone:	503 231-0682 X1
Contact email:	Not reported
EPA Region:	10
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	REACH COMMUNITY DEVELOPMENT INC
Owner/operator address:	1135 SE SALMON ST PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	(503) 231-0682
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	09/11/1998
Owner/Op end date:	Not reported

Owner/operator name:	REACH COMMUNITY DEVELOPMENT INC
Owner/operator address:	1135 SE SALMON ST PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	(503) 231-0682
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/2003
Owner/Op end date:	Not reported

REACH COMMUNITY DEVELOPMENT (Continued) **1004770073**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 12/31/2002
Site name: REACH COMMUNITY DEVELOPMENT
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/04/2002
Site name: REACH COMMUNITY DEVELOPMENT
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/17/2001
Site name: REACH COMMUNITY DEVELOPMENT
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/17/2001
Site name: REACH COMMUNITY DEVELOPMENT
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/02/2000
Site name: REACH COMMUNITY DEVELOPMENT
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 09/11/1998
Site name: REACH COMMUNITY DEVELOPMENT
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004786893

Environmental Interest/Information System
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon’s Environment.

REACH COMMUNITY DEVELOPMENT (Continued) **1004770073**

DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1004770073
Registry ID:	110004786893
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51457
Longitude:	-122.65397
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011179
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Y
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____

REACH COMMUNITY DEVELOPMENT (Continued) **1004770073**

AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD086612082
RCRA Permit Types:	CESQG
RCRA NAICS:	62422
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	
SDWA IDS:	Not reported

REACH COMMUNITY DEVELOPMENT (Continued) **1004770073**

SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004786893
Facility SIC Codes:	Not reported
Facility NAICS Codes:	62422
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

N59 **NORTHWEST STATIONS** **EDR Hist Auto** **1009485907**
ESE **1207 SE HAWTHORNE BLVD** **N/A**
< 1/8 **PORTLAND, OR**
0.091 mi.
482 ft. **Site 6 of 14 in cluster N**

Relative:
Higher

Actual:
47 ft.

EDR Historical Auto Stations:

Name:	WINTERS AND OWENS
Year:	1935
Type:	AUTOMOBILE REPAIRING
Name:	NORTHWEST STATIONS
Year:	1955
Type:	GASOLINE STATIONS
Name:	NORTHWEST AUTO LEASE CO
Year:	1955
Type:	AUTOMOBILE REPAIRING

M60 **ODEQ TECHNICAL CENTER** **RCRA-CESQG** **1004771859**
ENE **1240 SOUTHEAST 12TH AVENUE** **FINDS** **ORQ000015057**
< 1/8 **PORTLAND, OR 97214** **ECHO**
0.092 mi.
485 ft. **Site 2 of 2 in cluster M**

Relative:
Higher

Actual:
53 ft.

RCRA-CESQG:

Date form received by agency:	12/31/2003
Facility name:	ODEQ TECHNICAL CENTER
Facility address:	1240 SE 12TH AVE PORTLAND, OR 97214-3603
EPA ID:	ORQ000015057
Contact:	FRED HARDT
Contact address:	1240 SE 12TH AVE PORTLAND, OR 97214
Contact country:	US
Contact telephone:	503 731-3050 EX
Contact email:	Not reported
EPA Region:	10
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	OREGON DEPT OF ENVIRONMENTAL QUALITY
Owner/operator address:	811 SW 6TH AVE VIP PRO PORTLAND, OR 97204
Owner/operator country:	US
Owner/operator telephone:	503 731-3050 X2
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	06/06/2000
Owner/Op end date:	Not reported

Owner/operator name:	OREGON DEPT OF ENVIRONMENTAL QUALITY
Owner/operator address:	811 SW 6TH AVE VIP PRO PORTLAND, OR 97204
Owner/operator country:	US
Owner/operator telephone:	503 731-3050 X2
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/2003
Owner/Op end date:	Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

ODEQ TECHNICAL CENTER (Continued) **1004771859**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 03/18/2003
Site name: ODEQ TECHNICAL CENTER
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/22/2002
Site name: ODEQ TECHNICAL CENTER
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/07/2001
Site name: ODEQ TECHNICAL CENTER
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 06/06/2000
Site name: ODEQ TECHNICAL CENTER
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004820463

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

ODEQ TECHNICAL CENTER (Continued) **1004771859**

corrective action activities required under RCRA.

ECHO:

Envid:	1004771859
Registry ID:	110004820463
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51399
Longitude:	-122.65335
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011012020
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Y
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported

ODEQ TECHNICAL CENTER (Continued) **1004771859**

CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORQ000015057
RCRA Permit Types:	CESQG
RCRA NAICS:	92411
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported

ODEQ TECHNICAL CENTER (Continued) **1004771859**

FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004820463
Facility SIC Codes:	Not reported
Facility NAICS Codes:	92411
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

K61 **ON TIME CLEANIERS** **EDR Hist Cleaner** **1009482744**
SW **751 HAWTHORNE AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.092 mi.
487 ft. **Site 2 of 4 in cluster K**

Relative:
Higher

Actual:
54 ft.

EDR Historical Cleaners:

Name:	ON TIME CLEANIERS
Year:	1930
Type:	CLEANERS GARMENTS CURTAINS AND DRAPERIES

K62 **COLONIAL SERVICE STATION** **EDR Hist Auto** **1009494883**
SW **752 HAWTHORNE** **N/A**
< 1/8 **PORTLAND, OR**
0.096 mi.
506 ft. **Site 3 of 4 in cluster K**

Relative:
Higher

Actual:
54 ft.

EDR Historical Auto Stations:

Name:	COLONIAL SERVICE STATION
Year:	1930
Type:	GASOLINE AND OIL SERVICE STATIONS

N63 **CRAWFORD IRA G** **EDR Hist Auto** **1009485899**
SE **1206 HAWTHORNE AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.096 mi.
508 ft. **Site 7 of 14 in cluster N**

Relative:
Higher

Actual:
47 ft.

EDR Historical Auto Stations:

Name:	CRAWFORD IRA G
Year:	1930
Type:	AUTOMOBILE GARAGES

O64 **HEATING OIL TANK** **OR LUST** **S103422370**
West **1310 SE 7TH AVENUE** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.098 mi.
518 ft. **Site 1 of 2 in cluster O**

Relative:
Higher

Actual:
51 ft.

LUST:
Region: North Western Region
Facility ID: 26-98-0875
Cleanup Received Date: 10/16/1998
Cleanup Start Date: 10/16/1998
Cleanup Complete Date: 11/19/1998
Decode for Region: North West Region

N65 **BOTTORF PROPERTY** **OR LUST** **S111210542**
SE **1212 SE HAWTHORNE BLVD** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.098 mi.
520 ft. **Site 8 of 14 in cluster N**

Relative:
Higher

Actual:
48 ft.

LUST:
Region: North Western Region
Facility ID: 26-11-0356
Cleanup Received Date: 04/25/2011
Cleanup Start Date: Not reported
Cleanup Complete Date: Not reported
Decode for Region: North West Region

P66 **AUTOMATIC TRANSMISSION EXCHANGE** **EDR Hist Auto** **1009496300**
South **927 SE CLAY** **N/A**
< 1/8 **PORTLAND, OR**
0.100 mi.
528 ft. **Site 1 of 5 in cluster P**

Relative:
Higher

Actual:
48 ft.

EDR Historical Auto Stations:
Name: AUTOMATIC TRANSMISSION EXCHANGE
Year: 1960
Type: AUTOMOBILE REPAIRING

P67 **TRI-MET PARATRANSIT MAINTENANCE BLDG** **RCRA NonGen / NLR** **1000694941**
South **925 SE CLAY ST** **FINDS** **ORD987195252**
< 1/8 **PORTLAND, OR 97214** **ECHO**
0.100 mi.
528 ft. **Site 2 of 5 in cluster P**

Relative:
Higher

Actual:
48 ft.

RCRA NonGen / NLR:
Date form received by agency: 02/25/1998
Facility name: TRI-MET PARATRANSIT MAINTENANCE BLDG
Facility address: 925 SE CLAY ST
PORTLAND, OR 97214
EPA ID: ORD987195252
Mailing address: 4012 SE 17TH AVENUE
PORTLAND, OR 97202
Contact: SANDRA H. MOREY
Contact address: 4012 SE 17TH AVENUE
PORTLAND, OR 97202
Contact country: US

TRI-MET PARATRANSIT MAINTENANCE BLDG (Continued) **1000694941**

Contact telephone: (503) 962-2470
Contact email: Not reported
EPA Region: 10
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: WHOLESALE FOUNTAIN SUPPLY
Owner/operator address: 1313 NW 17TH AVE
PORTLAND, OR 97209
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/25/1998
Owner/Op end date: Not reported

Owner/operator name: TRI-MET
Owner/operator address: 4012 SE 17TH AVENUE
PORTLAND, OR 97202
Owner/operator country: US
Owner/operator telephone: (503) 962-4867
Legal status: District
Owner/Operator Type: Operator
Owner/Op start date: 02/25/1998
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/24/1998
Site name: TRI-MET PARATRANSIT MAINTENANCE BLDG
Classification: Not a generator, verified

Date form received by agency: 02/23/1998
Site name: TRI-MET PARATRANSIT MAINTENANCE BLDG
Classification: Not a generator, verified

Date form received by agency: 02/24/1997
Site name: TRI-MET PARATRANSIT MAINTENANCE BLDG
Classification: Not a generator, verified

TRI-MET PARATRANSIT MAINTENANCE BLDG (Continued) **1000694941**

Date form received by agency: 03/01/1996
Site name: TRI-MET PARATRANSIT MAINTENANCE BLDG
Classification: Not a generator, verified

Date form received by agency: 02/28/1995
Site name: TRI-MET PARATRANSIT MAINTENANCE BLDG
Classification: Not a generator, verified

Date form received by agency: 02/28/1994
Site name: TRI-MET PARATRANSIT MAINTENANCE BLDG
Classification: Not a generator, verified

Date form received by agency: 03/01/1993
Site name: TRI-MET PARATRANSIT MAINTENANCE BLDG
Classification: Not a generator, verified

Date form received by agency: 04/01/1992
Site name: TRI-MET PARATRANSIT MAINTENANCE BLDG
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110064299272

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1000694941
Registry ID:	110064299272
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51172
Longitude:	-122.65634
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported

TRI-MET PARATRANSIT MAINTENANCE BLDG (Continued) **1000694941**

Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011021006
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported

TRI-MET PARATRANSIT MAINTENANCE BLDG (Continued) **1000694941**

CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD987195252
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110064299272
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

Q68 **TWO ZELLS INC DBA CAMERA GRAPHICS II** **RCRA NonGen / NLR** **1004770912**
WNW **1200 SE 7TH AVE** **FINDS** **ORD987199619**
< 1/8 **PORTLAND, OR 97214** **NY MANIFEST**
0.101 mi. **ECHO**
533 ft. **Site 1 of 4 in cluster Q**

Relative:
Higher

Actual:
50 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/24/2001
Facility name:	TWO ZELLS INC DBA CAMERA GRAPHICS II
Facility address:	1200 SE 7TH AVE PORTLAND, OR 97214
EPA ID:	ORD987199619
Mailing address:	105 SE 18TH AVE PORTLAND, OR 97214
Contact:	JOHN ZELL
Contact address:	105 SE 18TH AVE PORTLAND, OR 97214
Contact country:	US
Contact telephone:	(503) 234-1967
Contact email:	JZELL@ZEPHYR.NET
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	TWO ZELLS INC
Owner/operator address:	105 SE 18TH AVE PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	(503) 234-1967
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/24/2001
Owner/Op end date:	Not reported

Owner/operator name:	TWO ZELLS INC DBA CAMERA GRAPHICS II
Owner/operator address:	105 SE 18TH AVE PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	(503) 234-1967
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/24/2001
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

TWO ZELLS INC DBA CAMERA GRAPHICS II (Continued) **1004770912**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/17/2000
Site name: TWO ZELLS INC DBA CAMERA GRAPHICS II
Classification: Not a generator, verified

Date form received by agency: 01/21/1999
Site name: TWO ZELLS INC DBA CAMERA GRAPHICS II
Classification: Not a generator, verified

Date form received by agency: 04/30/1998
Site name: TWO ZELLS INC DBA CAMERA GRAPHICS II
Classification: Not a generator, verified

Date form received by agency: 02/26/1997
Site name: TWO ZELLS INC DBA CAMERA GRAPHICS II
Classification: Not a generator, verified

Date form received by agency: 04/18/1996
Site name: CAMERA GRAPHICS INC
Classification: Not a generator, verified

Date form received by agency: 04/18/1996
Site name: TWO ZELLS INC DBA CAMERA GRAPHICS II
Classification: Not a generator, verified

Date form received by agency: 01/06/1995
Site name: CAMERA GRAPHICS INC
Classification: Not a generator, verified

Date form received by agency: 01/05/1994
Site name: CAMERA GRAPHICS INC
Classification: Not a generator, verified

Date form received by agency: 09/22/1993
Site name: CAMERA GRAPHICS INC
Classification: Not a generator, verified

Date form received by agency: 04/01/1992
Site name: CAMERA GRAPHICS INC
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004806390

Environmental Interest/Information System
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment.

TWO ZELLS INC DBA CAMERA GRAPHICS II (Continued) **1004770912**

DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	ORD987199619
Country:	USA
Location Address 1:	1200 SE 7TH AVENUE
Location Address 2:	Not reported
Location City:	PORTLAND
Location State:	OR
Location Zip Code:	97214
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CAMERA GRAPHICS
Contact:	JOHN ZELL
Address:	1200 SE 7TH AVENUE
City/State/Zip:	PORTLAND, OR 97214
Country:	USA
Phone:	503-234-1967

Manifest:

Document ID:	NYG1082079
Manifest Status:	Not reported
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	03/19/1999
Trans1 Recv Date:	03/19/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/31/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	ORD987199619
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD045604964
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00105
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	1999

TWO ZELLS INC DBA CAMERA GRAPHICS II (Continued) **1004770912**

Document ID:	NYG0550836
Manifest Status:	Not reported
Trans1 State ID:	11282PNY
Trans2 State ID:	Not reported
Generator Ship Date:	07/29/1998
Trans1 Recv Date:	07/29/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/17/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	ORD987199619
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD045604964
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00105
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	1998

Document ID:	NYG1358019
Manifest Status:	Not reported
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	10/20/1998
Trans1 Recv Date:	10/20/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/18/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	ORD987199619
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD045604964
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00045
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Year:	1998

Document ID:	NYG0478458
Manifest Status:	Not reported
Trans1 State ID:	14236PNY
Trans2 State ID:	Not reported
Generator Ship Date:	03/12/1998
Trans1 Recv Date:	03/12/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/08/1998
Part A Recv Date:	Not reported

TWO ZELLS INC DBA CAMERA GRAPHICS II (Continued) **1004770912**

Part B Recv Date: Not reported
Generator EPA ID: ORD987199619
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD045604964
Waste Code: D011 - SILVER 5.0 MG/L TCLP
Quantity: 00030
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 1998

Document ID: NYB7115031
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 11282PNY
Trans2 State ID: 12134PNY
Generator Ship Date: 10/03/1996
Trans1 Recv Date: 10/03/1996
Trans2 Recv Date: / /
TSD Site Recv Date: 10/25/1996
Part A Recv Date: / /
Part B Recv Date: 12/02/1996
Generator EPA ID: ORD987199619
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD045604964
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00060
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 120
Year: 1996

Document ID: NYB7116291
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 11282PNY
Trans2 State ID: Not reported
Generator Ship Date: 06/05/1997
Trans1 Recv Date: 06/05/1997
Trans2 Recv Date: / /
TSD Site Recv Date: 07/15/1997
Part A Recv Date: / /
Part B Recv Date: 07/30/1997
Generator EPA ID: ORD987199619
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD045604964
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00060
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004

TWO ZELLS INC DBA CAMERA GRAPHICS II (Continued) **1004770912**

Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 120
Year: 1997

Document ID: NYB7117128
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 11282PNY
Trans2 State ID: Not reported
Generator Ship Date: 12/22/1997
Trans1 Recv Date: 12/22/1997
Trans2 Recv Date: / /
TSD Site Recv Date: 01/13/1998
Part A Recv Date: / /
Part B Recv Date: 02/09/1998
Generator EPA ID: ORD987199619
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD045604964
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00045
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 120
Year: 1997

Document ID: NYB7116786
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 11282PNY
Trans2 State ID: Not reported
Generator Ship Date: 09/17/1997
Trans1 Recv Date: 09/17/1997
Trans2 Recv Date: / /
TSD Site Recv Date: 10/07/1997
Part A Recv Date: / /
Part B Recv Date: 10/29/1997
Generator EPA ID: ORD987199619
Trans1 EPA ID: NYD980769947
Trans2 EPA ID: Not reported
TSDF ID: NYD045604964
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00060
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 120
Year: 1997

Document ID: NYB7115733
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 11283PNY

TWO ZELLS INC DBA CAMERA GRAPHICS II (Continued) **1004770912**

Trans2 State ID:	Not reported
Generator Ship Date:	01/15/1997
Trans1 Recv Date:	01/15/1997
Trans2 Recv Date:	/ /
TSD Site Recv Date:	02/11/1997
Part A Recv Date:	/ /
Part B Recv Date:	02/24/1997
Generator EPA ID:	ORD987199619
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	NYD045604964
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00045
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	120
Year:	1997

ECHO:

Envid:	1004770912
Registry ID:	110004806390
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51401
Longitude:	-122.65838
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011132
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0

TWO ZELLS INC DBA CAMERA GRAPHICS II (Continued) **1004770912**

Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD987199619
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported

TWO ZELLS INC DBA CAMERA GRAPHICS II (Continued) **1004770912**

RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004806390
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

N69 **HANKES ALEX** **EDR Hist Auto** **1009485969**
ESE **1218 SE HAWTHORNE BLVD** **N/A**
< 1/8 **PORTLAND, OR**
0.101 mi.
533 ft. **Site 9 of 14 in cluster N**

Relative:
Higher

Actual:
48 ft.

EDR Historical Auto Stations:

Name:	HANKES ALEX
Year:	1940
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	OLIVERIO R
Year:	1950
Type:	GASOLINE STATIONS

N70 **SPACE AGE FUELS** **OR LUST** **1000913313**
ESE **1237 SE HAWTHORNE BLVD** **OR UST** **OR0000565069**
< 1/8 **PORTLAND, OR 97214** **RCRA NonGen / NLR**
0.101 mi. **FINDS**
533 ft. **Site 10 of 14 in cluster N** **ECHO**

Relative:
Higher

Actual:
47 ft.

LUST:

Region:	North Western Region
Facility ID:	26-92-0208
Cleanup Received Date:	07/27/1992
Cleanup Start Date:	07/27/1992
Cleanup Complete Date:	**12/22/2014**
Decode for Region:	**North West Region**

UST:

Facility ID:	8011
Facility Telephone:	(503)275-7411
Permittee Name:	MELVINA TAYLOR, PROPERTY MANAGER
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	5
Number of Tanks:	5

RCRA NonGen / NLR:

Date form received by agency:	07/05/2001
Facility name:	SPACE AGE FUELS
Facility address:	1237 SE HAWTHORNE BLVD PORTLAND, OR 97214
EPA ID:	OR0000565069
Mailing address:	11020 SW CLAY STREET SHERWOOD, OR 97140
Contact:	ERNIE R BIGHAUS
Contact address:	25455 SW GRAHAMS FERRY RD SHERWOOD, OR 97140
Contact country:	US
Contact telephone:	(503) 682-0781
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	US BANK REAL ESTATE
Owner/operator address:	PO BOX 3168 PORTLAND, OR 97208
Owner/operator country:	US
Owner/operator telephone:	(503) 275-5900
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	07/05/2001
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

SPACE AGE FUELS (Continued) **1000913313**

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 08/09/1994
Site name: SPACE AGE FUELS
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004774557

Environmental Interest/Information System
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1000913313
Registry ID: 110004774557
FIPS Code: 41051
EPA Region: 10
Indian Country Flag: N
Federal Flag: Not reported
US Mexico Border Flag: Not reported
Chesapeake Bay Flag: Not reported
NAA Flag: Not reported
Latitude: 45.5122
Longitude: -122.653314
Map Icon: RCRA-IC-MN-N.png
Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION

SPACE AGE FUELS (Continued) **1000913313**

Accuracy Meters:	50
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	170900120202
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011021002
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported

SPACE AGE FUELS (Continued) **1000913313**

CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	OR0000565069
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004774557
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

N71 **PARKER ROBT A** **EDR Hist Auto** **1009486096**
ESE **1237 SE HAWTHORNE BLVD** **N/A**
< 1/8 **PORTLAND, OR**
0.101 mi.
533 ft. **Site 11 of 14 in cluster N**

Relative:
Higher

Actual:
47 ft.

EDR Historical Auto Stations:

Name:	PARKER ROBT A
Year:	1940
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	SEVERSON LAWRENCE IT
Year:	1950
Type:	GASOLINE STATIONS
Name:	LARRY S RICHFIELD SERVICE
Year:	1955
Type:	GASOLINE STATIONS
Name:	LARRY S BICHFIELD SERVICE STATION
Year:	1960
Type:	GASOLINE STATIONS
Name:	LARRY S RICHFIELD SERVICE STATION
Year:	1965
Type:	GASOLINE STATIONS
Name:	LARRY S RICHFIELD SERVICE STATION
Year:	1970
Type:	GASOLINE STATIONS
Name:	LARRY S ARCO SERVICE STATION
Year:	1975
Type:	GASOLINE STATIONS
Name:	LARRY S ARCO SERVICE STATION
Year:	1981
Type:	GASOLINE STATIONS
Name:	LARRY S ARCO SERVICE STATION
Year:	1985
Type:	GASOLINE STATIONS

K72 **COLOUR SCAN** **RCRA NonGen / NLR** **1004769964**
SW **727 SE HAWTHORNE BLVD** **FINDS** **ORD050156876**
< 1/8 **PORTLAND, OR 97214** **ECHO**
0.102 mi.
538 ft. **Site 4 of 4 in cluster K**

Relative:
Higher

Actual:
54 ft.

RCRA NonGen / NLR:

Date form received by agency:	03/21/2002
Facility name:	COLOUR SCAN
Facility address:	727 SE HAWTHORNE BLVD PORTLAND, OR 97214
EPA ID:	ORD050156876
Mailing address:	4949 SE 25TH AVE PORTLAND, OR 97202
Contact:	PHIL CORIO
Contact address:	4949 SE 25TH AVE PORTLAND, OR 97202

COLOUR SCAN (Continued) **1004769964**

Contact country: US
Contact telephone: (503) 234-9200
Contact email: PCORIO@COLOURSCAN.COM
EPA Region: 10
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: COLOUR SCAN
Owner/operator address: 727 SE HAWTHORNE BLVD
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: (503) 234-9200
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/21/2002
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 04/10/2001
Site name: COLOUR SCAN
Classification: Not a generator, verified

Date form received by agency: 03/08/2000
Site name: COLOUR SCAN
Classification: Not a generator, verified

Date form received by agency: 02/10/1999
Site name: COLOUR SCAN
Classification: Not a generator, verified

Date form received by agency: 01/28/1998
Site name: COLOUR SCAN
Classification: Not a generator, verified

Date form received by agency: 02/18/1997
Site name: COLOUR SCAN
Classification: Not a generator, verified

COLOUR SCAN (Continued) **1004769964**

Date form received by agency: 02/13/1997
Site name: COLOUR SCAN
Classification: Not a generator, verified

Date form received by agency: 02/28/1996
Site name: COLOUR SCAN
Classification: Not a generator, verified

Date form received by agency: 04/27/1995
Site name: COLOUR SCAN
Classification: Not a generator, verified

Date form received by agency: 01/04/1994
Site name: COLOUR SCAN
Classification: Not a generator, verified

Date form received by agency: 10/26/1993
Site name: COLOUR SCAN
Classification: Not a generator, verified

Date form received by agency: 04/01/1992
Site name: COLOUR SCAN
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004783495

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1004769964
Registry ID:	110004783495
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported

COLOUR SCAN (Continued) **1004769964**

Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51224
Longitude:	-122.658437
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters:	50
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	170900120202
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011172
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N

COLOUR SCAN (Continued) **1004769964**

CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD050156876
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004783495
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported

COLOUR SCAN (Continued) **1004769964**

Facility Date Last Formal ACT EPA: Not reported
Facility Date Last Formal ACT ST: Not reported
Facility Date Last Inforamal ACT EPA: Not reported
Facility Date Last Informal ACT ST: Not reported
Facility Federal Agency: Not reported
TRI Reporter: Not reported
Facility IMP Water Flag: Not reported

R73 **SEVENTH AVENUE SERVICE** **EDR Hist Auto** **1009494687**
SW **732 SE HAWTHORNE BLVD** **N/A**
< 1/8 **PORTLAND, OR**
0.103 mi.
546 ft. **Site 1 of 13 in cluster R**

Relative:
Higher

Actual:
55 ft.

EDR Historical Auto Stations:
Name: SEVENTH AVENUE SERVICE
Year: 1940
Type: GASOLINE AND OIL SERVICE STATIONS

R74 **MURRAYMEAD GARAGE** **EDR Hist Auto** **1009494570**
SW **717 HAWTHORNE AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.106 mi.
558 ft. **Site 2 of 13 in cluster R**

Relative:
Higher

Actual:
55 ft.

EDR Historical Auto Stations:
Name: MURRAYMEAD GARAGE
Year: 1930
Type: AUTOMOBILE GARAGES

S75 **SPEEDWAY LUBRICATORS** **EDR Hist Auto** **1009485538**
SE **1131 SE CLAY** **N/A**
< 1/8 **PORTLAND, OR**
0.106 mi.
562 ft. **Site 1 of 9 in cluster S**

Relative:
Higher

Actual:
46 ft.

EDR Historical Auto Stations:
Name: SPEEDWAY LUBRICATORS
Year: 1935
Type: GASOLINE AND OIL SERVICE STATIONS

Name: SPEEDWAY LUBRICATORS
Year: 1940
Type: GASOLINE AND OIL SERVICE STATIONS

Name: SPEEDWAY LUBRICATORS
Year: 1950
Type: GASOLINE STATIONS

P76 **TWIN PINES SERVICE STATION** **EDR Hist Auto** **1009496371**
South **936 SE CLAY** **N/A**
< 1/8 **PORTLAND, OR**
0.107 mi.
567 ft. **Site 3 of 5 in cluster P**

Relative:
Higher

Actual:
47 ft.

EDR Historical Auto Stations:

Name:	TWIN PINES SERVICE STATION
Year:	1940
Type:	GASOLINE AND OIL SERVICE STATIONS

P77 **TWIN PINES GARAGE** **EDR Hist Auto** **1009496288**
South **924 SE CLAY** **N/A**
< 1/8 **PORTLAND, OR**
0.107 mi.
567 ft. **Site 4 of 5 in cluster P**

Relative:
Higher

Actual:
48 ft.

EDR Historical Auto Stations:

Name:	TWIN PINES GARAGE
Year:	1940
Type:	AUTOMOBILE REPAIRING
Name:	INDUSTRIAL MOTOR REPAIR
Year:	1950
Type:	AUTOMOBILE REPAIRING

R78 **EDR Hist Auto** **1015611591**
SW **711 SE HAWTHORNE BLVD** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.108 mi.
572 ft. **Site 3 of 13 in cluster R**

Relative:
Higher

Actual:
55 ft.

EDR Historical Auto Stations:

Name:	AFFORDABLE TIRE & BRAKE CO
Year:	2007
Address:	711 SE HAWTHORNE BLVD
Name:	AFFORDABLE TIRE & BRAKE CO
Year:	2008
Address:	711 SE HAWTHORNE BLVD
Name:	AFFORDABLE TIRE & BRAKE CO
Year:	2009
Address:	711 SE HAWTHORNE BLVD
Name:	AFFORDABLE TIRE & BRAKE CO
Year:	2010
Address:	711 SE HAWTHORNE BLVD

R79
SW
< 1/8
0.108 mi.
572 ft.

OREGON PARTS CO INC
711 SE HAWTHORNE BLVD
PORTLAND, OR 97214

Site 4 of 13 in cluster R

RCRA NonGen / NLR
FINDS
ECHO

1000874069
OR0000001024

Relative:
Higher

Actual:
55 ft.

RCRA NonGen / NLR:

Date form received by agency:	07/05/1995
Facility name:	OREGON PARTS CO INC
Facility address:	711 SE HAWTHORNE BLVD PORTLAND, OR 97214
EPA ID:	OR0000001024
Mailing address:	3553 NE 162ND AVE PORTLAND, OR 97230
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	OREGON PARTS CO INC
Owner/operator address:	3553 NE 162ND AVE PORTLAND, OR 97230
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	09/15/1993
Owner/Op end date:	Not reported

Owner/operator name:	US BANKRUPTCY COURT
Owner/operator address:	NO DATA ENTERED Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	09/15/1993
Owner/Op end date:	Not reported

Owner/operator name:	US BANKRUPTCY COURT
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	(503) 555-1212
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	OREGON PARTS CO INC
Owner/operator address:	3553 NE 162ND AVE PORTLAND, OR 97230
Owner/operator country:	Not reported

OREGON PARTS CO INC (Continued) **1000874069**

Owner/operator telephone: (503) 555-1212
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/15/1993
Site name: OREGON PARTS CO INC
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110004772363

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1000874069
Registry ID: 110004772363
FIPS Code: 41051
EPA Region: 10
Indian Country Flag: N

OREGON PARTS CO INC (Continued) **1000874069**

Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.512065
Longitude:	-122.658152
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	PLANT ENTRANCE (GENERAL)
Accuracy Meters:	150
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	170900120202
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011021008
Percent Minority:	18.173
Pop Den:	6914.32
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported

OREGON PARTS CO INC (Continued) **1000874069**

CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	OR0000001024
RCRA Permit Types:	Other
RCRA NAICS:	336399
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004772363
Facility SIC Codes:	Not reported
Facility NAICS Codes:	336399

OREGON PARTS CO INC (Continued) **1000874069**

Facility Date Last Inspection EPA: Not reported
Facility Date Last Inspection State: Not reported
Facility Date Last Formal ACT EPA: Not reported
Facility Date Last Formal ACT ST: Not reported
Facility Date Last Inforamal ACT EPA: Not reported
Facility Date Last Informal ACT ST: Not reported
Facility Federal Agency: Not reported
TRI Reporter: Not reported
Facility IMP Water Flag: Not reported

S80 **DURANT AND DE VAUX SERVICE** **EDR Hist Auto** **1009485449**
SSE **1114 SE CLAY** **N/A**
< 1/8 **PORTLAND, OR**
0.111 mi.
585 ft. **Site 2 of 9 in cluster S**

Relative:
Higher

Actual:
46 ft.

EDR Historical Auto Stations:

Name: DURANT AND DE VAUX SERVICE
Year: 1935
Type: AUTOMOBILE REPAIRING

Name: SHERWXVOOD JULIAN C
Year: 1940
Type: AUTOMOBILE REPAIRING

Name: JOES RADIATOR SHOP
Year: 1960
Type: AUTOMOBILE RADIATOR REPAIRERS

R81 **OECO CORP. - PORTLAND** **OR ECSI** **S103842609**
SW **712 SE HAWTHORNE BLVD.** **OR VCP** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.111 mi.
586 ft. **Site 5 of 13 in cluster R**

Relative:
Higher

Actual:
56 ft.

ECSI:

State ID Number: 1667
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: Suspect
FACA ID: 2886
Further Action: 0
Lat/Long (dms): 45 30 43.60 / -122 39 29.90
County Code: 26.00
Score Value: Not reported
Cerclis ID: 009024233
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 2
Qtr Section: Not reported
Tax Lots: Not reported
Size: 3 acres

OECO CORP. - PORTLAND (Continued) **S103842609**

NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 02/27/2009
Created Date: 03/28/1995
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: Suspect
Decode For Legislative: Not reported
Alias Name: Osborne Electric Corp.

Hazardous Release:
Substance ID.: 120781
Haz Release ID: 380472
Qty Released: unk.
Date Released: before 1984
Update Date: 05/30/1996
Update By: Not reported
Substance Code: 100-41-4
Substance Name: ETHYLBENZENE
Substance Abbrev.: Not reported
Substance Category ID: 8515
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8515
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316146
Sub Alias Name: ETHYLBENZOL
Substance Alias ID: 316147
Sub Alias Name: PHENYLETHANE
Comment ID: 303133
Release Code: Release Containment
Release Comments: UST
Decode for Relcomcd: Release Containment
Sampling Result ID: 342159
Feature Id: Not reported
Hazard Release Id: 380472
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 10/01/1990
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 0.4 ppm
Last Update By: gmw
Update Date: 05/30/1996
Decode for MediumID: Soil

OECO CORP. - PORTLAND (Continued) **S103842609**

Substance ID.: 120883
Haz Release ID: 380473
Qty Released: unk.
Date Released: before 1984
Update Date: 05/30/1996
Update By: Not reported
Substance Code: 108-88-3
Substance Name: TOLUENE
Substance Abbrev.: Not reported
Substance Category ID: 8520
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8520
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316466
Sub Alias Name: BENZENE,METHYL-
Substance Alias ID: 316467
Sub Alias Name: METHACIDE
Substance Alias ID: 316468
Sub Alias Name: METHYLBENZENE
Substance Alias ID: 316469
Sub Alias Name: METHYLBENZOL
Substance Alias ID: 316470
Sub Alias Name: PHENYLMETHANE
Substance Alias ID: 316471
Sub Alias Name: TOLUOL
Comment ID: 303134
Release Code: Release Containment
Release Comments: UST
Decode for Relcomcd: Release Containment
Sampling Result ID: 342160
Feature Id: Not reported
Hazard Release Id: 380473
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 10/01/1990
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 3.04 ppm
Last Update By: gmw
Update Date: 05/30/1996
Decode for MediumID: Soil

Substance ID.: 121011
Haz Release ID: 380474
Qty Released: unk.

OECO CORP. - PORTLAND (Continued) **S103842609**

Date Released: before 1984
Update Date: 05/30/1996
Update By: Not reported
Substance Code: 127-18-4
Substance Name: TETRACHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316912
Sub Alias Name: ETHENE,TETRACHLORO-
Substance Alias ID: 316913
Sub Alias Name: ETHYLENE TETRACHLORIDE
Substance Alias ID: 316914
Sub Alias Name: PERCHLOROETHYLENE
Substance Alias ID: 316915
Sub Alias Name: PERCLENE
Substance Alias ID: 316916
Sub Alias Name: TETRACHLOROETHENE
Substance Alias ID: 316917
Sub Alias Name: TETRACHLOROETHENE,1,1,2,2-
Substance Alias ID: 316918
Sub Alias Name: TETRACHLOROETHYLENE,1,1,2,2-
Comment ID: 303135
Release Code: Release Containment
Release Comments: UST
Decode for Relcomcd: Release Containment
Sampling Result ID: 342161
Feature Id: Not reported
Hazard Release Id: 380474
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 10/01/1990
End Date: Not reported
Min Concentration: Not reported

OECO CORP. - PORTLAND (Continued) **S103842609**

Max Concentration: Not reported
Sample Comment: 0.15 ppm
Last Update By: gmw
Update Date: 05/30/1996
Decode for MediumID: Soil

Substance ID.: 121610
Haz Release ID: 380475
Qty Released: unk.
Date Released: before 1984
Update Date: 05/30/1996
Update By: Not reported
Substance Code: 71-55-6
Substance Name: TRICHLOROETHANE,1,1,1-
Substance Abbrev.: Not reported
Substance Category ID: 8521
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8552
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8521
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8552
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318151
Sub Alias Name: TCA,1,1,1-
Substance Alias ID: 319183
Sub Alias Name: BALTANA
Substance Alias ID: 319184
Sub Alias Name: CHLOROTHENE
Substance Alias ID: 319185
Sub Alias Name: METHYLCHLOROFORM
Comment ID: 303138
Release Code: Release Containment
Release Comments: UST
Decode for Relcomcd: Release Containment
Sampling Result ID: 342162
Feature Id: Not reported
Hazard Release Id: 380475
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported

OECO CORP. - PORTLAND (Continued) **S103842609**

Start Date: 10/01/1990
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 0.21 ppm
Last Update By: gmw
Update Date: 05/30/1996
Decode for MediumID: Soil

Substance ID.: 121051
Haz Release ID: 380476
Qty Released: unk.
Date Released: before 1984
Update Date: 05/30/1996
Update By: Not reported
Substance Code: 1330-20-7
Substance Name: XYLENEs
Substance Abbrev.: Not reported
Substance Category ID: 8526
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8526
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317017
Sub Alias Name: DIMETHYLBENZENEs
Substance Alias ID: 317018
Sub Alias Name: XYLOLs
Comment ID: 303136
Release Code: Release Containment
Release Comments: UST
Decode for Relcomcd: Release Containment
Sampling Result ID: 342163
Feature Id: Not reported
Hazard Release Id: 380476
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 10/01/1990
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 2.4 ppm
Last Update By: gmw
Update Date: 05/30/1996
Decode for MediumID: Soil

Narrative:
NARR ID: 5734835
NARR Code: Contamination

OECO CORP. - PORTLAND (Continued) **S103842609**

Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Contamination
NARR Comments: Osborne Electric Corporation began operating at the site in 1954, and changed its name to OECO Corp. 12/61. In 1986, OECO moved to a site in Milwaukie, which has a separate ECSI file (#1119). OECO uses solvents to clean and degrease electrical parts. A copy of a 1991 e-mail found in OECO's Milwaukie site file suggested that solvent releases from a UST had occurred at this Portland site. Site Assessment obtained the 1990 UST removal report from OECO 5/96; it documented low levels of VOCs in soil beneath the decommissioned 1,000-gallon waste solvent tank (which had not been used since 1983). The tank and associated piping were in poor condition, suggesting leakage while the tank was in operation. After the hole was backfilled in 1990, a soil boring was installed to 3 feet below the fill end of the UST, reportedly encountering no VOC contamination. In 10/91, DEQ's RCRA program wrote a letter to OECO's attorney indicating that DEQ considered the tank to have been a hazardous waste generator accumulation unit, rather than a RCRA-regulated storage unit subject to permit. This letter also indicated DEQ's opinion that the tank had been closed adequately, according to RCRA regulations.

NARR ID: 5734836
NARR Code: Data Sources
Created By: Not reported
Created Date: 12/17/2002
Updated By: KDANA
Updated Date: 09/24/2014
Decode for NarcdID: Data Sources
NARR Comments: EPA Preliminary Assessment forms; 1990 UST removal report completed by SRH Group; correspondence, notes, and memos created by OECO and DEQ (contained in ECSI file #1667).LUST file #26-90-0376 and UST Facility ID #10622

NARR ID: 5734837
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Chlorinated and petroleum-based solvents; possibly metals. OECO generated approximately 7,000 gal. of waste solvent in calendar 1985, its last year at this location.

NARR ID: 5734838
NARR Code: Site Location
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Site Location
NARR Comments: OECO's occupancy also included 732 SE Hawthorne Blvd., 1530 SE 7th Ave., and possibly other nearby/adjacent buildings.

OECO CORP. - PORTLAND (Continued) **S103842609**

NARR ID: 5734839
NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release
NARR Comments: Possible release of waste solvents from an underground storage tank. Time of release: unknown.

NARR ID: 5734840
NARR Code: Pathways Other Hazards
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: The site is located in Portland's Central Eastside Industrial District, where there are not likely to be any drinking water wells in use. Groundwater is expected to occur at a depth of between 15 and 25 feet at the site.

NARR ID: 5734841
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Remedial Action
NARR Comments: (7/5/96 GMW) Some documentation is missing from the site's DEQ files, and OECO could provide only a portion of relevant site documents following a 4/96 request for information. It appears that no further soil removal or other site investigation occurred after 11/90. Although a soil boring beneath the part of the UST that was contaminated came up non-detect for solvents, further investigation is needed to confirm that no soil contamination remains at the site. Groundwater in the vicinity of the former tank should also be sampled. Site Assessment believes these actions are necessary, because: 1) the age and condition of the UST at removal suggest that significant quantities of solvent were released; and 2) the water table is expected to be relatively shallow in this area, so that any releases, especially of chlorinated solvent, would likely have migrated to groundwater. Further state action at the site is a low-to-medium priority.

NARR ID: 5751229
NARR Code: 1922
Created By: GWISTAR
Created Date: 02/27/2009
Updated By: GWISTAR
Updated Date: 02/27/2009
Decode for NarcdID: Current Site Summary Statement
NARR Comments: [July 1996] Further investigation is needed to determine if soil contamination remains at the site. Groundwater in the vicinity of the former tank should also be sampled.

Administrative Action:
Action ID: 9519

OECO CORP. - PORTLAND (Continued) **S103842609**

Region: Northwestern Region
Complete Date: 03/18/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/22/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Not reported

Action ID: 9426
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/18/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Further Action: 0
Comments: Not reported

Action ID: 9425
Region: Northwestern Region
Complete Date: 07/05/1996
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: State screening.

Action ID: 9437
Region: Northwestern Region
Complete Date: 07/05/1996
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: Not reported
Comments: Not reported

Action ID: 9449
Region: Northwestern Region

OECO CORP. - PORTLAND (Continued) **S103842609**

Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Insufficient information to list
Further Action: Not reported
Comments: Not reported

Action ID: 9505
Region: Northwestern Region
Complete Date: 07/05/1996
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Confirmatory Sampling recommended
Further Action: Not reported
Comments: Sample soil/groundwater beneath former UST.

Action ID: 9421
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: Site added to CERCLIS
Further Action: Not reported
Comments: Not reported

Action ID: 9424
Region: Headquarters
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9457
Region: Not reported
Complete Date: 06/28/1984

OECO CORP. - PORTLAND (Continued) **S103842609**

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: EPA Basic Preliminary Assessment
Further Action: Not reported
Comments: Not reported

Action ID: 9444
Region: Not reported
Complete Date: 06/28/1984
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: No Further Remedial Action Planned under Federal program
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Headquarters
Complete Date: 03/29/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: Not reported
Comments: Not reported

Operations:
Operation Id: 132999
Operation Status: Inactive
Common Name: OECO Corp.
Yrs of Operation: 1954-1986
Comments: Manufactured transformers, electronic equipment, and power supplies for missles and aircraft.
Updated Date: 06/20/2001
Updated By: jmw
Decode for OpstatID: Inactive
Operations SIC Id: 195909
SIC Code: 3612
Created By: Not reported
Created Date: 12/17/2002

VCS:
ECS Site ID: 1667
Facility Size: 3 acres

OECO CORP. - PORTLAND (Continued) **S103842609**

Action:	SITE PRIORITY EVALUATION FOR FURTHER ACTION
Start Date:	03/18/2015
End Date:	Not reported
Facility Status:	Active
Program:	VCP
Latitude:	45.51209
Longitude:	-122.6583

R82 **OECO CORP** **CERCLIS-NFRAP** **1015735958**
SW **712 SE HAWTHORNE BLD** **RCRA NonGen / NLR** **ORD009024233**
< 1/8 **PORTLAND, OR 97214**
0.111 mi.
586 ft. **Site 6 of 13 in cluster R**

Relative:
Higher

Actual:
56 ft.

CERCLIS-NFRAP:

Site ID:	1000342
Federal Facility:	Not a Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assessment History:

Action:	DISCOVERY
Date Started:	/ /
Date Completed:	03/01/80
Priority Level:	Not reported
Action:	ARCHIVE SITE
Date Started:	/ /
Date Completed:	06/28/84
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	11/01/83
Date Completed:	06/28/84
Priority Level:	NFRAP-Site does not qualify for the NPL based on existing information

RCRA NonGen / NLR:

Date form received by agency:	06/10/1986
Facility name:	OECO
Facility address:	712 SE HAWTHORNE BLVD. PORTLAND, OR 97214
EPA ID:	ORD009024233
Mailing address:	4607 SE INTERNATIONAL WAY MILWAUKIE, OR 97222
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	JIM UNDERWOOD

OECO CORP (Continued) **1015735958**

Owner/operator address: 4607 SE INTERNATIONAL WAY
MILWAUKIE, OR 97222
Owner/operator country: Not reported
Owner/operator telephone: (503) 659-5999
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 06/10/1986
Site name: OECO
Classification: Not a generator, verified

Violation Status: No violations found

P83 **EDR Hist Auto** **1015255506**
South **1614 SE 10TH AVE** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.111 mi.
588 ft. **Site 5 of 5 in cluster P**

Relative:
Higher

Actual:
46 ft.

EDR Historical Auto Stations:
Name: ADVANCED AUTO BROKERAGE
Year: 2009
Address: 1614 SE 10TH AVE

Q84 **GYRO NIZING SERVICE CO** **EDR Hist Auto** **1009485555**
NW **1134 SE 7TH AVE** **N/A**
< 1/8 **PORTLAND, OR**
0.114 mi.
600 ft. **Site 2 of 4 in cluster Q**

Relative:
Higher

Actual:
50 ft.

EDR Historical Auto Stations:
Name: GYRO NIZING SERVICE CO
Year: 1950
Type: AUTOMOBILE REPAIRING

R85
SW
< 1/8
0.116 mi.
611 ft.

HEATING OIL TANK
700 SE HAWTHORNE BLVD
PORTLAND, OR 97214

Site 7 of 13 in cluster R

OR LUST **S112059307**
N/A

Relative:
Higher

Actual:
56 ft.

LUST:

Region:	North Western Region
Facility ID:	26-12-0590
Cleanup Received Date:	06/04/2012
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**09/21/2012**
Decode for Region:	**North West Region**

R86
SW
< 1/8
0.116 mi.
611 ft.

CARNEAU BROS
700 SE HAWTHORNE BLVD
PORTLAND, OR

Site 8 of 13 in cluster R

EDR Hist Auto **1009494403**
N/A

Relative:
Higher

Actual:
56 ft.

EDR Historical Auto Stations:

Name:	CARNEAU BROS
Year:	1940
Type:	AUTOMOBILE REPAIRING

O87
West
< 1/8
0.117 mi.
616 ft.

BROADWAY ELECTRIC INC
626 SE MAIN
PORTLAND, OR 97214

Site 2 of 2 in cluster O

OR LUST **U000432666**
OR UST **N/A**

Relative:
Higher

Actual:
54 ft.

LUST:

Region:	North Western Region
Facility ID:	26-11-0036
Cleanup Received Date:	01/13/2011
Cleanup Start Date:	01/19/2011
Cleanup Complete Date:	**04/25/2012**
Decode for Region:	**North West Region**

UST:

Facility ID:	2119
Facility Telephone:	(503)234-8560
Permittee Name:	BRUCE L REMARD
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	2
Number of Tanks:	2

R88
SW
< 1/8
0.119 mi.
630 ft.

HAWTHORNE SERVICE STATION
696 HAWTHORNE AVE
PORTLAND, OR

Site 9 of 13 in cluster R

Database(s): EDR Hist Auto
EDR ID Number: 1009494381
EPA ID Number: N/A

Relative:
Higher

Actual:
56 ft.

EDR Historical Auto Stations:

Name:	HAWTHORNE SERVICE STATION
Year:	1930
Type:	GASOLINE AND OIL SERVICE STATIONS

T89
East
< 1/8
0.120 mi.
631 ft.

HEATING OIL TANK
1315 SE 13TH AVE UNIT 2
PORTLAND, OR 97214

Site 1 of 4 in cluster T

Database(s): OR LUST
EDR ID Number: S107845088
EPA ID Number: N/A

Relative:
Higher

Actual:
55 ft.

LUST:

Region:	North Western Region
Facility ID:	26-06-0360
Cleanup Received Date:	03/02/2006
Cleanup Start Date:	03/02/2006
Cleanup Complete Date:	**03/28/2007**
Decode for Region:	**North West Region**

U90
SSW
< 1/8
0.120 mi.
636 ft.

TRASHCO
1630 SE 8TH AVE
PORTLAND, OR 97214

Site 1 of 3 in cluster U

Database(s): RCRA NonGen / NLR
EDR ID Number: 1015748876
EPA ID Number: ORSTATE06925

Relative:
Higher

Actual:
52 ft.

RCRA NonGen / NLR:

Date form received by agency:	05/14/2003
Facility name:	TRASHCO
Facility address:	1630 SE 8TH AVE PORTLAND, OR 97214-3505
EPA ID:	ORSTATE06925
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	10
Land type:	Other land type
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No

TRASHCO (Continued) **1015748876**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Transporters - Manifest and Recordkeeping
Date violation determined: 04/25/2007
Date achieved compliance: 06/05/2007
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 05/08/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Transporters - General
Date violation determined: 04/25/2007
Date achieved compliance: 06/05/2007
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 05/08/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/25/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - General
Date achieved compliance: 06/05/2007
Evaluation lead agency: State

Evaluation date: 04/25/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Transporters - Manifest and Recordkeeping
Date achieved compliance: 06/05/2007
Evaluation lead agency: State

S91 **ROYAL INTERNATIONAL CORP** **RCRA NonGen / NLR** **1015748409**
SSE **1632 SE 11TH AVE** **FINDS** **ORSTATE05048**
< 1/8 **PORTLAND, OR 97214** **ECHO**
0.122 mi.
644 ft. **Site 3 of 9 in cluster S**

Relative:
Higher

Actual:
46 ft.

RCRA NonGen / NLR:

Date form received by agency:	12/22/1998
Facility name:	SIERRA CONSTRUCTION
Facility address:	1632 SE 11TH AVE
	PORTLAND, OR 97214-4702
EPA ID:	ORSTATE05048
Contact:	Not reported
Contact address:	Not reported
	Not reported
Contact country:	Not reported
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	10
Land type:	Other land type
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date:	08/12/2004
Evaluation:	COMPLIANCE ASSISTANCE VISIT
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State

FINDS:

Registry ID: 110004784895

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

ROYAL INTERNATIONAL CORP (Continued) **1015748409**

corrective action activities required under RCRA.

ECHO:

Envid:	1015748409
Registry ID:	110004784895
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.511
Longitude:	-122.65438
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011021022
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported

ROYAL INTERNATIONAL CORP (Continued) **1015748409**

CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD061491551
RCRA Permit Types:	Other
RCRA NAICS:	336399
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported

ROYAL INTERNATIONAL CORP (Continued) **1015748409**

FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004784895
Facility SIC Codes:	Not reported
Facility NAICS Codes:	336399
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

S92 **HEATING OIL TANK** **OR LUST** **S102304307**
SSE **1632 SE 11TH** **N/A**
< 1/8 **PORTLAND, OR 97023**
0.122 mi.
644 ft. **Site 4 of 9 in cluster S**

Relative:
Higher

Actual:
46 ft.

LUST:

Region:	North Western Region
Facility ID:	26-91-0424
Cleanup Received Date:	10/18/1991
Cleanup Start Date:	10/18/1991
Cleanup Complete Date:	**11/26/2004**
Decode for Region:	**North West Region**

S93 **ROYAL INTERNATIONAL CORP** **RCRA NonGen / NLR** **1000147911**
SSE **1632 SE 11TH AVE** **ORD061491551**
< 1/8 **PORTLAND, OR 97214**
0.122 mi.
644 ft. **Site 5 of 9 in cluster S**

Relative:
Higher

Actual:
46 ft.

RCRA NonGen / NLR:

Date form received by agency:	11/29/1989
Facility name:	ROYAL INTERNATIONAL CORP
Facility address:	1632 SE 11TH AVE
	PORTLAND, OR 97214
EPA ID:	ORD061491551
Mailing address:	PO BOX 1328
	PORTLAND, OR 972071328
Contact:	Not reported
Contact address:	Not reported
	Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

ROYAL INTERNATIONAL CORP (Continued) **1000147911**

Owner/Operator Summary:
- Owner/operator name: JOHN SCHROEDER
- Owner/operator address: PO BOX 1328 PORTLAND, OR 97207
- Owner/operator country: Not reported
- Owner/operator telephone: (503) 555-1212
- Legal status: Other
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 11/29/1989
- Site name: ROYAL INTERNATIONAL CORP
- Classification: Not a generator, verified

Violation Status: No violations found

R94 **OECO CORP - FORMER SITE** **OR UST** **U000432719**
SW **1530 SE 7TH ST** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.122 mi.
646 ft. **Site 10 of 13 in cluster R**

Relative:
Higher

Actual:
57 ft.

UST:
- Facility ID: 10622
- Facility Telephone: (503) 659-5999
- Permittee Name: JIM UNDERWOOD, SAFETY OFFICER
- Number of Permitted Tanks: Not reported
- Active Tanks: Not reported
- Decommissioned Tanks: 1
- Number of Tanks: 1

R95
SW
< 1/8
0.123 mi.
648 ft.

GELHAR S BODY SHOP
1517 SE 7TH AVE
PORTLAND, OR

Site 11 of 13 in cluster R

EDR Hist Auto **1009487471**
N/A

Relative:
Higher

Actual:
57 ft.

EDR Historical Auto Stations:

Name:	GELHAR S BODY SHOP
Year:	1940
Type:	AUTOMOBILE REPAIRING

V96
SE
< 1/8
0.123 mi.
650 ft.

LADD'S GAS & FOOD
1525 SE LADD AVE
PORTLAND, OR 97214

Site 1 of 7 in cluster V

OR LUST **U000432671**
OR UST **N/A**

Relative:
Higher

Actual:
47 ft.

LUST:

Region:	North Western Region
Facility ID:	26-92-0288
Cleanup Received Date:	10/06/1992
Cleanup Start Date:	09/06/1992
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

UST:

Facility ID:	8083
Facility Telephone:	(503) 233-4249
Permittee Name:	Issac Dweik
Number of Permitted Tanks:	4
Active Tanks:	4
Decommissioned Tanks:	5
Number of Tanks:	9

V97
SE
< 1/8
0.123 mi.
650 ft.

SPEEDWAY LUBRICATORS
1525 SE LADD AVE
PORTLAND, OR

Site 2 of 7 in cluster V

EDR Hist Auto **1009487512**
N/A

Relative:
Higher

Actual:
47 ft.

EDR Historical Auto Stations:

Name:	CAPUTO JAS
Year:	1950
Type:	GASOLINE STATIONS
Name:	SPEEDWAY LUBRICATORS
Year:	1955
Type:	GASOLINE STATIONS
Name:	SPEEDWAY LUBRICATORS
Year:	1960
Type:	GASOLINE STATIONS
Name:	SPEEOWAY LUBRICATORS
Year:	1965
Type:	GASOLINE STATIONS
Name:	SPEEDWAY LUBRICATORS

SPEEDWAY LUBRICATORS (Continued) **1009487512**

Year: 1970
Type: GASOLINE STATIONS

Name: CAPUTO SHELL SERVICE
Year: 1970
Type: GASOLINE STATIONS

Name: CAPUTO SHELL SERVICE
Year: 1975
Type: GASOLINE STATIONS

Name: SPEEDWAY LUBRICATORS
Year: 1975
Type: GASOLINE STATIONS

Name: CAPUTO SHELL SERVICE
Year: 1981
Type: GASOLINE STATIONS

Name: SPEEDWAY LUBRICATORS
Year: 1981
Type: GASOLINE STATIONS

Name: SPEEDWAY LUBRICATORS
Year: 1985
Type: GASOLINE STATIONS

Name: CAPUTO SHELL SERVICE
Year: 1985
Type: GASOLINE STATIONS

Name: LADD GAS & FOOD
Year: 2003
Address: 1525 SE LADD AVE

R98 **EDR Hist Auto** **1009487488**
SW **1521 SE 7TH AVE** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.124 mi.
653 ft. **Site 12 of 13 in cluster R**

Relative:
Higher

Actual:
57 ft.

EDR Historical Auto Stations:
Name: AUTOMATIC TRANSMISSION SPECIALTIES
Year: 1985
Type: AUTOMOBILE REPAIRING

Name: AUTOMATIC TRANSMISSION SVC
Year: 2010
Address: 1521 SE 7TH AVE

W99
NW
< 1/8
0.124 mi.
654 ft.

REJUVENATION INC
1100 SE GRAND AVE
PORTLAND, OR 97214

Site 1 of 2 in cluster W

RCRA-CESQG
FINDS
OR MANIFEST
ECHO

1000796232
ORD987201381

Relative:
Higher

Actual:
48 ft.

RCRA-CESQG:

Date form received by agency:	12/31/2009
Facility name:	REJUVENATION INC
Facility address:	1100 SE GRAND AVE PORTLAND, OR 97214
EPA ID:	ORD987201381
Mailing address:	2550 NW NICOLAI STREET PORTLAND, OR 97210-1815
Contact:	DAVID MISEL
Contact address:	2550 NW NICOLAI ST. PORTLAND, OR 97210
Contact country:	US
Contact telephone:	503-944-1709
Contact email:	Not reported
EPA Region:	10
Land type:	Private
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	REJUVENATION INC
Owner/operator address:	1100 SE GRAND AVE PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	(503) 231-1900
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/2009
Owner/Op end date:	Not reported

Owner/operator name:	REJUVENATION INC
Owner/operator address:	2550 NW NICOLAI PORTLAND, OR 97210
Owner/operator country:	US
Owner/operator telephone:	(503) 231-1900
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	05/05/1993
Owner/Op end date:	Not reported

REJUVENATION INC (Continued) **1000796232**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 12/31/2008
Site name: REJUVENATION INC
Classification: Large Quantity Generator

Date form received by agency: 12/31/2004
Site name: REJUVENATION INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/31/2003
Site name: REJUVENATION INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/27/2003
Site name: REJUVENATION INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/06/2002
Site name: REJUVENATION INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/02/2001
Site name: REJUVENATION INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/14/2000
Site name: REJUVENATION INC
Classification: Small Quantity Generator

Date form received by agency: 03/19/1999
Site name: REJUVENATION INC
Classification: Small Quantity Generator

Date form received by agency: 02/05/1998
Site name: REJUVENATION INC
Classification: Small Quantity Generator

REJUVENATION INC (Continued) **1000796232**

Date form received by agency: 01/11/1997
Site name: REJUVENATION INC
Classification: Small Quantity Generator

Date form received by agency: 02/27/1996
Site name: REJUVENATION INC
Classification: Small Quantity Generator

Date form received by agency: 01/06/1995
Site name: REJUVENATION INC
Classification: Small Quantity Generator

Date form received by agency: 05/05/1994
Site name: REJUVENATION INC
Classification: Small Quantity Generator

Date form received by agency: 05/06/1993
Site name: REJUVENATION INC
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D010
. Waste name: SELENIUM

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

REJUVENATION INC (Continued) **1000796232**

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	TSD - Container Use and Management
Date violation determined:	08/27/1998
Date achieved compliance:	09/30/1998
Violation lead agency:	State
Enforcement action:	NOTICE OF NONCOMPLIANCE
Enforcement action date:	09/15/1998
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	LDR - General
Date violation determined:	08/27/1998
Date achieved compliance:	09/30/1998
Violation lead agency:	State
Enforcement action:	NOTICE OF NONCOMPLIANCE
Enforcement action date:	09/15/1998
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	08/27/1998
Date achieved compliance:	09/30/1998
Violation lead agency:	State
Enforcement action:	NOTICE OF NONCOMPLIANCE
Enforcement action date:	09/15/1998
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	Generators - Manifest
Date violation determined:	08/27/1998
Date achieved compliance:	09/30/1998
Violation lead agency:	State
Enforcement action:	NOTICE OF NONCOMPLIANCE
Enforcement action date:	09/15/1998
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

REJUVENATION INC (Continued) **1000796232**

Evaluation Action Summary:

Evaluation date:	08/10/2010
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State

Evaluation date:	08/27/1998
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	09/30/1998
Evaluation lead agency:	State

Evaluation date:	08/27/1998
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	LDR - General
Date achieved compliance:	09/30/1998
Evaluation lead agency:	State

Evaluation date:	08/27/1998
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Manifest
Date achieved compliance:	09/30/1998
Evaluation lead agency:	State

Evaluation date:	08/27/1998
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	TSD - Container Use and Management
Date achieved compliance:	09/30/1998
Evaluation lead agency:	State

FINDS:

Registry ID: 110004807665

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

OR MANIFEST:

Manifest Year:	Manifest Year - 2008
EPA Id:	ORD987201381
Inactive Status:	Not reported
Organization Name:	Not reported
Contact Name:	David Misel

REJUVENATION INC (Continued) **1000796232**

Contact Telephone Number: Not reported
Mailing Address: 2550 NW Nicolai St.
Mailing City/State/Zip: Portland, OR 97210

Manifest:
Year : 2008
RCRA Id : ORD987201381
Inactive : Not reported
Status: Large quantity generator
Manifest : 001388758
Ship Date : 05/14/2008
TSD : UTD981552177
WS Num: 2
Transporter: ORQ000023150
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H040
EPA Waste Codes: D002 D003
Waste Description: Cleanup of Restoration workspaces
Total Amt Of Waste Stream Generated in Reporting Yr 1: 15.8725
Total Amt Of Waste Stream Generated in Reporting Yr 2: 15.8725

Year : 2008
RCRA Id : ORD987201381
Inactive : Not reported
Status: Large quantity generator
Manifest : 001388712
Ship Date : 03/12/2008
TSD : UTD981552177
WS Num: 4
Transporter: ORQ000023150
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H040
EPA Waste Codes: D002 D010
Waste Description: Cleanup of Restoration workspaces
Total Amt Of Waste Stream Generated in Reporting Yr 1: 208.15649999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 208.15649999999999

Year : 2008
RCRA Id : ORD987201381
Inactive : Not reported
Status: Large quantity generator
Manifest : 001388682
Ship Date : 02/08/2008
TSD : UTD981552177
WS Num: 5
Transporter: ORQ000023150
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H121
EPA Waste Codes: D006 D008 D010
Waste Description: paint removing hot tanks liquid and sludge
Total Amt Of Waste Stream Generated in Reporting Yr 1: 313.36849999999998
Total Amt Of Waste Stream Generated in Reporting Yr 2: 313.36849999999998

Year : 2008

REJUVENATION INC (Continued) **1000796232**

RCRA Id :	ORD987201381
Inactive :	Not reported
Status:	Large quantity generator
Manifest :	001388802
Ship Date :	05/23/2008
TSD :	ORD089452353
WS Num:	1
Transporter:	ORQ000023150
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H112
EPA Waste Codes:	D008
Waste Description:	Cleanup of Restoration workspaces

Total Amt Of Waste Stream Generated in Reporting Yr 1: 1052.1199999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 1052.1199999999999

Year :	2008
RCRA Id :	ORD987201381
Inactive :	Not reported
Status:	Large quantity generator
Manifest :	001388712
Ship Date :	03/12/2008
TSD :	UTD981552177
WS Num:	3
Transporter:	ORQ000023150
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H121
EPA Waste Codes:	D006 D008 D010
Waste Description:	Cleanup of Restoration workspaces

Total Amt Of Waste Stream Generated in Reporting Yr 1: 366.88150000000002
Total Amt Of Waste Stream Generated in Reporting Yr 2: 366.88150000000002

ECHO:

Envid:	1000796232
Registry ID:	110004807665
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51477
Longitude:	-122.66017
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214

REJUVENATION INC (Continued) **1000796232**

Derived CD113:	03
Derived CB2010:	410510011011108
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Y
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	08/10/2010
Days Last Inspection:	1867
Informal Count:	0
Date Last Informal Action:	09/15/1998
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported

REJUVENATION INC (Continued) **1000796232**

CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD987201381
RCRA Permit Types:	CESQG
RCRA NAICS:	442299
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	1867
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004807665
Facility SIC Codes:	Not reported
Facility NAICS Codes:	442299
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	08/10/2010
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	09/15/1998
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

V100 **SWEET HOME DIVISION** **OR LUST** **U000434955**
SE **1524 SE LADD AVE** **OR UST** **N/A**
< 1/8 **PORTLAND, OR 97214**
0.125 mi.
658 ft. **Site 3 of 7 in cluster V**

Relative:
Higher

Actual:
47 ft.

LUST:

Region:	North Western Region
Facility ID:	26-06-1577
Cleanup Received Date:	08/29/2006
Cleanup Start Date:	08/30/2006
Cleanup Complete Date:	**12/05/2006**
Decode for Region:	**North West Region**

UST:

Facility ID:	6305
Facility Telephone:	(503) 926-7771
Permittee Name:	RICHARD L. BARRETT, ENGINEER
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	1
Number of Tanks:	1

S101 **MOMAN G FENTON** **EDR Hist Auto** **1009485892**
SE **1205 SE CLAY** **N/A**
1/8-1/4 **PORTLAND, OR**
0.125 mi.
661 ft. **Site 6 of 9 in cluster S**

Relative:
Higher

Actual:
47 ft.

EDR Historical Auto Stations:

Name:	MOMAN G FENTON
Year:	1940
Type:	GASOLINE AND OIL SERVICE STATIONS

N102 **M B I MOTORS** **RCRA-CESQG** **1004769961**
ESE **1309 SE HAWTHORNE** **FINDS** **ORD049794613**
1/8-1/4 **PORTLAND, OR 97214** **OR MANIFEST**
0.125 mi. **ECHO**
661 ft. **Site 12 of 14 in cluster N**

Relative:
Higher

Actual:
49 ft.

RCRA-CESQG:

Date form received by agency:	12/31/2009
Facility name:	M B I MOTORS
Facility address:	1309 SE HAWTHORNE PORTLAND, OR 97214
EPA ID:	ORD049794613
Contact:	CORBIN LANCASTER DEBR
Contact address:	1309 SE HAWTHORNE PORTLAND, OR 97214
Contact country:	US
Contact telephone:	(503) 231-0444
Contact email:	Not reported
EPA Region:	10
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

M B I MOTORS (Continued) **1004769961**

waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	MBI MOTORS INC
Owner/operator address:	1309 SE HAWTHORNE PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	(503) 231-0444
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/2009
Owner/Op end date:	Not reported

Owner/operator name:	MBI MOTORS
Owner/operator address:	1309 SE HAWTHORNE PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	503 231-0444
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	10/22/1986
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	NA
. Waste name:	NA

Historical Generators:

Date form received by agency:	12/31/2004
Site name:	M B I MOTORS
Classification:	Conditionally Exempt Small Quantity Generator

M B I MOTORS (Continued) **1004769961**

Date form received by agency: 12/31/2003
Site name: M B I MOTORS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/02/2003
Site name: M B I MOTORS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/15/2002
Site name: M B I MOTORS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/11/2001
Site name: M B I MOTORS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/25/2000
Site name: M B I MOTORS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/28/1999
Site name: M B I MOTORS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/08/1998
Site name: M B I MOTORS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/23/1997
Site name: M B I MOTORS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/30/1996
Site name: M B I MOTORS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/14/1995
Site name: M B I MOTORS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/31/1993
Site name: M B I MOTORS
Classification: Not a generator, verified

Date form received by agency: 12/30/1992
Site name: M B I MOTORS
Classification: Not a generator, verified

Date form received by agency: 04/01/1992
Site name: M B I MOTORS
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

M B I MOTORS (Continued) **1004769961**

FINDS:

Registry ID: 110004783360

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

OR MANIFEST:

Manifest Year:	Manifest Year - 2004
EPA Id:	ORD049794613
Inactive Status:	Not reported
Organization Name:	Not reported
Contact Name:	Sig Raethke
Contact Telephone Number:	(503) 231-0444
Mailing Address:	1309 SE Hawthorne
Mailing City/State/Zip:	Portland, OR 97214

ECHO:

Envid:	1004769961
Registry ID:	110004783360
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.5122
Longitude:	-122.652592
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters:	50
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	170900120202
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011021001
Percent Minority:	Not reported
Pop Den:	Not reported

M B I MOTORS (Continued) **1004769961**

Major Flag:	Not reported
Active Flag:	Y
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N

M B I MOTORS (Continued) **1004769961**

CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD049794613
RCRA Permit Types:	CESQG
RCRA NAICS:	811198
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004783360
Facility SIC Codes:	Not reported
Facility NAICS Codes:	811198
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

N103 **M B MOTORS INC** **EDR Hist Auto** **1009486440**
ESE **1309 SE HAWTHORNE BLVD** **N/A**
1/8-1/4 **PORTLAND, OR**
0.125 mi.
661 ft. **Site 13 of 14 in cluster N**

Relative:
Higher

Actual:
49 ft.

EDR Historical Auto Stations:

Name:	M B MOTORS CO
Year:	1975
Type:	AUTOMOBILE REPAIRING
Name:	M B MOTORS INC
Year:	1981
Type:	AUTOMOBILE REPAIRING
Name:	M B MOTORS INC
Year:	1985
Type:	AUTOMOBILE REPAIRING
Name:	MBI MOTORS INCORPORATED SERVICE & PARTS
Year:	1999
Address:	1309 SE HAWTHORNE BLVD
Name:	MBI MOTORS INC
Year:	2003
Address:	1309 SE HAWTHORNE BLVD
Name:	MBI MOTORS INC
Year:	2004
Address:	1309 SE HAWTHORNE BLVD
Name:	MBI MOTORS INC
Year:	2006
Address:	1309 SE HAWTHORNE BLVD
Name:	MBI MOTORS INC
Year:	2009
Address:	1309 SE HAWTHORNE BLVD
Name:	MBI MOTORS INC
Year:	2011
Address:	1309 SE HAWTHORNE BLVD
Name:	MBI MOTORS
Year:	2012
Address:	1309 SE HAWTHORNE BLVD

N104 **HEATING OIL TANK** **OR LUST** **1000124714**
ESE **1309 SE HAWTHORNE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.125 mi.
661 ft. **Site 14 of 14 in cluster N**

Relative:
Higher

Actual:
49 ft.

LUST:

Region:	North Western Region
Facility ID:	26-92-0157
Cleanup Received Date:	06/16/1992
Cleanup Start Date:	08/18/1992
Cleanup Complete Date:	**07/12/1993**
Decode for Region:	**North West Region**

T105 **HEATING OIL TANK** **OR LUST** **S105856908**
ESE **1304 SE MADISON STREET** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.127 mi.
668 ft. **Site 2 of 4 in cluster T**

Relative:
Higher

Actual:
52 ft.

LUST:
Region: North Western Region
Facility ID: 26-03-1141
Cleanup Received Date: 06/12/2003
Cleanup Start Date: 06/17/2003
Cleanup Complete Date: 07/10/2003
Decode for Region: North West Region

T106 **HEATING OIL TANK** **OR LUST** **S107845084**
East **1304 SE MAIN ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.127 mi.
669 ft. **Site 3 of 4 in cluster T**

Relative:
Higher

Actual:
56 ft.

LUST:
Region: North Western Region
Facility ID: 26-06-0081
Cleanup Received Date: 01/11/2006
Cleanup Start Date: 01/13/2006
Cleanup Complete Date: 04/04/2006
Decode for Region: North West Region

T107 **HEATING OIL TANK** **OR LUST** **S107844912**
East **1306 SE MAIN ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.128 mi.
674 ft. **Site 4 of 4 in cluster T**

Relative:
Higher

Actual:
56 ft.

LUST:
Region: North Western Region
Facility ID: 26-06-0137
Cleanup Received Date: 01/23/2006
Cleanup Start Date: 01/26/2006
Cleanup Complete Date: 03/30/2006
Decode for Region: North West Region

U108 **SIVERS INVESTMENT PROPERTY** **OR LUST** **S104069616**
SSW **1630 SE 8TH AVE** **OR SPILLS** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.130 mi.
684 ft. **Site 2 of 3 in cluster U**

Relative:
Higher

Actual:
52 ft.

LUST:
Region: North Western Region
Facility ID: 26-12-0910
Cleanup Received Date: 08/02/2012
Cleanup Start Date: 07/17/2012
Cleanup Complete Date: Not reported
Decode for Region: North West Region

Region: North Western Region

SIVERS INVESTMENT PROPERTY (Continued) **S104069616**

Facility ID: 26-90-0186
Cleanup Received Date: 05/22/1990
Cleanup Start Date: 05/22/1990
Cleanup Complete Date: 03/12/1992
Decode for Region: North West Region

OR SPILLS:
Facility ID: 1999-0079
Incident Status: Archive
Material: Diesel fuel
Quantity: 20
Unit of Measure: Gallons
Release Date: 01/13/1999
Description: Spilled 20 plus gal diesel while siphoning washed it to storm drain-also cleaned out wasre oil catch pan (spillage pan?) at some time.
Lat/Long: 45.5113 / -122.6576
Source: Other
Media: Not reported
Responsible Company: Trashco Services, Inc.
Responsible Address: PO Box 14788
Responsible City,St,Zip: Portland, OR 97293-0788

V109 **HENRIKSEN HARRY C** **EDR Hist Auto** **1009486336**
ESE **1290 HAWTHORNE AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.131 mi.
693 ft. **Site 4 of 7 in cluster V**

Relative:
Higher

Actual:
49 ft.

EDR Historical Auto Stations:
Name: HENRIKSEN HARRY C
Year: 1930
Type: AUTOMOBILE GARAGES

S110 **ARARAT CLEANERS DYOVERS** **EDR Hist Cleaner** **1009476107**
SE **1206 SE CLAY ST** **N/A**
1/8-1/4 **PORTLAND, OR**
0.131 mi.
694 ft. **Site 7 of 9 in cluster S**

Relative:
Higher

Actual:
47 ft.

EDR Historical Cleaners:
Name: ARARAT CLEANERS DYOVERS
Year: 1965
Type: CLEANERS AND DYERS

S111 **ARARAT CLEANERS AND DYERS** **EDR Hist Cleaner** **1009476106**
SE **1206 SE CLAY** **N/A**
1/8-1/4 **PORTLAND, OR**
0.131 mi.
694 ft. **Site 8 of 9 in cluster S**

Relative:
Higher

Actual:
47 ft.

EDR Historical Cleaners:

Name:	ARARAT CLEANERS AND DYERS
Year:	1950
Type:	CLEANERS AND DYERS
Name:	ARARAT CLEANERS AND DYERS
Year:	1955
Type:	CLEANERS AND DYERS
Name:	ARART CLEANERS AND DYERS
Year:	1960
Type:	CLEANERS AND DYERS

S112 **SHELDON S BRAKE SERVICE** **EDR Hist Auto** **1009485902**
SE **1206 SE CLAY** **N/A**
1/8-1/4 **PORTLAND, OR**
0.131 mi.
694 ft. **Site 9 of 9 in cluster S**

Relative:
Higher

Actual:
47 ft.

EDR Historical Auto Stations:

Name:	SHELDON ARCHIE E
Year:	1935
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	SHELDON S BRAKE SERVICE
Year:	1940
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	SHELDON S BRAKE SERVICE
Year:	1940
Type:	AUTOMOBILE REPAIRING

X113 **PIERCE L H AUTO SERVICE** **EDR Hist Auto** **1009496383**
North **938 SE 9TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.135 mi.
712 ft. **Site 1 of 11 in cluster X**

Relative:
Lower

Actual:
41 ft.

EDR Historical Auto Stations:

Name:	PIERCE L H AUTO SERVICE
Year:	1935
Type:	AUTOMOBILE GARAGES
Name:	PIERCE L H AUTO SERVICE
Year:	1940
Type:	AUTOMOBILE REPAIRING

114
ENE
1/8-1/4
0.137 mi.
723 ft.

HEATING OIL TANK
1306 SE SALMON ST
PORTLAND, OR 97214

OR LUST **S110737728**
N/A

Relative:
Higher

Actual:
59 ft.

LUST:
Region: North Western Region
Facility ID: 26-10-1133
Cleanup Received Date: 11/10/2010
Cleanup Start Date: Not reported
Cleanup Complete Date: 03/25/2011
Decode for Region: North West Region

R115
WSW
1/8-1/4
0.137 mi.
723 ft.

BOYD EUG E
651 HAWTHORNE AVE
PORTLAND, OR
Site 13 of 13 in cluster R

EDR Hist Cleaner **1009482198**
N/A

Relative:
Higher

Actual:
58 ft.

EDR Historical Cleaners:
Name: BOYD EUG E
Year: 1930
Type: CLEANERS GARMENTS CURTAINS AND DRAPERIES

X116
North
1/8-1/4
0.139 mi.
732 ft.

DEWART AND LIVESLEY TRUSTS
930 SE 9TH AVENUE
PORTLAND, OR 97214
Site 2 of 11 in cluster X

OR LUST **S107135406**
N/A

Relative:
Lower

Actual:
41 ft.

LUST:
Region: North Western Region
Facility ID: 26-05-1266
Cleanup Received Date: 06/15/2005
Cleanup Start Date: 06/16/2005
Cleanup Complete Date: 12/02/2005
Decode for Region: North West Region

Y117
NE
1/8-1/4
0.139 mi.
736 ft.

HEATING OIL TANK
1007 SE 12TH AVE
PORTLAND, OR 97214
Site 1 of 5 in cluster Y

OR LUST **S108987252**
N/A

Relative:
Higher

Actual:
62 ft.

LUST:
Region: North Western Region
Facility ID: 26-07-1806
Cleanup Received Date: 12/03/2007
Cleanup Start Date: Not reported
Cleanup Complete Date: 03/06/2008
Decode for Region: North West Region

V118
SE
1/8-1/4
0.141 mi.
743 ft.

LADD INN TAVERN
1204 SE CLAY ST
PORTLAND, OR 97214

OR LUST **S109051952**
N/A

Site 5 of 7 in cluster V

Relative:
Higher

Actual:
48 ft.

LUST:

Region:	North Western Region
Facility ID:	26-08-0037
Cleanup Received Date:	01/11/2008
Cleanup Start Date:	01/09/2008
Cleanup Complete Date:	**10/28/2008**
Decode for Region:	**North West Region**

Z119
WSW
1/8-1/4
0.142 mi.
748 ft.

AUTOMATIC TRANSMISSION EXCHANGE INC
622 SE MADISON
PORTLAND, OR

EDR Hist Auto **1009493834**
N/A

Site 1 of 11 in cluster Z

Relative:
Higher

Actual:
57 ft.

EDR Historical Auto Stations:

Name:	AUTOMATIC TRANSMISSION EXCHANGE INC
Year:	1965
Type:	AUTOMATIC TRANSMISSION SERVICE
Name:	AUTOMATIC TRANSMISSION EXCHANGE INC
Year:	1965
Type:	AUTOMOBILE REPAIRING

Q120
WNW
1/8-1/4
0.143 mi.
755 ft.

LEININGER POLISHING & PLATING
625 SE SALMON ST
PORTLAND, OR 97214

RCRA NonGen / NLR **1000316160**
FINDS **ORD009030248**
ECHO

Site 3 of 4 in cluster Q

Relative:
Higher

Actual:
55 ft.

RCRA NonGen / NLR:

Date form received by agency:	12/31/1985
Facility name:	LEININGER POLISHING & PLATING
Facility address:	625 SE SALMON ST PORTLAND, OR 97214
EPA ID:	ORD009030248
Mailing address:	627 SE DIVISION PL PORTLAND, OR 97202
Contact:	LONNIE BAKER
Contact address:	627 SE DIVISION PL PORTLAND, OR 97202
Contact country:	US
Contact telephone:	503 232-9109
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	HILDA LEININGER
Owner/operator address:	625 SE SALMON ST PORTLAND, OR 97214
Owner/operator country:	US

LEININGER POLISHING & PLATING (Continued) **1000316160**

Owner/operator telephone: (503) 232-9109
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/27/1981
Owner/Op end date: Not reported

Owner/operator name: LEININGER POLISHING & PLATING
Owner/operator address: 625 SE SALMON ST
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: 503 232-9109
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/31/1985
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 02/23/1984
Site name: LEININGER POLISHING & PLATING
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004778893

Environmental Interest/Information System
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

LEININGER POLISHING & PLATING (Continued) **1000316160**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1000316160
Registry ID:	110004778893
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51459
Longitude:	-122.65905
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011124
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N

LEININGER POLISHING & PLATING (Continued) **1000316160**

GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD009030248
RCRA Permit Types:	Other
RCRA NAICS:	332813
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N

LEININGER POLISHING & PLATING (Continued) **1000316160**

TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004778893
Facility SIC Codes:	Not reported
Facility NAICS Codes:	332813
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

Q121 **EDR Hist Auto** **1015582059**
WNW **625 SE SALMON ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.143 mi.
755 ft. **Site 4 of 4 in cluster Q**

Relative:
Higher

Actual:
55 ft.

EDR Historical Auto Stations:

Name:	ACME WELDING BODY SHOP
Year:	2003
Address:	625 SE SALMON ST
Name:	ACME WELDING BODY SHOP
Year:	2004
Address:	625 SE SALMON ST
Name:	ACME WELDING BODY SHOP
Year:	2005
Address:	625 SE SALMON ST
Name:	ACME WELDING BODY SHOP
Year:	2010
Address:	625 SE SALMON ST

W122
NW
1/8-1/4
0.143 mi.
755 ft.

HEATING OIL TANK
1020 SE 7TH
PORTLAND, OR 97214

Site 2 of 2 in cluster W

OR LUST **S100500642**
N/A

Relative:
Higher

Actual:
46 ft.

LUST:

Region:	North Western Region
Facility ID:	26-92-0072
Cleanup Received Date:	03/16/1992
Cleanup Start Date:	02/21/1991
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

Z123
WSW
1/8-1/4
0.144 mi.
762 ft.

BILLINGSLEY L Y MOTOR CO
635 SE HAWTHORNE BLVD
PORTLAND, OR

Site 2 of 11 in cluster Z

EDR Hist Auto **1009493962**
N/A

Relative:
Higher

Actual:
59 ft.

EDR Historical Auto Stations:

Name:	BILLINGSLEY L Y MOTOR CO
Year:	1940
Type:	AUTOMOBILE REPAIRING
Name:	BILLINGSLEY PONTIAC CO
Year:	1950
Type:	AUTOMOBILE REPAIRING

Z124
West
1/8-1/4
0.144 mi.
762 ft.

FORD CLAUDE J
617 SE MADISON
PORTLAND, OR

Site 3 of 11 in cluster Z

EDR Hist Auto **1009493794**
N/A

Relative:
Higher

Actual:
58 ft.

EDR Historical Auto Stations:

Name:	FORD CLAUDE J
Year:	1935
Type:	AUTOMOBILE REPAIRING
Name:	CUSTOM AUTOMOTIVE RESTORATION INCORPORATED
Year:	1999
Address:	617 SE MADISON ST
Name:	CUSTOM AUTOMOTIVE RESTORATION INC
Year:	2001
Address:	617 SE MADISON ST

U125 **R G WILKS COMMERCIAL PRINTERS INC** **RCRA NonGen / NLR** **1000834907**
SW **700 SE CLAY** **FINDS** **ORD987200102**
1/8-1/4 **PORTLAND, OR 97214** **ECHO**
0.144 mi.
762 ft. **Site 3 of 3 in cluster U**

Relative:
Higher

Actual:
57 ft.

RCRA NonGen / NLR:

Date form received by agency:	12/27/1993
Facility name:	R G WILKS COMMERCIAL PRINTERS INC
Facility address:	700 SE CLAY PORTLAND, OR 97214
EPA ID:	ORD987200102
Mailing address:	11000 SW 11TH AVE STE 400 BEAVERTON, OR 97005
Contact:	KIRK OLSON
Contact address:	11000 SW 11TH ST #400 BEAVERTON, OR 97005
Contact country:	US
Contact telephone:	(503) 233-7711
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	R G WILKS COMMERCIAL PRINTERS INC
Owner/operator address:	PO BOX 14430 PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	12/27/1993
Owner/Op end date:	Not reported

Owner/operator name:	T L BRANDT CO
Owner/operator address:	2310 NW EVERETT STREET PORTLAND, OR 97210
Owner/operator country:	US
Owner/operator telephone:	(503) 227-2777
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	12/27/1993
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

R G WILKS COMMERCIAL PRINTERS INC (Continued) **1000834907**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 12/11/1992
Site name: R G WILKS COMMERCIAL PRINTERS INC
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004806764

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1000834907
Registry ID:	110004806764
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51136
Longitude:	-122.65841
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011021018
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported

R G WILKS COMMERCIAL PRINTERS INC (Continued) **1000834907**

Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD987200102
RCRA Permit Types:	Other

R G WILKS COMMERCIAL PRINTERS INC (Continued) **1000834907**

RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004806764
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

V126 **HEATING OIL TANK** **OR LUST** **S111834702**
SE **1540 SE LADD AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.145 mi.
767 ft. **Site 6 of 7 in cluster V**

Relative:
Higher

Actual:
48 ft.

LUST:

Region:	North Western Region
Facility ID:	26-12-0110
Cleanup Received Date:	02/07/2012
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**08/01/2012**
Decode for Region:	**North West Region**

AA127
ESE
1/8-1/4
0.146 mi.
772 ft.

HAWTHORNE SERVICE GARAGE
1312 SE HAWTHORNE BLVD
PORTLAND, OR

Site 1 of 5 in cluster AA

EDR Hist Auto **1009486469**
N/A

Relative:
Higher

Actual:
50 ft.

EDR Historical Auto Stations:

Name:	HAWTHORNE SERVICE GARAGE
Year:	1935
Type:	AUTOMOBILE GARAGES
Name:	HAWTHORNE SERVICE GARAGE
Year:	1940
Type:	AUTOMOBILE REPAIRING
Name:	HAWTHORNE SERVICE GARAGE
Year:	1940
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	MC MILAN DELMAR P
Year:	1940
Type:	AUTOMOBILE REPAIRING

AB128
SW
1/8-1/4
0.146 mi.
773 ft.

HEATING OIL TANK
700 SE CLAY ST
PORTLAND, OR 97214

Site 1 of 2 in cluster AB

OR LUST **S113907072**
N/A

Relative:
Higher

Actual:
59 ft.

LUST:

Region:	North Western Region
Facility ID:	26-13-0606
Cleanup Received Date:	05/15/2013
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**05/28/2013**
Decode for Region:	**North West Region**

Z129
WSW
1/8-1/4
0.147 mi.
777 ft.

MIDWAY GARAGE
629 HAWTHORNE AVE
PORTLAND, OR

Site 4 of 11 in cluster Z

EDR Hist Auto **1009493877**
N/A

Relative:
Higher

Actual:
59 ft.

EDR Historical Auto Stations:

Name:	MIDWAY GARAGE
Year:	1930
Type:	AUTOMOBILE GARAGES

AC130 **SANDERS FRANK** **EDR Hist Auto** **1009496327**
NNW **931 SE 8TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.147 mi.
777 ft. **Site 1 of 12 in cluster AC**

Relative:
Higher

Actual:
42 ft.

EDR Historical Auto Stations:
Name: SANDERS FRANK
Year: 1935
Type: AUTOMOBILE REPAIRING

AD131 **BILLINGSLEY PONTIAC CO** **EDR Hist Auto** **1009493918**
WSW **632 SE HAWTHORNE BLVD** **N/A**
1/8-1/4 **PORTLAND, OR**
0.148 mi.
781 ft. **Site 1 of 8 in cluster AD**

Relative:
Higher

Actual:
60 ft.

EDR Historical Auto Stations:
Name: RUGG S SUPER SERVICE
Year: 1935
Type: GASOLINE AND OIL SERVICE STATIONS

Name: BILLINGSLEY PONTIAC CO
Year: 1955
Type: AUTOMOBILE REPAIRING

AE132 **MCGUIRE BEARING COMPANY** **OR UST** **U000432711**
South **947 SE MARKET ST** **OR HSIS** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.149 mi.
786 ft. **Site 1 of 5 in cluster AE**

Relative:
Higher

Actual:
49 ft.

UST:
Facility ID: 6964
Facility Telephone: (503)238-1570
Permittee Name: STEVE BENEFIEL, WAREHOUSE MANAGER
Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 3
Number of Tanks: 3

HSIS:
Facility Id: 003608
Chemical Is Extremely Hazardous Substance (EHS): No
Department Or Division Of Company: Not reported
Facility Has Written Emergency Plan: Yes
Contains 112R: No
NAICS Code 1: 423840
NAICS Desc 1: IND SUPPLIES WHSLE
NAICS Code 2: 000000
NAICS Desc 2: Not reported
Manager Name: STEVEN MCGUIRE
Business Phone: 5032381570
Mailing Address: 947 SE MARKET ST
Mailing City,St,Zip: PORTLAND, OR 97214
No. of Employees: 69
Day Phone: 5032381570
Placard: Yes

MCGUIRE BEARING COMPANY (Continued) **U000432711**

Fire Dept Code: 0291
Sprinkler System: Yes
Emergency Contact: ANDY MCGUIRE
Emergency Procedure: EMERGENCY EVACUATION MAPS POSTED
Business Type: IND DISTRIBUTION OF BEARINGS & POWER TRANS PARTS

Facility:

Facility Id:	003608
Physical State Of The Substance:	3
Physical State:	GAS
Average Amount Possessed During The Year Code:	03
Maximum Amount Possessed During The Year Code:	21
Applicable Unit Of Measure Code:	3
Description Of The Unit Of Measure:	CUBIC FEET
Type Code:	L
Description:	CYLINDER
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	2
Pressure Description:	GREATER THAN NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	LESS THAN NORMAL TEMPERATURE BUT NOT CRYOGENIC
Temperature of The Hazardous Substance Code:	6
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	5,000-9,999
Description Of The Avg Qnty Code:	20-49
Most Hazardous Ingridient:	OXYGEN
United Nations/north America 4 Digit Class Number:	1073
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	True
Substance Mix:	False
First Hazardous Class Code For Chemical:	Non-flammable Gas
Second Hazardous Class Code For Chemical:	Oxidizers
Third Hazardous Class Code For Chemical:	Acute Health Hazard
Hazard Class 1 Of The Chemical:	2.2
Hazard Class 2 Of The Chemical:	5.1
Hazard Class 3 Of The Chemical:	6.3

Chemical:

United Nations/north America 4 Digit Class Number:	1073
Chemical Abstract Service Identifier Number:	7782447
Chemical Is Extremely Hazardous Substance (EHS):	No
First Hazardous Class Code For Chemical:	Non-flammable Gas
Second Hazardous Class Code For Chemical:	Oxidizers
Third Hazardous Class Code For Chemical:	Acute Health Hazard
Hazard Class 1 Of The Chemical:	2.2
Hazard Class 2 Of The Chemical:	5.1
Hazard Class 3 Of The Chemical:	6.3
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Contains 112R:	No
Contains EHS:	No
Fertilizer:	No

MCGUIRE BEARING COMPANY (Continued) **U000432711**

Pesticide: No
Contains 313: No

Facility Id: 003608
Physical State Of The Substance: 3
Physical State: GAS
Average Amount Possessed During The Year Code: 11
Maximum Amount Possessed During The Year Code: 11
Applicable Unit Of Measure Code: 3
Description Of The Unit Of Measure: CUBIC FEET
Type Code: L
Description: CYLINDER
Type Code: Not reported
Temperature Description: Not reported
Pressure of Code: 2
Pressure Description: GREATER THAN NORMAL PRESSURE
Pressure of Code: Not reported
Pressure Description: Not reported
Temperature Description: NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code: 4
Temperature Description: Not reported
Temperature of The Hazardous Substance Code: Not reported
Days Hazardous Substance On Site During Year: 365
Is The Substance Protected A Trade Secret: False
Description Of The Max Qnty Code: 500-999
Description Of The Avg Qnty Code: 500-999
Most Hazardous Ingridient: OXYGEN
United Nations/north America 4 Digit Class Number: 1072
Hazard Rank: 2
EHS Ingredient: Not reported
Substance Pure: True
Substance Mix: False
First Hazardous Class Code For Chemical: Oxidizers
Second Hazardous Class Code For Chemical: Non-flammable Gas
Third Hazardous Class Code For Chemical: Not reported
Hazard Class 1 Of The Chemical: 5.1
Hazard Class 2 Of The Chemical: 2.2
Hazard Class 3 Of The Chemical: Not reported

Chemical:
United Nations/north America 4 Digit Class Number: 1072
Chemical Abstract Service Identifier Number: 7782447
Chemical Is Extremely Hazardous Substance (EHS): No
First Hazardous Class Code For Chemical: Oxidizers
Second Hazardous Class Code For Chemical: Non-flammable Gas
Third Hazardous Class Code For Chemical: Not reported
Hazard Class 1 Of The Chemical: 5.1
Hazard Class 2 Of The Chemical: 2.2
Hazard Class 3 Of The Chemical: Not reported
Chemical Is A Toxic 313 Chemical: No
EPA Pesticide Registration Number: Not reported
Contains 112R: No
Contains EHS: No
Fertilizer: No
Pesticide: No
Contains 313: No

MCGUIRE BEARING COMPANY (Continued) **U000432711**

Facility Id:	003608
Physical State Of The Substance:	3
Physical State:	GAS
Average Amount Possessed During The Year Code:	10
Maximum Amount Possessed During The Year Code:	11
Applicable Unit Of Measure Code:	3
Description Of The Unit Of Measure:	CUBIC FEET
Type Code:	L
Description:	CYLINDER
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	2
Pressure Description:	GREATER THAN NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	500-999
Description Of The Avg Qnty Code:	200-499
Most Hazardous Ingridient:	ARGON
United Nations/north America 4 Digit Class Number:	1956
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Non-flammable Gas
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	2.2
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

Chemical:

United Nations/north America 4 Digit Class Number:	1956
Chemical Abstract Service Identifier Number:	7440371
Chemical Is Extremely Hazardous Substance (EHS):	Not reported
First Hazardous Class Code For Chemical:	Non-flammable Gas
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	2.2
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported
Chemical Is A Toxic 313 Chemical:	Not reported
EPA Pesticide Registration Number:	Not reported
Contains 112R:	Not reported
Contains EHS:	Not reported
Fertilizer:	Not reported
Pesticide:	Not reported
Contains 313:	Not reported

X133 **COMELLA S TRUCK N AUTO SERVICE** **EDR Hist Auto** **1009496368**
North **936 SE BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.150 mi.
791 ft. **Site 3 of 11 in cluster X**

Relative:
Higher

Actual:
43 ft.

EDR Historical Auto Stations:

Name:	WELDY QUENTIN B
Year:	1940
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	RUSTY S TRUCK N AUTO SERVICE
Year:	1950
Type:	GASOLINE STATIONS
Name:	COMELLA S TURCK N AUTO SERVICE
Year:	1955
Type:	GASOLINE STATIONS
Name:	COMELLA S TRUCK N AUTO SERVICE
Year:	1955
Type:	AUTOMOBILE REPAIRING
Name:	STEVE S TRUCK AND AUTO SERVICE
Year:	1960
Type:	AUTOMOBILE REPAIRING

X134 **STANTON CO AUTO C BRAKE REPAIR** **EDR Hist Auto** **1009496369**
North **936 SE BELMONT ST** **N/A**
1/8-1/4 **PORTLAND, OR**
0.150 mi.
791 ft. **Site 4 of 11 in cluster X**

Relative:
Higher

Actual:
43 ft.

EDR Historical Auto Stations:

Name:	STANTON CO AUTO C BRAKE REPAIR
Year:	1970
Type:	AUTOMOBILE REPAIRING

Z135 **MADISON STREET GARAGE** **EDR Hist Auto** **1009486652**
West **1338 SE 6TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.150 mi.
791 ft. **Site 5 of 11 in cluster Z**

Relative:
Higher

Actual:
59 ft.

EDR Historical Auto Stations:

Name:	EVERS AUTOMOTIVE SERVICE
Year:	1935
Type:	AUTOMOBILE REPAIRING
Name:	MADISON STREET GARAGE
Year:	1970
Type:	AUTOMOBILE REPAIRING
Name:	MADISON STREET GARAGE
Year:	1975
Type:	AUTOMOBILE REPAIRING
Name:	AUTOMOTIVE SPECIALISTS

MADISON STREET GARAGE (Continued) **1009486652**

Year: 1985
Type: AUTOMOBILE REPAIRING

AF136 **GARDNER & RANCHERS PROPERTY** **OR LUST** **S105556190**
North **1004-1036 SE BELMONT ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.150 mi.
793 ft. **Site 1 of 9 in cluster AF**

Relative:
Higher

Actual:
49 ft.

LUST:
Region: North Western Region
Facility ID: 26-02-0032
Cleanup Received Date: 05/28/2002
Cleanup Start Date: 05/28/2002
Cleanup Complete Date: 03/22/2005
Decode for Region: North West Region

AF137 **GARDNER AND RANCHERS PROPERTY** **OR ECSI** **S106236720**
North **1004 SE BELMONT ST.** **OR VCP** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.150 mi.
793 ft. **Site 2 of 9 in cluster AF**

Relative:
Higher

Actual:
49 ft.

ECSI:
State ID Number: 4073
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: Suspect
FACA ID: 82330
Further Action: 0
Lat/Long (dms): 45 30 57.60 / -122 39 18.00
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 2
Qtr Section: BD
Tax Lots: 2500
Size: 1.06 acres (vacant)
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 06/17/2015
Created Date: 03/01/2004
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: Suspect
Decode For Legislative: Not reported
Alias Name: Belmont Superblock
Alias Name: Oregon Crankshaft Service

GARDNER AND RANCHERS PROPERTY (Continued) **S106236720**

Alias Name: Risberg Truck Service
Alias Name: Market Garage

Hazardous Release:
Substance ID.: 121011
Haz Release ID: 388227
Qty Released: Not reported
Date Released: Not reported
Update Date: 01/08/2015
Update By: SMILLER
Substance Code: 127-18-4
Substance Name: TETRACHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316912
Sub Alias Name: ETHENE,TETRACHLORO-
Substance Alias ID: 316913
Sub Alias Name: ETHYLENE TETRACHLORIDE
Substance Alias ID: 316914
Sub Alias Name: PERCHLOROETHYLENE
Substance Alias ID: 316915
Sub Alias Name: PERCLENE
Substance Alias ID: 316916
Sub Alias Name: TETRACHLOROETHENE
Substance Alias ID: 316917
Sub Alias Name: TETRACHLOROETHENE,1,1,2,2-
Substance Alias ID: 316918
Sub Alias Name: TETRACHLOROETHYLENE,1,1,2,2-
Sampling Result ID: 350733
Feature Id: 0
Hazard Release Id: 388227
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 03/31/2013

GARDNER AND RANCHERS PROPERTY (Continued) **S106236720**

End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: up to 1.39 ug/L
Last Update By: SMILLER
Update Date: 01/08/2015
Decode for MediumID: Groundwater

Narrative:

NARR ID: 5755278
NARR Code: Site Contacts
Created By: SMILLER
Created Date: 09/04/2014
Updated By: SMILLER
Updated Date: 09/04/2014
Decode for NarcdID: Site Contacts
NARR Comments: Consultant: Gil Cobb, RPGPoint Source Solutions10445 SW Canyon Road, Suite 115Beaverton Oregon 97005phone: 503.916.9254fax: 503.224.0449Developer/owner: Noel JohnsonVice President500 East Broadway, Suite 110Vancouver, WA 98660T: 360.567.0626C: 503.290.4095 www.killianpacific.com

NARR ID: 5744638
NARR Code: Contamination
Created By: JWAGGY
Created Date: 03/01/2004
Updated By: JWAGGY
Updated Date: 03/01/2004
Decode for NarcdID: Contamination
NARR Comments: (1/28/04 RR/UST) Five gasoline and/or diesel underground storage tanks (USTs) decommissioned by removal in May 2002. Soil and groundwater contamination detected. Numerous site assessment borings and three groundwater monitoring wells installed. Four quarters of groundwater monitoring completed. Low concentrations of tetrachloroethylene detected along with petroleum constituents.

NARR ID: 5744639
NARR Code: Data Sources
Created By: JWAGGY
Created Date: 03/01/2004
Updated By: JWAGGY
Updated Date: 03/01/2004
Decode for NarcdID: Data Sources
NARR Comments: UST Cleanup File #26-02-0032

NARR ID: 5744636
NARR Code: Manner of Release
Created By: JWAGGY
Created Date: 03/01/2004
Updated By: JWAGGY
Updated Date: 03/01/2004
Decode for NarcdID: Manner of Release
NARR Comments: Historic.

NARR ID: 5744637
NARR Code: Remedial Action
Created By: JWAGGY
Created Date: 03/01/2004

GARDNER AND RANCHERS PROPERTY (Continued) **S106236720**

Updated By: SMILLER
Updated Date: 01/08/2015
Decode for NarcdID: Remedial Action
NARR Comments: (1/28/04 RR/UST) Presene of tetrachloroethylene at levels up to 5.0 ppb detected in groundwater during petroleum release investigation.[6/17/2013 SAM/VCP] In 2005, DEQ UST program granted a no further action only for the USTs as long as commercial or industrial use occurs on site and groundwater is not used, but contamination remains. The current work will evaluate the site for potential future residential/mixed use.

NARR ID: 5744635
NARR Code: Site History
Created By: JWAGGY
Created Date: 03/01/2004
Updated By: JWAGGY
Updated Date: 03/01/2004
Decode for NarcdID: Site History
NARR Comments: Most recently produce wholesalers; prior to that various automotive service businesses such as market Garage in 1940, Risberg Truck Service in 1950 and Oregon Crankshaft Service in 1980. Buildings on-site from 1936 - 2000.

Administrative Action:
Action ID: 9519
Region: Northwestern Region
Complete Date: 05/09/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/15/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Not reported

Action ID: 9425
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/09/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: 0
Comments: Not reported

Action ID: 9424
Region: Not reported
Complete Date: 03/01/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/01/2004

GARDNER AND RANCHERS PROPERTY (Continued) **S106236720**

Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Northwestern Region
Complete Date: 03/01/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/01/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: 0
Comments: Not reported

Action ID: 9476
Region: Northwestern Region
Complete Date: 01/28/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/01/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Refer to Program
Further Action: 0
Comments: Referred to Site Assessment from UST Program.

Operations:

Operation Id: 134880
Operation Status: Inactive
Common Name: Market Garage
Yrs of Operation: 1940's
Comments: Not reported
Updated Date: 03/01/2004
Updated By: JWAGGY
Decode for OpstatID: Inactive

Operation Id: 134881
Operation Status: Unknown
Common Name: Gardner and Ranchers Property
Yrs of Operation: unknown
Comments: Most recent operation - produce wholesalers; prior use was various automotive service businesses.
Updated Date: 03/01/2004
Updated By: JWAGGY
Decode for OpstatID: Unknown

Operation Id: 134882
Operation Status: Unknown

GARDNER AND RANCHERS PROPERTY (Continued) **S106236720**

Common Name: Risberg Truck Service
Yrs of Operation: 1950's
Comments: Not reported
Updated Date: 03/01/2004
Updated By: JWAGGY
Decode for OpstatID: Unknown

Operation Id: 134883
Operation Status: Inactive
Common Name: Oregon Crankshaft Service
Yrs of Operation: 1980's
Comments: Not reported
Updated Date: 03/01/2004
Updated By: JWAGGY
Decode for OpstatID: Inactive

VCS:
ECS Site ID: 4073
Facility Size: 1.06 acres (vacant)
Action: SITE EVALUATION
Start Date: 05/09/2013
End Date: Not reported
Facility Status: Active
Program: VCP
Latitude: 45.51599
Longitude: -122.655

AF138 **PANTORIUM DYE WKS** **EDR Hist Cleaner** **1009475220**
North **1008 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.150 mi.
794 ft. **Site 3 of 9 in cluster AF**

Relative:
Higher

Actual:
49 ft.

EDR Historical Cleaners:
Name: PANTORIUM DYE WKS
Year: 1924
Type: CLEANERS, DYERS AND PRESSERS

AC139 **HEATING OIL TANK** **OR LUST** **S117880999**
NNW **731 SE YAMHILL ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.150 mi.
794 ft. **Site 2 of 12 in cluster AC**

Relative:
Higher

Actual:
45 ft.

LUST:
Region: North Western Region
Facility ID: 26-15-0150
Cleanup Received Date: 02/06/2015
Cleanup Start Date: Not reported
Cleanup Complete Date: 05/12/2015
Decode for Region: North West Region

AF140 **PANTORIUM DYE WORKS** **EDR Hist Cleaner** **1009475228**
North **1010 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.150 mi.
794 ft. **Site 4 of 9 in cluster AF**

Relative:
Higher

Actual:
49 ft.

EDR Historical Cleaners:

Name:	PANTORIUM DYE WORKS
Year:	1930
Type:	CLEANERS GARMENTS CURTAINS AND DRAPERIES

AD141 **FRED S BODY SHOP** **EDR Hist Auto** **1009493864**
WSW **626 SE HAWTHORNE BLVD** **N/A**
1/8-1/4 **PORTLAND, OR**
0.151 mi.
795 ft. **Site 2 of 8 in cluster AD**

Relative:
Higher

Actual:
60 ft.

EDR Historical Auto Stations:

Name:	MORELAND AND BRADSHAW
Year:	1940
Type:	AUTOMOBILE REPAIRING
Name:	FRED S BODY SHOP
Year:	1940
Type:	AUTOMOBILE REPAIRING

X142 **MILLER S LAUNDERETTE** **EDR Hist Cleaner** **1009483739**
North **904 SE BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.151 mi.
797 ft. **Site 5 of 11 in cluster X**

Relative:
Lower

Actual:
41 ft.

EDR Historical Cleaners:

Name:	MILLER S LAUNDERETTE
Year:	1950
Type:	LAUNDRIES SELF SERVE
Name:	MILLER S LAUNDERETTE
Year:	1955
Type:	LAUNDRIES SELF SERVE
Name:	MILLER S LAUNDERETTE
Year:	1960
Type:	LAUNDRIES SELF SERVE

X143 **WEBERS GARAGE** **EDR Hist Auto** **1009496057**
North **900 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.151 mi.
798 ft. **Site 6 of 11 in cluster X**

Relative:
Lower

Actual:
41 ft.

EDR Historical Auto Stations:

Name:	WEBERS GARAGE
Year:	1930
Type:	AUTOMOBILE GARAGES

AF144 **BURNHAM ORIE C** **EDR Hist Auto** **1009485048**
NNE **1034 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.152 mi.
802 ft. **Site 5 of 9 in cluster AF**

Relative:
Higher

Actual:
51 ft.

EDR Historical Auto Stations:
Name: BURNHAM ORIE C
Year: 1930
Type: AUTOMOBILE GARAGES

Z145 **HEATING OIL TANK** **OR LUST** **S100497489**
West **601 SE MADISON** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.152 mi.
804 ft. **Site 6 of 11 in cluster Z**

Relative:
Higher

Actual:
59 ft.

LUST:
Region: North Western Region
Facility ID: 26-93-6011
Cleanup Received Date: 03/03/1993
Cleanup Start Date: 03/05/1993
Cleanup Complete Date: 06/08/1993
Decode for Region: North West Region

AG146 **HEATING OIL TANK** **OR LUST** **S111252734**
WNW **602 SE SALMON ST** **N/A**
1/8-1/4 **PORTLAND, OR 97205**
0.152 mi.
805 ft. **Site 1 of 3 in cluster AG**

Relative:
Higher

Actual:
56 ft.

LUST:
Region: North Western Region
Facility ID: 26-05-2578
Cleanup Received Date: 12/08/2005
Cleanup Start Date: 12/06/2005
Cleanup Complete Date: 01/19/2006
Decode for Region: North West Region

Z147 **PACIFIC LAUNDRY MACHINERY INC** **EDR Hist Cleaner** **1009481978**
WSW **615 SE HAWTHORNE BLVD** **N/A**
1/8-1/4 **PORTLAND, OR**
0.154 mi.
811 ft. **Site 7 of 11 in cluster Z**

Relative:
Higher

Actual:
60 ft.

EDR Historical Cleaners:
Name: PACIFIC LAUNDRY MACHINERY INC
Year: 1970
Type: LAUNDRY SUPPLIES AND EQUIPMENT DEALERS

AE148 **PACIFIC TOWN AND CAR** **OR LUST** **S101210373**
South **1750 SE 9TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.155 mi.
816 ft. **Site 2 of 5 in cluster AE**

Relative:
Higher

Actual:
50 ft.

LUST:

Region:	North Western Region
Facility ID:	26-94-0125
Cleanup Received Date:	07/20/1994
Cleanup Start Date:	07/20/1994
Cleanup Complete Date:	**06/21/2004**
Decode for Region:	**North West Region**

AE149 **ENGINE & PERFORMANCE WHSE SO INC** **RCRA-CESQG** **1004772008**
South **1020 SE MARKET ST** **FINDS** **ORR000001214**
1/8-1/4 **PORTLAND, OR 97214** **ECHO**
0.156 mi.
823 ft. **Site 3 of 5 in cluster AE**

Relative:
Higher

Actual:
47 ft.

RCRA-CESQG:

Date form received by agency:	12/31/2003
Facility name:	ENGINE & PERFORMANCE WHSE SO INC
Facility address:	1020 SE MARKET ST PORTLAND, OR 97214-4711
EPA ID:	ORR000001214
Contact:	GERALD CASTRO
Contact address:	PO BOX 540008 DALLAS, TX 75354-0008
Contact country:	US
Contact telephone:	503 232 2270 X
Contact email:	Not reported
EPA Region:	10
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	ENGINE AND PERFORMANCE WHSE SO INC
Owner/operator address:	1020 SE MARKET ST PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	503 232-2270 X2
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/25/2002
Owner/Op end date:	Not reported

ENGINE & PERFORMANCE WHSE SO INC (Continued) **1004772008**

Owner/operator name: ENGINE AND PERFORMANCE WHSE SO INC
Owner/operator address: 1020 SE MARKET ST
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: 503 232-2270 X2
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/25/2002
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 03/25/2002
Site name: ENGINE AND PERFORMANCE WHSE SO INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/04/2002
Site name: QUALITY PARTS SERVICE INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/23/2001
Site name: QUALITY PARTS SERVICE INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/10/2000
Site name: QUALITY PARTS SERVICE INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/23/1999
Site name: QUALITY PARTS SERVICE INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 05/08/1998
Site name: QUALITY PARTS SERVICE INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/18/1997

ENGINE & PERFORMANCE WHSE SO INC (Continued) **1004772008**

Site name: QUALITY PARTS SERVICE INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/08/1996
Site name: QUALITY PARTS SERVICE INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 05/18/1995
Site name: QUALITY PARTS SERVICE INC
Classification: Small Quantity Generator

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004821729

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1004772008
Registry ID:	110004821729
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51042
Longitude:	-122.65534
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214

ENGINE & PERFORMANCE WHSE SO INC (Continued) **1004772008**

Derived CD113:	03
Derived CB2010:	410510011021044
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Y
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported

ENGINE & PERFORMANCE WHSE SO INC (Continued) **1004772008**

CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORR000001214
RCRA Permit Types:	CESQG
RCRA NAICS:	44131
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004821729
Facility SIC Codes:	Not reported
Facility NAICS Codes:	44131
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

AH150 **ARARAT CLEANERS AND DYERS** **EDR Hist Cleaner** **1009477672**
SE **1639 SE 12TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.157 mi.
827 ft. **Site 1 of 4 in cluster AH**

Relative:
Higher

Actual:
47 ft.

EDR Historical Cleaners:

Name:	ARARAT CLEANERS AND DYERS
Year:	1935
Type:	DYERS AND CLEANERS
Name:	ARARAT CLEANERS AND DYERS
Year:	1940
Type:	CLOTHES PRESSERS AND CLEANERS

V151 **HEATING OIL TANK** **OR LUST** **S105856595**
SE **1549 SE LADD AVENUE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.157 mi.
830 ft. **Site 7 of 7 in cluster V**

Relative:
Higher

Actual:
48 ft.

LUST:

Region:	North Western Region
Facility ID:	26-03-0665
Cleanup Received Date:	04/09/2003
Cleanup Start Date:	04/15/2003
Cleanup Complete Date:	**06/06/2003**
Decode for Region:	**North West Region**

Z152 **BILLINGS BODY WORKS** **EDR Hist Auto** **1009486408**
West **1303 SE 6TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.157 mi.
830 ft. **Site 8 of 11 in cluster Z**

Relative:
Higher

Actual:
59 ft.

EDR Historical Auto Stations:

Name:	BILLINGS BODY WORKS
Year:	1940
Type:	AUTOMOBILE REPAIRING
Name:	WILLAMETTE WHEEL REPAIRS
Year:	1955
Type:	AUTOMOBILE REPAIRING
Name:	WILLAMETTE WHEEL REPAIRS
Year:	1960
Type:	AUTOMOBILE REPAIRING

AF153 **SUNNYSIDE LAUNDRY** **EDR Hist Cleaner** **1009484116**
North **997 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.158 mi.
832 ft. **Site 6 of 9 in cluster AF**

Relative:
Higher

Actual:
48 ft.

EDR Historical Cleaners:
Name: SUNNYSIDE LAUNDRY
Year: 1930
Type: LAUNDRIES

X154 **BELMONT CLEANERS** **EDR Hist Cleaner** **1009483869**
North **923 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.158 mi.
832 ft. **Site 7 of 11 in cluster X**

Relative:
Higher

Actual:
42 ft.

EDR Historical Cleaners:
Name: BELMONT CLEANERS
Year: 1930
Type: CLEANERS GARMENTS CURTAINS AND DRAPERIES

X155 **HARRIS AND KARR** **EDR Hist Auto** **1009496214**
North **915 SE BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.158 mi.
834 ft. **Site 8 of 11 in cluster X**

Relative:
Higher

Actual:
42 ft.

EDR Historical Auto Stations:
Name: HARRIS AND KARR
Year: 1935
Type: GASOLINE AND OIL SERVICE STATIONS

Z156 **DAVIS MARION F** **EDR Hist Auto** **1009487057**
WSW **1426 SE 6TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.158 mi.
836 ft. **Site 9 of 11 in cluster Z**

Relative:
Higher

Actual:
61 ft.

EDR Historical Auto Stations:
Name: DAVIS MARION F
Year: 1935
Type: AUTOMOBILE REPAIRING

Y157 **EDR Hist Auto** **1015671124**
NNE **909 SE 12TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.159 mi.
842 ft. **Site 2 of 5 in cluster Y**

Relative:
Higher

Actual:
65 ft.

EDR Historical Auto Stations:
Name: SAFELITE AUTO GLASS
Year: 2005
Address: 909 SE 12TH AVE

(Continued) **1015671124**

Name: BRADSHAW TRANSMISSION
Year: 2007
Address: 909 SE 12TH AVE

AF158 **JOY THE TAILOR** **EDR Hist Cleaner** **1009475446**
NNE **1043 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.160 mi.
844 ft. **Site 7 of 9 in cluster AF**

Relative:
Higher

Actual:
52 ft.

EDR Historical Cleaners:

Name: JOY THE TAILOR
Year: 1924
Type: DYERS AND CLEANERS

Name: JOY THE TAILOR
Year: 1924
Type: CLEANERS, DYERS AND PRESSERS

Name: JOY THE TAILOR
Year: 1930
Type: CLEANERS GARMENTS CURTAINS AND DRAPERIES

Name: JOY THE TAILOR
Year: 1930
Type: DYERS AND CLEANERS

Z159 **RTC** **OR LUST** **S100500668**
WSW **601 SE HAWTHORNE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.160 mi.
846 ft. **Site 10 of 11 in cluster Z**

Relative:
Higher

Actual:
61 ft.

LUST:

Region: North Western Region
Facility ID: 26-92-0325
Cleanup Received Date: 11/18/1992
Cleanup Start Date: 11/18/1992
Cleanup Complete Date: 08/28/1996
Decode for Region: North West Region

AF160 **CHRIS S SERVICE STATION** **EDR Hist Auto** **1009485157**
NNE **1051 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.160 mi.
847 ft. **Site 8 of 9 in cluster AF**

Relative:
Higher

Actual:
52 ft.

EDR Historical Auto Stations:

Name: CHRIS S SERVICE STATION
Year: 1930
Type: GASOLINE AND OIL SERVICE STATIONS

AG161 **OR FLOWER GROWERS ASSOCIATION** **OR LUST** **U000432897**
WNW **1106 SE 6TH AVE** **OR UST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.160 mi.
847 ft. **Site 2 of 3 in cluster AG**

Relative:
Higher

Actual:
54 ft.

LUST:

Region:	North Western Region
Facility ID:	26-91-0439
Cleanup Received Date:	11/01/1991
Cleanup Start Date:	11/28/1991
Cleanup Complete Date:	**11/28/1991**
Decode for Region:	**North West Region**

UST:

Facility ID:	10894
Facility Telephone:	(503)638-1573
Permittee Name:	Not reported
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	2
Number of Tanks:	2

X162 **KULLBERG PROPERTIES** **OR UST** **U001150135**
NNW **826 SE BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.161 mi.
850 ft. **Site 9 of 11 in cluster X**

Relative:
Lower

Actual:
41 ft.

UST:

Facility ID:	11068
Facility Telephone:	(503)282-3645
Permittee Name:	DON KULLBERG, OWNER
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	1
Number of Tanks:	1

AC163 **SUNNYSIDE JOY WELL SERVICE STATIONL** **EDR Hist Auto** **1009495369**
NNW **816 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.163 mi.
859 ft. **Site 3 of 12 in cluster AC**

Relative:
Lower

Actual:
41 ft.

EDR Historical Auto Stations:

Name:	SUNNYSIDE JOY WELL SERVICE STATIONL
Year:	1930
Type:	GASOLINE AND OIL SERVICE STATIONS

AC164 **HONEYWELL PROTECTION SERVICES** **OR UST** **U000432698**
NNW **810 SE BELMONT ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.164 mi.
866 ft. **Site 4 of 12 in cluster AC**

Relative:
Lower

Actual:
41 ft.

UST:

Facility ID:	1677
Facility Telephone:	(503) 232-9186
Permittee Name:	HAROLD J. FRANCE, BRANCH MANAGER
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	1
Number of Tanks:	1

AC165 **BRIGHT DAY COMMERCIAL PROPERTY** **OR ECSI** **S109051819**
NNW **810 SE BELMONT ST** **OR VCP** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.164 mi.
866 ft. **Site 5 of 12 in cluster AC**

Relative:
Lower

Actual:
41 ft.

ECSI:

State ID Number:	4977
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	831
Investigation:	No Further Action
FACA ID:	106958
Further Action:	0
Lat/Long (dms):	45 30 58.00 / -122 39 26.30
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	2
Qtr Section:	BB
Tax Lots:	6800
Size:	0.46 acres
NPL:	False
Orphan:	False
Updated By:	MGREENB
Update Date:	09/14/2009
Created Date:	04/15/2008
Decode For RegionID:	Northwest Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	No Further Action
Decode For Legislative:	Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

Narrative:

NARR ID:	5751701
NARR Code:	Remedial Action
Created By:	MGREENB
Created Date:	09/14/2009
Updated By:	MGREENB

BRIGHT DAY COMMERCIAL PROPERTY (Continued) **S109051819**

Updated Date: 09/14/2009
Decode for NarcdID: Remedial Action
NARR Comments: Diesel range organic compounds (DRO), oil range organic compounds (ORO), polynuclear aromatic hydrocarbons (PAH) and volatile organic compounds (VOC) associated with petroleum fuels were identified in former pump island area. Some other organic contaminants were observed but were not widespread (observed in one sample only, etc.). None of the organic contaminants observed in soil exceeded risk-based criteria for any of the completed exposure pathways (Construction Worker Soil Direct Contact, Soil Vapor Intrusion into Buildings and Soil Volatilization to Outdoor Air).Elevated levels of lead were observed in subsurface soils throughout the site. These levels were determined to be associated with historical fill materials. The mean concentration of lead was determined to be below DEQ Risk-Based Concentrations (RBCs) for soil for occupational, construction and excavation worker direct contact exposure. DEQ has determined that these soils would be considered solid waste if excavated during maintenance or development activities at the site. Furthermore, investigation results indicate these soils could potentially fail criteria and be classified as a characteristic hazardous waste.Analysis of groundwater samples collected from beneath the pump island area indicated the presence of DRO, ORO, PAH and VOC associated with petroleum fuels. Additional investigation to the west of this area (the downgradient direction) indicated that contaminants are attenuating close to the site. The stormwater sewer located adjacent to the site and within City right-of-way is constructed above the water table and is not expected to be impacted by groundwater. Tetrachloroethene was also detected in groundwater in one sample but no source of this contaminant was identified in soil at the site indicating the contaminant is from an unidentified off-site source. Metals in groundwater were not a concern.Further investigative activities identified a 500-gallon UST (formerly used in private fleet refueling) in the southeast quarter of the site near a former loading dock. Following removal of the UST, analytical results for soil samples indicated the presence of diesel and gasoline range petroleum hydrocarbons near the western end of the tank. The UST was assigned LUST file number 26-09-0389. The LUST file indicates that the cleanup and close-out of the 500-gallon UST would occur under ECSI file number 4977. Subsequent to the removal of approximately three tons of impacted soil from the former UST location, additional soil samples indicated contamination was below detection limits.

Administrative Action:
Action ID: 9443
Region: Northwestern Region
Complete Date: 09/14/2009
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/14/2009
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

BRIGHT DAY COMMERCIAL PROPERTY (Continued) **S109051819**

Action ID: 9424
Region: Not reported
Complete Date: 04/15/2008
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/15/2008
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 09/11/2008
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/15/2008
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Not reported

Action ID: 9435
Region: Northwestern Region
Complete Date: 09/14/2009
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/11/2008
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Independent Cleanup Program
Further Action: 0
Comments: Not reported

VCS:
ECS Site ID: 4977
Facility Size: 0.46 acres
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 09/14/2009
End Date: 09/14/2009
Facility Status: Completed
Program: VCP
Latitude: 45.51610
Longitude: -122.6573

AC166 **GRAND CENTRAL STATION** **EDR Hist Auto** **1009495262**
NNW **808 BELMONT ST** **N/A**
1/8-1/4 **PORTLAND, OR**
0.164 mi.
868 ft. **Site 6 of 12 in cluster AC**

Relative: **Lower**

Actual: **41 ft.**

EDR Historical Auto Stations:
Name: GRAND CENTRAL STATION
Year: 1965
Type: GASOLINE STATIONS

Y167 **SIMMONS JERRY AUTO BODY** **EDR Hist Auto** **1009496432**
NNE **945 SE 12TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.165 mi.
872 ft. **Site 3 of 5 in cluster Y**

Relative: **Higher**

Actual: **67 ft.**

EDR Historical Auto Stations:
Name: SIMMONS JERRY AUTO BODY
Year: 1985
Type: AUTOMOBILE REPAIRING

Y168 **TVG INC** **RCRA-CESQG** **1004770132**
NNE **945 SE 12TH AVE** **FINDS** **ORD114157605**
1/8-1/4 **PORTLAND, OR 97214** **ECHO**
0.165 mi.
872 ft. **Site 4 of 5 in cluster Y**

Relative: **Higher**

Actual: **67 ft.**

RCRA-CESQG:
Date form received by agency: 01/30/2003
Facility name: TVG INC
Facility address: 945 SE 12TH AVE
PORTLAND, OR 97214
EPA ID: ORD114157605
Contact: BO NEILL
Contact address: 945 SE 12TH AVE
PORTLAND, OR 97214
Contact country: US
Contact telephone: (503) 239-0122
Contact email: BO@TRGINC.NET
EPA Region: 10
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

TVG INC (Continued) **1004770132**

Owner/Operator Summary:
Owner/operator name: CURBO INC
Owner/operator address: 945 SE 12TH AVE
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: (503) 239-0122
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/30/2003
Owner/Op end date: Not reported

Owner/operator name: TVG INC
Owner/operator address: 945 SE 12TH AVE
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: (503) 239-0122
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/30/2003
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/28/2002
Site name: TVG INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/11/2001
Site name: TVG INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/10/2000
Site name: TVG INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/22/1999
Site name: TVG INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/27/1998

TVG INC (Continued) **1004770132**

Site name: TVG INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/06/1997
Site name: TVG INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/15/1996
Site name: TVG INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 10/07/1993
Site name: ARC AUTOMOTIVE INC ARC B/F ALIGNMENT
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/01/1992
Site name: ARC AUTOMOTIVE INC ARC B/F ALIGNMENT
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: NONE
. Waste name: None

Date form received by agency: 03/18/1986
Site name: ARC AUTOMOTIVE INC ARC B/F ALIGNMENT
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004788463

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1004770132
Registry ID:	110004788463
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported

TVG INC (Continued) **1004770132**

NAA Flag:	Not reported
Latitude:	45.51578
Longitude:	-122.65397
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011100
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Y
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported

TVG INC (Continued) **1004770132**

NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD114157605
RCRA Permit Types:	CESQG
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004788463
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported

TVG INC (Continued) **1004770132**

Facility Date Last Formal ACT ST: Not reported
Facility Date Last Inforamal ACT EPA: Not reported
Facility Date Last Informal ACT ST: Not reported
Facility Federal Agency: Not reported
TRI Reporter: Not reported
Facility IMP Water Flag: Not reported

X169 **GRAND CENTRAL CLEANERS AND DYERS** **EDR Hist Cleaner** **1009483286**
NNW **839 SE BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.166 mi.
878 ft. **Site 10 of 11 in cluster X**

Relative:
Lower

Actual:
40 ft.

EDR Historical Cleaners:

Name: GRAND CENTRAL CLEANERS AND DYERS
Year: 1935
Type: CLOTHES PRESSERS AND CLEANERS

Name: GRAND CENTRAL CLEANERS AND DYERS
Year: 1940
Type: CLOTHES PRESSERS AND CLEANERS

Name: KELLY CLEANERS
Year: 1950
Type: CLEANERS AND DYERS

Name: MARKET CLEANERS
Year: 1955
Type: CLEANERS AND DYERS

Name: MARKET CLEANERS
Year: 1960
Type: CLOTHES PRESSERS AND CLEANERS

X170 **JOHNNIES S SUPER SERVICE STATION** **EDR Hist Auto** **1009495541**
NNW **835 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.167 mi.
881 ft. **Site 11 of 11 in cluster X**

Relative:
Lower

Actual:
40 ft.

EDR Historical Auto Stations:

Name: JOHNNIES S SUPER SERVICE STATION
Year: 1930
Type: GASOLINE AND OIL SERVICE STATIONS

Y171
NNE
1/8-1/4
0.169 mi.
892 ft.

935 SE 12TH AVE
PORTLAND, OR 97214

Site 5 of 5 in cluster Y

EDR Hist Auto **1015679320**
N/A

Relative:
Higher

Actual:
67 ft.

EDR Historical Auto Stations:

Name:	NORTHWEST AUTO SERVICES
Year:	2001
Address:	935 SE 12TH AVE
Name:	NORTHWEST AUTO SERVICES
Year:	2002
Address:	935 SE 12TH AVE

AC172
NNW
1/8-1/4
0.171 mi.
901 ft.

SCHILLE MEDFORD V
940 SE 7TH AVE
PORTLAND, OR

Site 7 of 12 in cluster AC

EDR Hist Auto **1009496396**
N/A

Relative:
Higher

Actual:
46 ft.

EDR Historical Auto Stations:

Name:	SCHILLE MEDFORD V
Year:	1935
Type:	AUTOMOBILE REPAIRING
Name:	SANDERS FRANK
Year:	1940
Type:	AUTOMOBILE REPAIRING

AB173
SSW
1/8-1/4
0.171 mi.
904 ft.

DEPENDABLE PATTERN WORKS
737 SE MARKET ST
PORTLAND, OR 97214

Site 2 of 2 in cluster AB

RCRA NonGen / NLR **1004769802**
FINDS **ORD009022161**
ECHO

Relative:
Higher

Actual:
58 ft.

RCRA NonGen / NLR:

Date form received by agency:	12/31/2005
Facility name:	DEPENDABLE PATTERN WORKS
Facility address:	737 SE MARKET ST PORTLAND, OR 97214
EPA ID:	ORD009022161
Contact:	THOMAS A MATTSON
Contact address:	737 SE MARKET ST PORTLAND, OR 97214
Contact country:	US
Contact telephone:	(503) 239-5464
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	DEPENDABLE PATTERN WORKS
Owner/operator address:	737 SE MARKET ST PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	(503) 239-5464

DEPENDABLE PATTERN WORKS (Continued) **1004769802**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/18/1987
Owner/Op end date: Not reported

Owner/operator name: DEPENDABLE PATTERN WORKS
Owner/operator address: 737 SE MARKET ST
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: (503) 239-5464
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/31/2005
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 01/07/2004
Site name: DEPENDABLE PATTERN WORKS
Classification: Not a generator, verified

Date form received by agency: 12/31/2003
Site name: DEPENDABLE PATTERN WORKS
Classification: Not a generator, verified

Date form received by agency: 12/31/2002
Site name: DEPENDABLE PATTERN WORKS
Classification: Not a generator, verified

Date form received by agency: 01/17/2002
Site name: DEPENDABLE PATTERN WORKS
Classification: Not a generator, verified

Date form received by agency: 02/16/2001
Site name: DEPENDABLE PATTERN WORKS
Classification: Not a generator, verified

DEPENDABLE PATTERN WORKS (Continued) **1004769802**

Date form received by agency: 01/26/2000
Site name: DEPENDABLE PATTERN WORKS
Classification: Not a generator, verified

Date form received by agency: 01/19/1999
Site name: DEPENDABLE PATTERN WORKS
Classification: Not a generator, verified

Date form received by agency: 04/27/1998
Site name: DEPENDABLE PATTERN WORKS
Classification: Not a generator, verified

Date form received by agency: 02/14/1997
Site name: DEPENDABLE PATTERN WORKS
Classification: Not a generator, verified

Date form received by agency: 01/02/1996
Site name: DEPENDABLE PATTERN WORKS
Classification: Not a generator, verified

Date form received by agency: 06/13/1995
Site name: DEPENDABLE PATTERN WORKS
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004778438

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1004769802
Registry ID:	110004778438
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported

DEPENDABLE PATTERN WORKS (Continued) **1004769802**

Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51108
Longitude:	-122.65811
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011021018
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N

DEPENDABLE PATTERN WORKS (Continued) **1004769802**

CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD009022161
RCRA Permit Types:	Other
RCRA NAICS:	332997
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004778438
Facility SIC Codes:	Not reported
Facility NAICS Codes:	332997
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported

DEPENDABLE PATTERN WORKS (Continued) **1004769802**

Facility Date Last Formal ACT EPA: Not reported
Facility Date Last Formal ACT ST: Not reported
Facility Date Last Inforamal ACT EPA: Not reported
Facility Date Last Informal ACT ST: Not reported
Facility Federal Agency: Not reported
TRI Reporter: Not reported
Facility IMP Water Flag: Not reported

Z174 **WINTERS AND OWENS INC** **EDR Hist Auto** **1009493316**
WSW **561 HAWTHORNE AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.172 mi.
906 ft. **Site 11 of 11 in cluster Z**

Relative:
Higher

Actual:
63 ft.

EDR Historical Auto Stations:
Name: WINTERS AND OWENS INC
Year: 1930
Type: AUTOMOBILE REPAIRING

AE175 **SITEPAINTERS** **RCRA-CESQG** **1008196019**
South **1711 SE 10TH AVE** **ORQ000022129**
1/8-1/4 **PORTLAND, OR 97214**
0.173 mi.
911 ft. **Site 4 of 5 in cluster AE**

Relative:
Higher

Actual:
48 ft.

RCRA-CESQG:
Date form received by agency: 12/31/2003
Facility name: SITEPAINTERS
Facility address: 1711 SE 10TH AVE
PORTLAND, OR 97214
EPA ID: ORQ000022129
Mailing address: 330 SE 52ND AVE
PORTLAND, OR 97215
Contact: JOHN EARLY
Contact address: 330 SE 52ND AVE
PORTLAND, OR 97215
Contact country: US
Contact telephone: 503 788-2064
Contact email: Not reported
EPA Region: 10
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

SITEPAINTERS (Continued) **1008196019**

Owner/Operator Summary:
Owner/operator name: SITEPAINTERS
Owner/operator address: 330 SE 52ND AVE
PORTLAND, OR 97215
Owner/operator country: US
Owner/operator telephone: 503 788-2064
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/12/2003
Owner/Op end date: Not reported

Owner/operator name: SITEPAINTERS
Owner/operator address: 330 SE 52ND AVE
PORTLAND, OR 97215
Owner/operator country: US
Owner/operator telephone: 503 788-2064
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/31/2003
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 02/12/2003
Site name: SITEPAINTERS
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

AI176 **HEATING OIL TANK** **OR LUST** **S100500628**
WNW **1105 SE 6TH** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.173 mi.
915 ft. **Site 1 of 4 in cluster AI**

Relative:
Higher

Actual:
53 ft.

LUST:

Region:	North Western Region
Facility ID:	26-91-0460
Cleanup Received Date:	11/22/1991
Cleanup Start Date:	11/14/1991
Cleanup Complete Date:	**12/23/1991**
Decode for Region:	**North West Region**

AJ177 **VAUGHAN BESSIE L MRS** **EDR Hist Cleaner** **1009475822**
NNE **1137 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.174 mi.
917 ft. **Site 1 of 5 in cluster AJ**

Relative:
Higher

Actual:
65 ft.

EDR Historical Cleaners:

Name:	VAUGHAN BESSIE L MRS
Year:	1930
Type:	CLEANERS GARMENTS CURTAINS AND DRAPERIES

AD178 **WETLE GEO** **EDR Hist Auto** **1009493199**
WSW **545 HAWTHORNE AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.175 mi.
924 ft. **Site 3 of 8 in cluster AD**

Relative:
Higher

Actual:
63 ft.

EDR Historical Auto Stations:

Name:	WETLE GEO
Year:	1924
Type:	AUTOMOBILE REPAIRING

AK179 **HEATING OIL TANK** **OR LUST** **S102590042**
East **1404 SE MADISON STREET** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.175 mi.
924 ft. **Site 1 of 4 in cluster AK**

Relative:
Higher

Actual:
56 ft.

LUST:

Region:	North Western Region
Facility ID:	26-97-0462
Cleanup Received Date:	06/18/1997
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

AA180
ESE
1/8-1/4
0.175 mi.
926 ft.

JOY THE TAILOR
1387 HAWTHORNE AVE
PORTLAND, OR

Site 2 of 5 in cluster AA

EDR Hist Cleaner **1009476864**
N/A

Relative:
Higher

Actual:
51 ft.

EDR Historical Cleaners:

Name:	JOY THE TAILOR
Year:	1930
Type:	DYERS AND CLEANERS
Name:	JOY THE TAILOR
Year:	1930
Type:	CLEANERS GARMENTS CURTAINS AND DRAPERIES

AC181
NNW
1/8-1/4
0.177 mi.
933 ft.

HEATING OIL TANK
928-940 SE 7TH
PORTLAND, OR 97214

Site 8 of 12 in cluster AC

OR LUST **S105981522**
N/A

Relative:
Higher

Actual:
45 ft.

LUST:

Region:	North Western Region
Facility ID:	26-03-1725
Cleanup Received Date:	08/19/2003
Cleanup Start Date:	08/19/2003
Cleanup Complete Date:	**12/17/2003**
Decode for Region:	**North West Region**

AL182
SSE
1/8-1/4
0.177 mi.
936 ft.

LARSONS AUTOMOTIVE
1727 SE 11TH
PORTLAND, OR 97214

Site 1 of 2 in cluster AL

OR SPILLS **1001969158**
OR HAZMAT **ORD060594587**
RCRA NonGen / NLR
FINDS
ECHO

Relative:
Higher

Actual:
47 ft.

OR SPILLS:

Facility ID:	2000-0550
Incident Status:	Archive
Material:	Products, manufacturing intermediates, etc.
Quantity:	200
Unit of Measure:	Gallons
Release Date:	03/12/2000
Description:	200 gals of caustic, oil & sludge released from caustic dip tank in shop. Ran out of shop & fire diked to contain. BES & PDX Fire advised RP to call CU contractor. Leak was caused by tank & valve failure. Shop was unattended weekend leak.
Lat/Long:	45.5105 / -122.655
Source:	Industrial Plant
Media:	On pavement/asphalt - not direct on soil
Responsible Company:	Not reported
Responsible Address:	Not reported
Responsible City,St,Zip:	Not reported

HAZMAT:

Responsble Party:	RON LARSON
RP Company:	PORT ENGINE REBUILD
RP Address:	1727 SE 11TH
RP City,St,Zip:	PORTLAND 97214

LARSONS AUTOMOTIVE (Continued) **1001969158**

Facility ID:	890170
OERS Number:	Not reported
Dept Rsp:	PORTLAND BUREAU OF F&R&EMS
Narrative:	Not reported
Property Loss:	Not reported
Amount Released:	Not reported
Service County:	Not reported
Service Name:	Not reported
Incident Type:	Not reported
Civilian Casualty Activity:	Not reported
Chemical Name:	Not reported
Hazmat Area Affected:	Not reported
Hazmat Area Evacuated:	Not reported
Hazmat Container Type:	Not reported
Hazmat Physical State Released:	Not reported
Hazmat Released Into:	Not reported
Hazmat Released Volume Units:	Not reported
Hazmat Released Weight Units:	Not reported
Hazmat Released From:	Not reported
Hazmat Area Affected Measurement:	Not reported
Hazmat No. of People Evacuated:	Not reported
Hazmat No of Buildings Evacuated:	Not reported
Incident Content Loss:	Not reported
Civilian Casualty Patient Disposition:	Not reported
Incident Mixed Use Property:	Not reported
Location Type:	Not reported
Incident Aid Given Or Received:	Not reported
Incident AID Received from FDID:	Not reported
Incident Aided Department FDID:	Not reported
Person Involved Business Name:	Not reported
Person Involved First Name:	Not reported
Person Involved Last Name:	Not reported
Person Involved Type:	Not reported
Person Involved Phone Number:	Not reported
Person Involved Primary Language:	Not reported
Hazmat Evacuated Measurement:	Not reported
Hazmat Story of Release:	Not reported
Remark:	Not reported
Incident District:	PORTLAND BUREAU OF F&R&EMS
Date Added:	01/01/1985
Unit:	Not reported
Agency Phone:	Not reported
Osfm Incident Report Number:	890170
Dept. Responding:	PORTLAND BUREAU OF F&R&EMS
Person Making Report:	Not reported
Title:	Not reported
Agency:	PORTLAND BUREAU OF F&R&EMS
Phone:	Not reported
Date Of Incident:	02/02/1989
Call Time:	12:00:00 AM
In Route:	12:00:00 AM
Arrival:	5:00:00 PM
Depart Scene:	12:00:00 AM
Back In Quarters:	12:00:00 AM
In Service:	6:02:00 PM
Dist Of Incident:	PORTLAND BUREAU OF F&R&EMS
Were State Resources Used?:	False

LARSONS AUTOMOTIVE (Continued) **1001969158**

Was Oers Notified?:	False
Oers Number:	Not reported
Team Number:	Not reported
Agency Report Number:	89-4684
Unit:	Not reported
Highway:	Not reported
Mile Post:	Not reported
Scene Type:	Public Road
Area Type:	Commercial
Responsible Party(les):	RON LARSON
Company:	PORT ENGINE REBUILD
Respcontact:	Not reported
Address:	1727 SE 11TH
Resp City:	PORTLAND
Resp State:	Not reported
Resp ZipCode:	97214
Phone:	Not reported
Resp Phone2:	Not reported
Weather:	0
Temperature:	0
Wind Speed:	0
Wind Direction:	Not reported
Were Haz Materials Released?:	True
Operation Performed:	Normal Operation
Cause:	Unknown
Vehicle And Cargo:	0
Fixed Property:	0
Total Loss:	$0.00
Hazmat Population Density:	Not reported
HazMat Actions Taken - Description:	Not reported
Hazmat Factors Contributing To Release:	Not reported
Hazmat DOT Hazard Classification:	Not reported
Hazmat CAS Number:	Not reported
Hazardous Materials Release:	Not reported
Fire Incident Type:	Not reported
Property Use:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Hazmat Disposition:	Not reported

Chemical:

Chemical Info:	5432
Chemical Id:	35430
Incident Id:	890170
Chemical Name:	UNKNOWN CHEMICAL
UNNA:	Not reported
Amount At Risk:	0
Amount Released:	0
Amount Measured:	0
Biological:	False
Radiological:	False

Chemical Id:	35430
Chemical Name:	UNKNOWN CHEMICAL
Hazardous Ingredient:	UNKNOWN CHEMICAL
Hazardous Class 1:	9.0
Hazardous Class 2:	Not reported
Hazardous Rank:	2

LARSONS AUTOMOTIVE (Continued) **1001969158**

Case Number:	Not reported
UNNA Number:	Not reported
EPA Pest Reg:	Not reported
EHA Chem:	Not reported
PSM Chem:	Not reported
CAA 112R Chem:	Not reported

Released:

Release Behavior Id:	3595
Incident Id:	890170
Behavior:	4

Responsble Party:	LARSON AUTOMOTIVE MACHINE SHOP
RP Company:	LARSON AUTOMOTIVE MACHINE SHOP
RP Address:	1727 SE 11TH AVE
RP City,St,Zip:	PORTLAND, OR 97214
Facility ID:	000085
OERS Number:	Not reported
Dept Rsp:	PORTLAND BUREAU OF F&R&EMS
Narrative:	Not reported
Property Loss:	Not reported
Amount Released:	Not reported
Service County:	Not reported
Service Name:	Not reported
Incident Type:	Not reported
Civilian Casualty Activity:	Not reported
Chemical Name:	Not reported
Hazmat Area Affected:	Not reported
Hazmat Area Evacuated:	Not reported
Hazmat Container Type:	Not reported
Hazmat Physical State Released:	Not reported
Hazmat Released Into:	Not reported
Hazmat Released Volume Units:	Not reported
Hazmat Released Weight Units:	Not reported
Hazmat Released From:	Not reported
Hazmat Area Affected Measurement:	Not reported
Hazmat No. of People Evacuated:	Not reported
Hazmat No of Buildings Evacuated:	Not reported
Incident Content Loss:	Not reported
Civilian Casualty Patient Disposition:	Not reported
Incident Mixed Use Property:	Not reported
Location Type:	Not reported
Incident Aid Given Or Received:	Not reported
Incident AID Received from FDID:	Not reported
Incident Aided Department FDID:	Not reported
Person Involved Business Name:	Not reported
Person Involved First Name:	Not reported
Person Involved Last Name:	Not reported
Person Involved Type:	Not reported
Person Involved Phone Number:	Not reported
Person Involved Primary Language:	Not reported
Hazmat Evacuated Measurement:	Not reported
Hazmat Story of Release:	Not reported
Remark:	Not reported
Incident District:	PORTLAND BUREAU OF F&R&EMS
Date Added:	04/21/2000

LARSONS AUTOMOTIVE (Continued) **1001969158**

Unit:	Not reported
Agency Phone:	5038233850
Osfm Incident Report Number:	000085
Dept. Responding:	PORTLAND BUREAU OF F&R&EMS
Person Making Report:	DAN PIZZO
Title:	LT
Agency:	PORTLAND BUREAU OF F&R&EMS
Phone:	5038233850
Date Of Incident:	03/12/2000
Call Time:	12:33:00 PM
In Route:	Not reported
Arrival:	12:39:00 PM
Depart Scene:	12:00:00 AM
Back In Quarters:	12:00:00 AM
In Service:	1:40:00 PM
Dist Of Incident:	PORTLAND BUREAU OF F&R&EMS
Were State Resources Used?:	False
Was Oers Notified?:	True
Oers Number:	Not reported
Team Number:	Not reported
Agency Report Number:	2000-11045
Unit:	Not reported
Highway:	Not reported
Mile Post:	Not reported
Scene Type:	Private Structure
Area Type:	Not reported
Responsible Party(Ies):	LARSON AUTOMOTIVE MACHINE SHOP
Company:	LARSON AUTOMOTIVE MACHINE SHOP
Respcontact:	Not reported
Address:	1727 SE 11TH AVE
Resp City:	PORTLAND
Resp State:	OR
Resp ZipCode:	97214
Phone:	5032301276
Resp Phone2:	Not reported
Weather:	0
Temperature:	0
Wind Speed:	0
Wind Direction:	Not reported
Were Haz Materials Released?:	True
Operation Performed:	Normal Operation
Cause:	Unknown
Vehicle And Cargo:	0
Fixed Property:	5000
Total Loss:	$5,000.00
Hazmat Population Density:	Not reported
HazMat Actions Taken - Description:	Not reported
Hazmat Factors Contributing To Release:	Not reported
Hazmat DOT Hazard Classification:	Not reported
Hazmat CAS Number:	Not reported
Hazardous Materials Release:	Not reported
Fire Incident Type:	Not reported
Property Use:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Hazmat Disposition:	Not reported

LARSONS AUTOMOTIVE (Continued) **1001969158**

Chemical:

Chemical Info:	738
Chemical Id:	6061
Incident Id:	000085
Chemical Name:	CAUSTIC SODA
UNNA:	Not reported
Amount At Risk:	500
Amount Released:	200
Amount Measured:	2
Biological:	False
Radiological:	False

Chemical Id:	6061
Chemical Name:	CAUSTIC SODA
Hazardous Ingredient:	SODIUM HYDROXIDE
Hazardous Class 1:	8.0
Hazardous Class 2:	6.3
Hazardous Rank:	2
Case Number:	1310732
UNNA Number:	1824
EPA Pest Reg:	Not reported
EHA Chem:	Not reported
PSM Chem:	Not reported
CAA 112R Chem:	Not reported

Method:

Method Used Id:	3399
Incident Id:	000085
Identity Method:	5

Released:

Release Behavior Id:	2850
Incident Id:	000085
Behavior:	4

Narrative:

Narrative Id:	432
Incident Id:	000085
Incident Narrative:	ARRIVED AND IDENTIFIED BUILDING OF ORIGIN. CALLED RESPONSIBLE PARTY. ERECTED SEVERAL DIRT DIKES TO CONTAIN FLOW. COVERED STORM DRAIN GRATE WITH PLASTIC AND RE-INSTALL. FORCED ENTRY. IDENTIFIED HOT TANK LEAK AND PLUGGED WITH WOOD TAPER PLUGS. ON ARRIVAL BY OWNER, BRIEFED RESPONSIBLE PARTY. RESPONSIBLE PARTY REMOVED PRODUCT TO BELOW LEAK LEVEL. FIND ENVIRONMENTAL CONTRACTORS IN YELLOW PAGES FOR OWNER. PHONE IN RADIO DISPATCH TO NOTIFY STATE SPILL AND CITY OF PORTLAND. LEFT SCENE ADVISING OWNER TO USE A CONTRACTOR.
Incident Date:	3/12/2000

RCRA NonGen / NLR:

Date form received by agency:	03/04/2002
Facility name:	PORTLAND ENGINE REBUILDERS
Facility address:	1727 SE 11TH PORTLAND, OR 97214
EPA ID:	ORD060594587

LARSONS AUTOMOTIVE (Continued) **1001969158**

Mailing address: 1001 SE HAWTHORNE BLVD
PORTLAND, OR 97214
Contact: RONALD LARSON
Contact address: 3859 S.W. CANBY ST
PORTLAND, OR 97219
Contact country: US
Contact telephone: (503) 244-3846
Contact email: Not reported
EPA Region: 10
Land type: Other land type
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: RONALD LARSON
Owner/operator address: 3859 S.W. CANBY ST
PORTLAND, OR 97219
Owner/operator country: US
Owner/operator telephone: (503) 244-3846
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/04/2002
Owner/Op end date: Not reported

Owner/operator name: RONALD LARSON
Owner/operator address: 3859 S.W. CANBY ST
PORTLAND, OR 97219
Owner/operator country: US
Owner/operator telephone: (503) 244-3846
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/04/2002
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/11/2001
Site name: PORTLAND ENGINE REBUILDERS
Classification: Not a generator, verified

LARSONS AUTOMOTIVE (Continued) **1001969158**

Date form received by agency: 01/14/2000
Site name: PORTLAND ENGINE REBUILDERS
Classification: Not a generator, verified

Date form received by agency: 01/20/1999
Site name: PORTLAND ENGINE REBUILDERS
Classification: Not a generator, verified

Date form received by agency: 05/05/1998
Site name: PORTLAND ENGINE REBUILDERS
Classification: Not a generator, verified

Date form received by agency: 01/16/1997
Site name: PORTLAND ENGINE REBUILDERS
Classification: Not a generator, verified

Date form received by agency: 04/23/1996
Site name: PORTLAND ENGINE REBUILDERS
Classification: Not a generator, verified

Date form received by agency: 04/20/1995
Site name: PORTLAND ENGINE REBUILDERS
Classification: Not a generator, verified

Date form received by agency: 03/31/1993
Site name: PORTLAND ENGINE REBUILDERS
Classification: Not a generator, verified

Date form received by agency: 03/30/1993
Site name: PORTLAND ENGINE REBUILDERS
Classification: Not a generator, verified

Date form received by agency: 04/01/1992
Site name: PORTLAND ENGINE REBUILDERS
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Facility Has Received Notices of Violations:
Regulation violated: SR - OAR 340-102-011(2)
Area of violation: Generators - General
Date violation determined: 03/15/2000
Date achieved compliance: 04/12/2000
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/24/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

LARSONS AUTOMOTIVE (Continued) **1001969158**

Evaluation Action Summary:
Evaluation date: 03/15/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/12/2000
Evaluation lead agency: State

FINDS:

Registry ID: 110004784760

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1001969158
Registry ID:	110004784760
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51057
Longitude:	-122.65501
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011021044
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	03/15/2000

LARSONS AUTOMOTIVE (Continued) **1001969158**

Days Last Inspection:	5667
Informal Count:	0
Date Last Informal Action:	03/24/2000
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD060594587
RCRA Permit Types:	Other

LARSONS AUTOMOTIVE (Continued) **1001969158**

RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	5667
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004784760
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	03/15/2000
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	03/24/2000
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

AD183 **MC DONALD DANL J** **EDR Hist Auto** **1009493111**
WSW **535 HAWTHORNE AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.177 mi.
937 ft. **Site 4 of 8 in cluster AD**

Relative:
Higher

Actual:
63 ft.

EDR Historical Auto Stations:

Name:	MC DONALD DANL J
Year:	1930
Type:	GASOLINE AND OIL SERVICE STATIONS

AA184 **HEATING OIL TANK** **OR LUST** **S105076023**
ESE **1513 SE MAPLE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.178 mi.
940 ft. **Site 3 of 5 in cluster AA**

Relative:
Higher

Actual:
50 ft.

LUST:

Region:	North Western Region
Facility ID:	26-01-6599
Cleanup Received Date:	07/30/2001
Cleanup Start Date:	07/27/2001
Cleanup Complete Date:	**03/08/2002**
Decode for Region:	**North West Region**

AM185 **PERRIN PROPERTY** **OR LUST** **S106475302**
NNW **931 SE 7TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.178 mi.
942 ft. **Site 1 of 10 in cluster AM**

Relative:
Higher

Actual:
46 ft.

LUST:

Region:	North Western Region
Facility ID:	26-04-0243
Cleanup Received Date:	02/24/2004
Cleanup Start Date:	02/24/2004
Cleanup Complete Date:	**03/09/2004**
Decode for Region:	**North West Region**

AL186 **EDR Hist Auto** **1009488225**
SSE **1731 SE 11TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.179 mi.
944 ft. **Site 2 of 2 in cluster AL**

Relative:
Higher

Actual:
47 ft.

EDR Historical Auto Stations:

Name:	PORTLAND ENGINE REBUILDERS
Year:	1985
Type:	AUTOMOBILE REPAIRING
Name:	PORTLAND ENGINE REBUILDERS
Year:	1999
Address:	1731 SE 11TH AVE

AC187 **EAST SIDE BODY AND FENDER WORKS** **EDR Hist Auto** **1009496287**
NNW **924 SE 7TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.179 mi.
944 ft. **Site 9 of 12 in cluster AC**

Relative:
Higher

Actual:
45 ft.

EDR Historical Auto Stations:

Name:	HALLADAY FLOYD R
Year:	1935
Type:	AUTOMOBILE REPAIRING
Name:	EAST SIDE BODY AND FENDER WORKS
Year:	1940
Type:	AUTOMOBILE REPAIRING

AA188
ESE
1/8-1/4
0.180 mi.
948 ft.

ZIMMERMAN C M
1390 HAWTHORNE AVE
PORTLAND, OR

Site 4 of 5 in cluster AA

EDR Hist Auto **1009486842**
N/A

Relative:
Higher

Actual:
51 ft.

EDR Historical Auto Stations:

Name:	ZIMMERMAN C M
Year:	1924
Type:	AUTOMOBILE SERVICE STATIONS

AH189
SSE
1/8-1/4
0.181 mi.
954 ft.

NEW LIFE CLEANERS
1711 SE 12TH AVE
PORTLAND, OR

Site 2 of 4 in cluster AH

EDR Hist Cleaner **1009477810**
N/A

Relative:
Higher

Actual:
48 ft.

EDR Historical Cleaners:

Name:	NEW LIFE CLEANERS
Year:	1950
Type:	CLEANERS AND DYERS
Name:	NEW LIFE CLEANERS
Year:	1955
Type:	CLEANERS AND DYERS
Name:	NEW LIFE CLEANERS
Year:	1960
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	NEW LIFE CLEANERS
Year:	1965
Type:	CLEANERS AND DYERS
Name:	NEW LIFE CLEANERS
Year:	1975
Type:	CLEANERS AND DYERS
Name:	NEW LIFE CLEANERS
Year:	1981
Type:	CLEANERS AND DYERS
Name:	NEW LIFE CLEANERS
Year:	1985
Type:	CLEANERS AND DYERS

AD190
SW
1/8-1/4
0.181 mi.
958 ft.

DORSEY MOTOR AND BRAKE CO
601 SE CLAY
PORTLAND, OR

Site 5 of 8 in cluster AD

EDR Hist Auto **1009493656**
N/A

Relative:
Higher

Actual:
64 ft.

EDR Historical Auto Stations:

Name:	DORSEY MOTOR AND BRAKE CO
Year:	1940
Type:	AUTOMOBILE REPAIRING

AE191
South
1/8-1/4
0.182 mi.
960 ft.

FREE GEEK
1731 SE 10TH AVENUE
PORTLAND, OR 97214

Site 5 of 5 in cluster AE

WA SWRCY **S111415785**
N/A

Relative:
Higher

Actual:
48 ft.

SWRCY:

Service:	Free Geek Community Technology Center
Phone:	503-232-9350
Extension:	Not reported
Website:	http://www.freegeek.org/
Email:	Available form on website
Material Category:	Electronics
Material Accepted:	CDs, diskettes, tapes
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	Tue-Sat 10am-6pm
Comments:	FREE GEEK accepts computers and computer related hardware in any condition. FREE GEEK does ask for a donation to help with processing costs. If you will be bringing in pallet loads of equipment, please call ahead and set up an appointment. Also takes scanners, mice, external modems, telephones, floppies, CDs, cables, DAT tapes, DVD players, IPODs, PDA's, video game equipment, cameras, and routers. In need of donations of tools, and cleaning and office supplies.

Service:	Free Geek Community Technology Center
Phone:	503-232-9350
Extension:	Not reported
Website:	http://www.freegeek.org/
Email:	Available form on website
Material Category:	Electronics
Material Accepted:	Cell phones
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	Tue-Sat 10am-6pm
Comments:	FREE GEEK accepts computers and computer related hardware in any condition. FREE GEEK does ask for a donation to help with processing costs. If you will be bringing in pallet loads of equipment, please call ahead and set up an appointment. Also takes scanners, mice, external modems, telephones, floppies, CDs, cables, DAT tapes, DVD players, IPODs, PDA's, video game equipment, cameras, and routers. In need of donations of tools, and cleaning and office supplies.

Service:	Free Geek Community Technology Center
Phone:	503-232-9350
Extension:	Not reported
Website:	http://www.freegeek.org/
Email:	Available form on website
Material Category:	Electronics
Material Accepted:	Circuit boards
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes

FREE GEEK (Continued) **S111415785**

Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	Tue-Sat 10am-6pm
Comments:	FREE GEEK accepts computers and computer related hardware in any condition. FREE GEEK does ask for a donation to help with processing costs. If you will be bringing in pallet loads of equipment, please call ahead and set up an appointment. Also takes scanners, mice, external modems, telephones, floppies, CDs, cables, DAT tapes, DVD players, IPODs, PDA's, video game equipment, cameras, and routers. In need of donations of tools, and cleaning and office supplies.
Service:	Free Geek Community Technology Center
Phone:	503-232-9350
Extension:	Not reported
Website:	http://www.freegeek.org/
Email:	Available form on website
Material Category:	Electronics
Material Accepted:	Computers
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	Tue-Sat 10am-6pm
Comments:	FREE GEEK accepts computers and computer related hardware in any condition. FREE GEEK does ask for a donation to help with processing costs. If you will be bringing in pallet loads of equipment, please call ahead and set up an appointment. Also takes scanners, mice, external modems, telephones, floppies, CDs, cables, DAT tapes, DVD players, IPODs, PDA's, video game equipment, cameras, and routers. In need of donations of tools, and cleaning and office supplies.
Service:	Free Geek Community Technology Center
Phone:	503-232-9350
Extension:	Not reported
Website:	http://www.freegeek.org/
Email:	Available form on website
Material Category:	Electronics
Material Accepted:	E-readers
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	Tue-Sat 10am-6pm
Comments:	FREE GEEK accepts computers and computer related hardware in any condition. FREE GEEK does ask for a donation to help with processing costs. If you will be bringing in pallet loads of equipment, please call ahead and set up an appointment. Also takes scanners, mice, external modems, telephones, floppies, CDs, cables, DAT tapes, DVD players, IPODs, PDA's, video game equipment, cameras, and routers. In need of donations of tools, and cleaning and office supplies.
Service:	Free Geek Community Technology Center
Phone:	503-232-9350
Extension:	Not reported
Website:	http://www.freegeek.org/

FREE GEEK (Continued) **S111415785**

Email:	Available form on website
Material Category:	Electronics
Material Accepted:	Fax machines
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	Tue-Sat 10am-6pm
Comments:	FREE GEEK accepts computers and computer related hardware in any condition. FREE GEEK does ask for a donation to help with processing costs. If you will be bringing in pallet loads of equipment, please call ahead and set up an appointment. Also takes scanners, mice, external modems, telephones, floppies, CDs, cables, DAT tapes, DVD players, IPODs, PDA's, video game equipment, cameras, and routers. In need of donations of tools, and cleaning and office supplies.
Service:	Free Geek Community Technology Center
Phone:	503-232-9350
Extension:	Not reported
Website:	http://www.freegeek.org/
Email:	Available form on website
Material Category:	Electronics
Material Accepted:	Keyboards
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	Tue-Sat 10am-6pm
Comments:	FREE GEEK accepts computers and computer related hardware in any condition. FREE GEEK does ask for a donation to help with processing costs. If you will be bringing in pallet loads of equipment, please call ahead and set up an appointment. Also takes scanners, mice, external modems, telephones, floppies, CDs, cables, DAT tapes, DVD players, IPODs, PDA's, video game equipment, cameras, and routers. In need of donations of tools, and cleaning and office supplies.
Service:	Free Geek Community Technology Center
Phone:	503-232-9350
Extension:	Not reported
Website:	http://www.freegeek.org/
Email:	Available form on website
Material Category:	Electronics
Material Accepted:	Monitors
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	Tue-Sat 10am-6pm
Comments:	FREE GEEK accepts computers and computer related hardware in any condition. FREE GEEK does ask for a donation to help with processing costs. If you will be bringing in pallet loads of equipment, please call ahead and set up an appointment. Also takes scanners, mice, external modems, telephones, floppies, CDs, cables, DAT tapes, DVD players, IPODs, PDA's, video game equipment, cameras, and routers. In

FREE GEEK (Continued) **S111415785**

need of donations of tools, and cleaning and office supplies.

Service:	Free Geek Community Technology Center
Phone:	503-232-9350
Extension:	Not reported
Website:	http://www.freegeek.org/
Email:	Available form on website
Material Category:	Electronics
Material Accepted:	Printers
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	Tue-Sat 10am-6pm
Comments:	FREE GEEK accepts computers and computer related hardware in any condition. FREE GEEK does ask for a donation to help with processing costs. If you will be bringing in pallet loads of equipment, please call ahead and set up an appointment. Also takes scanners, mice, external modems, telephones, floppies, CDs, cables, DAT tapes, DVD players, IPODs, PDA's, video game equipment, cameras, and routers. In need of donations of tools, and cleaning and office supplies.

Service:	Free Geek Community Technology Center
Phone:	503-232-9350
Extension:	Not reported
Website:	http://www.freegeek.org/
Email:	Available form on website
Material Category:	Electronics
Material Accepted:	Scanners
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	Tue-Sat 10am-6pm
Comments:	FREE GEEK accepts computers and computer related hardware in any condition. FREE GEEK does ask for a donation to help with processing costs. If you will be bringing in pallet loads of equipment, please call ahead and set up an appointment. Also takes scanners, mice, external modems, telephones, floppies, CDs, cables, DAT tapes, DVD players, IPODs, PDA's, video game equipment, cameras, and routers. In need of donations of tools, and cleaning and office supplies.

Service:	Free Geek Community Technology Center
Phone:	503-232-9350
Extension:	Not reported
Website:	http://www.freegeek.org/
Email:	Available form on website
Material Category:	Electronics
Material Accepted:	Stereo equipment
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	Tue-Sat 10am-6pm

FREE GEEK (Continued) **S111415785**

Comments:	FREE GEEK accepts computers and computer related hardware in any condition. FREE GEEK does ask for a donation to help with processing costs. If you will be bringing in pallet loads of equipment, please call ahead and set up an appointment. Also takes scanners, mice, external modems, telephones, floppies, CDs, cables, DAT tapes, DVD players, IPODs, PDA's, video game equipment, cameras, and routers. In need of donations of tools, and cleaning and office supplies.
Service:	Free Geek Community Technology Center
Phone:	503-232-9350
Extension:	Not reported
Website:	http://www.freegeek.org/
Email:	Available form on website
Material Category:	Electronics
Material Accepted:	Telephones
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	Tue-Sat 10am-6pm
Comments:	FREE GEEK accepts computers and computer related hardware in any condition. FREE GEEK does ask for a donation to help with processing costs. If you will be bringing in pallet loads of equipment, please call ahead and set up an appointment. Also takes scanners, mice, external modems, telephones, floppies, CDs, cables, DAT tapes, DVD players, IPODs, PDA's, video game equipment, cameras, and routers. In need of donations of tools, and cleaning and office supplies.
Service:	Free Geek Community Technology Center
Phone:	503-232-9350
Extension:	Not reported
Website:	http://www.freegeek.org/
Email:	Available form on website
Material Category:	Electronics
Material Accepted:	VCRs, DVD players
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	Tue-Sat 10am-6pm
Comments:	FREE GEEK accepts computers and computer related hardware in any condition. FREE GEEK does ask for a donation to help with processing costs. If you will be bringing in pallet loads of equipment, please call ahead and set up an appointment. Also takes scanners, mice, external modems, telephones, floppies, CDs, cables, DAT tapes, DVD players, IPODs, PDA's, video game equipment, cameras, and routers. In need of donations of tools, and cleaning and office supplies.

AD192 **FRANCIS MOTOR CAR COMPANY** **EDR Hist Auto** **1009492852**
WSW **509 SE HAWTHORNE BLVD** **N/A**
1/8-1/4 **PORTLAND, OR**
0.183 mi.
967 ft. **Site 6 of 8 in cluster AD**

Relative:
Higher

Actual:
64 ft.

EDR Historical Auto Stations:
Name: FRANCIS MOTOR CAR COMPANY
Year: 1960
Type: AUTOMOBILE REPAIRING

AD193 **SERVE U-GARAGE** **EDR Hist Auto** **1009493291**
WSW **558 HAWTHORNE AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.183 mi.
968 ft. **Site 7 of 8 in cluster AD**

Relative:
Higher

Actual:
64 ft.

EDR Historical Auto Stations:
Name: SERVE U-GARAGE
Year: 1930
Type: AUTOMOBILE GARAGES

AM194 **HEATING OIL TANK** **OR LUST** **S105711211**
NW **630 SE YAMHILL STREET** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.185 mi.
975 ft. **Site 2 of 10 in cluster AM**

Relative:
Higher

Actual:
50 ft.

LUST:
Region: North Western Region
Facility ID: 26-02-1224
Cleanup Received Date: 10/25/2002
Cleanup Start Date: 11/05/2002
Cleanup Complete Date: 01/14/2003
Decode for Region: North West Region

AI195 **HOME SERVICE CO** **EDR Hist Auto** **1009484983**
NW **1025 SE 6TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.185 mi.
977 ft. **Site 2 of 4 in cluster AI**

Relative:
Higher

Actual:
53 ft.

EDR Historical Auto Stations:
Name: HOME SERVICE CO
Year: 1935
Type: AUTOMOBILE REPAIRING

Name: HOMNIE SERVICE GARAGE
Year: 1940
Type: AUTOMOBILE GARAGES

Name: JAPANESE AUTO REPAIR
Year: 2001
Address: 1025 SE 6TH AVE

Name: JAPANESE AUTO REPAIR
Year: 2002

HOME SERVICE CO (Continued) **1009484983**

Address: 1025 SE 6TH AVE

Name: JAPANESE AUTO REPAIR
Year: 2003
Address: 1025 SE 6TH AVE

Name: JAPANESE AUTO REPAIR
Year: 2005
Address: 1025 SE 6TH AVE

Name: JAPANESE AUTO REPAIR
Year: 2006
Address: 1025 SE 6TH AVE

Name: JAPANESE AUTO REPAIR
Year: 2007
Address: 1025 SE 6TH AVE

Name: JAPANESE AUTO REPAIR
Year: 2008
Address: 1025 SE 6TH AVE

Name: JAPANESE AUTO REPAIR
Year: 2009
Address: 1025 SE 6TH AVE

Name: JAPANESE AUTO REPAIR
Year: 2010
Address: 1025 SE 6TH AVE

Name: JAPANESE AUTO REPAIR
Year: 2011
Address: 1025 SE 6TH AVE

Name: JAPANESE AUTO REPAIR
Year: 2012
Address: 1025 SE 6TH AVE

AM196 **AIR PRODUCTS AND CHEMICALS INC** **RCRA NonGen / NLR** **1001229640**
NNW **915 SE 7TH AVE** **FINDS** **ORQ000009050**
1/8-1/4 **PORTLAND, OR 97214** **ECHO**
0.185 mi.
977 ft. **Site 3 of 10 in cluster AM**

Relative:
Higher

Actual:
46 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/21/2003
Facility name: AIR PRODUCTS AND CHEMICALS INC
Facility address: 915 SE 7TH AVE
PORTLAND, OR 97214
EPA ID: ORQ000009050
Mailing address: 7201 HAMILTON BLVD
ALLENTOWN, PA 18195
Contact: TOM MEIER
Contact address: 915 SE 7TH AVE
PORTLAND, OR 97214
Contact country: US
Contact telephone: (503) 233-2571
Contact email: Not reported

AIR PRODUCTS AND CHEMICALS INC (Continued) **1001229640**

EPA Region: 10
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: AIR PRODUCTS AND CHEMICALS INC
Owner/operator address: 7201 HAMILTON BLVD
ALLENTOWN, PA 18195
Owner/operator country: US
Owner/operator telephone: (610) 481-3354
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/21/2003
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 06/14/2002
Site name: AIR PRODUCTS AND CHEMICALS INC
Classification: Not a generator, verified

Date form received by agency: 05/29/2002
Site name: AIR PRODUCTS AND CHEMICALS INC
Classification: Not a generator, verified

Date form received by agency: 01/28/2002
Site name: AIR PRODUCTS AND CHEMICALS INC
Classification: Not a generator, verified

Date form received by agency: 01/26/2001
Site name: AIR PRODUCTS AND CHEMICALS INC
Classification: Not a generator, verified

Date form received by agency: 02/07/2000
Site name: AIR PRODUCTS AND CHEMICALS INC
Classification: Not a generator, verified

Date form received by agency: 02/02/1999
Site name: AIR PRODUCTS AND CHEMICALS INC
Classification: Not a generator, verified

AIR PRODUCTS AND CHEMICALS INC (Continued) **1001229640**

Date form received by agency: 05/27/1998
Site name: AIR PRODUCTS AND CHEMICALS INC
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: LABP
. Waste name: LAB PACK

Violation Status: No violations found

FINDS:

Registry ID: 110004815497

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1001229640

AIR PRODUCTS AND CHEMICALS INC (Continued) **1001229640**

Registry ID:	110004815497
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.516427
Longitude:	-122.658679
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters:	50
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	170900120202
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011105
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported

AIR PRODUCTS AND CHEMICALS INC (Continued) **1001229640**

CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORQ000009050
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported

AIR PRODUCTS AND CHEMICALS INC (Continued) **1001229640**

GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004815497
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

AJ197 **OLDE GAS HOUSE THE** **EDR Hist Auto** **1009485901**
NNE **1206 SE BELMONT ST** **N/A**
1/8-1/4 **PORTLAND, OR**
0.185 mi.
978 ft. **Site 2 of 5 in cluster AJ**

Relative:
Higher

Actual:
71 ft.

EDR Historical Auto Stations:

Name:	OLDE GAS HOUSE THE
Year:	1975
Type:	GASOLINE STATIONS

AJ198 **NU WAY AUTO LAUNDRY** **EDR Hist Auto** **1009485900**
NNE **1206 SE BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.185 mi.
978 ft. **Site 3 of 5 in cluster AJ**

Relative:
Higher

Actual:
71 ft.

EDR Historical Auto Stations:

Name:	NU WAY AUTO LAUNDRY AND SERVICE STATION
Year:	1935
Type:	AUTOMOBILE LAUNDRIES
Name:	NU WAY AUTO LAUNDRY AND SERVICE STATION
Year:	1935
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	NU WAY AUTO LAUNDRY
Year:	1940
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	NU WAY AUTO LAUNDRY
Year:	1940
Type:	AUTOMOBILE LAUNDRIES

AA199
ESE
1/8-1/4
0.186 mi.
981 ft.

KIRBY CLEANERS — **EDR Hist Cleaner** — **1009476992**
1413 SE HAWTHORNE BLVD — **N/A**
PORTLAND, OR

Site 5 of 5 in cluster AA

Relative:
Higher

Actual:
52 ft.

EDR Historical Cleaners:

Name:	KIRBY CLEANERS
Year:	1950
Type:	CLEANERS AND DYERS
Name:	KIRBY CLEANERS
Year:	1955
Type:	CLEANERS AND DYERS
Name:	KIRBY CLEANERS
Year:	1960
Type:	CLOTHES PRESSERS AND CLEANERS
Name:	KIRBY CLEANERS
Year:	1965
Type:	CLEANERS AND DYERS
Name:	KIRBY CLEANERS
Year:	1970
Type:	CLEANERS AND DYERS

AN200
SE
1/8-1/4
0.188 mi.
993 ft.

HEATING OIL TANK — **OR LUST** — **S113907230**
1620 SE LADD AVE — **N/A**
PORTLAND, OR 97214

Site 1 of 5 in cluster AN

Relative:
Higher

Actual:
49 ft.

LUST:

Region:	North Western Region
Facility ID:	26-13-0843
Cleanup Received Date:	06/28/2013
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**10/16/2013**
Decode for Region:	**North West Region**

AD201
WSW
1/8-1/4
0.188 mi.
994 ft.

REEDY H S — **EDR Hist Cleaner** — **1009481177**
487 HAWTHORNE AVE — **N/A**
PORTLAND, OR

Site 8 of 8 in cluster AD

Relative:
Higher

Actual:
64 ft.

EDR Historical Cleaners:

Name:	REEDY H S
Year:	1924
Type:	CLEANERS, DYERS AND PRESSERS

AC202 **AMERICAN GARAGE** **EDR Hist Auto** **1009494517**
NNW **712 SE BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.188 mi.
995 ft. **Site 10 of 12 in cluster AC**

Relative:
Higher

Actual:
45 ft.

EDR Historical Auto Stations:

Name:	AMERICAN GARAGE
Year:	1935
Type:	AUTOMOBILE GARAGES
Name:	AMERICAN GARAGE
Year:	1940
Type:	AUTOMOBILE REPAIRING
Name:	AMERICAN GARAGE
Year:	1950
Type:	AUTOMOBILE REPAIRING
Name:	G AND S GARAGE
Year:	1955
Type:	AUTO GARAGES

AO203 **SAW REPAIR AND SUPPLY** **OR UST** **U003115556**
SSW **1713 SE 17TH AVENUE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.188 mi.
995 ft. **Site 1 of 2 in cluster AO**

Relative:
Higher

Actual:
62 ft.

UST:

Facility ID:	11633
Facility Telephone:	-503
Permittee Name:	MICHAEL BRUCKNER
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	1
Number of Tanks:	1

AP204 **HEATING OIL TANK** **OR LUST** **S105981292**
ENE **1413 SE SALMON** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.188 mi.
995 ft. **Site 1 of 4 in cluster AP**

Relative:
Higher

Actual:
67 ft.

LUST:

Region:	North Western Region
Facility ID:	26-03-1361
Cleanup Received Date:	07/11/2003
Cleanup Start Date:	07/11/2003
Cleanup Complete Date:	**09/05/2003**
Decode for Region:	**North West Region**

AC205 **JUSTIN S SIGNAL STATION** **EDR Hist Auto** **1009494699**
NNW **733 SE BELMONT ST** **N/A**
1/8-1/4 **PORTLAND, OR**
0.189 mi.
999 ft. **Site 11 of 12 in cluster AC**

Relative:
Higher

Actual:
44 ft.

EDR Historical Auto Stations:

Name:	JUSTIN S SIGNAL STATION
Year:	1965
Type:	GASOLINE STATIONS

AC206 **JUSTEN SIGNAL SERVICE** **EDR Hist Auto** **1009494698**
NNW **733 SE BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.189 mi.
999 ft. **Site 12 of 12 in cluster AC**

Relative:
Higher

Actual:
44 ft.

EDR Historical Auto Stations:

Name:	WILLINGER MAURICE
Year:	1935
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	LONG AND GROSHENS
Year:	1940
Type:	AUTOMOBILE REPAIRING
Name:	LONG AND GROSHENS
Year:	1940
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	WILLINGER S COMPETITIVE SERVICE STATIONS
Year:	1940
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	JUSTEN SIGNAL SERVICE
Year:	1950
Type:	GASOLINE STATIONS
Name:	JUSTEN SIGNAL SERVICE
Year:	1955
Type:	GASOLINE STATIONS
Name:	JUSTEN SIGNAL SERVICE
Year:	1960
Type:	GASOLINE STATIONS

AH207 **COLUMBIA TRANSMISSION CO** **EDR Hist Auto** **1009488256**
SSE **1737 SE 12TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.190 mi.
1004 ft. **Site 3 of 4 in cluster AH**

Relative:
Higher

Actual:
48 ft.

EDR Historical Auto Stations:

Name:	HENRY S AUTOMOBILE AND TRUCK SERVICE
Year:	1965
Type:	AUTOMOBILE REPAIRING
Name:	COLUMBIA TRANSMISSION CO

COLUMBIA TRANSMISSION CO (Continued) **1009488256**

Year: 1981
Type: AUTOMOBILE REPAIRING

Name: COLUMBIA TRANSMISION CO
Year: 1985
Type: AUTOMOBILE REPAIRING

Name: COLUMBIA TRANSMISSION COMPANY
Year: 1999
Address: 1737 SE 12TH AVE

Name: COLUMBIA TRANSMISSION CO
Year: 2003
Address: 1737 SE 12TH AVE

Name: COLUMBIA TRANSMISSION CO CORP
Year: 2007
Address: 1737 SE 12TH AVE

Name: COLUMBIA TRANSMISSION CO CORP
Year: 2008
Address: 1737 SE 12TH AVE

Name: COLUMBIA TRANSMISSION CO CORP
Year: 2009
Address: 1737 SE 12TH AVE

Name: COLUMBIA TRANSMISSION CO
Year: 2010
Address: 1737 SE 12TH AVE

AH208 **HEATING OIL TANK** **OR LUST** **S103416121**
SSE **1737 SE 12TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.190 mi.
1004 ft. **Site 4 of 4 in cluster AH**

Relative:
Higher

Actual:
48 ft.

LUST:
Region: North Western Region
Facility ID: 26-01-5803
Cleanup Received Date: 05/01/2001
Cleanup Start Date: 04/26/2001
Cleanup Complete Date: 08/23/2001
Decode for Region: North West Region

AJ209 **HEATING OIL TANK** **OR LUST** **S105247448**
NNE **1224 SE BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.190 mi.
1005 ft. **Site 4 of 5 in cluster AJ**

Relative:
Higher

Actual:
73 ft.

LUST:
Region: North Western Region
Facility ID: 26-02-5295
Cleanup Received Date: 02/22/2002
Cleanup Start Date: 02/20/2002

HEATING OIL TANK (Continued) **S105247448**

Cleanup Complete Date: 04/25/2006
Decode for Region: North West Region

AQ210 **PRECISION AUTOMOTIVE SERVICE** **EDR Hist Auto** **1009493007**
West **524 SE MAIN ST** **N/A**
1/8-1/4 **PORTLAND, OR**
0.191 mi.
1007 ft. **Site 1 of 5 in cluster AQ**

Relative:
Higher

Actual:
61 ft.

EDR Historical Auto Stations:
Name: PRECISION AUTOMOTIVE SERVICE
Year: 1970
Type: AUTOMOBILE REPAIRING

AR211 **HEATING OIL TANK** **OR LUST** **S117565623**
NE **1318 SE YAMHILL ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.191 mi.
1011 ft. **Site 1 of 4 in cluster AR**

Relative:
Higher

Actual:
72 ft.

LUST:
Region: North Western Region
Facility ID: 26-14-1456
Cleanup Received Date: 10/22/2014
Cleanup Start Date: Not reported
Cleanup Complete Date: 08/19/2015
Decode for Region: North West Region

AS212 **AMAZON MOTORS** **EDR Hist Auto** **1009487819**
SW **1611 SE 6TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.191 mi.
1011 ft. **Site 1 of 7 in cluster AS**

Relative:
Higher

Actual:
65 ft.

EDR Historical Auto Stations:
Name: AMAZON MOTORS
Year: 1985
Type: AUTOMOBILE REPAIRING

Name: BRIGHT AUTO UPHOLSTERY
Year: 2001
Address: 1611 SE 6TH AVE

Name: BRIGHT AUTO UPHOLSTERY
Year: 2005
Address: 1611 SE 6TH AVE

Name: BRIGHT AUTO UPHOLSTERY
Year: 2006
Address: 1611 SE 6TH AVE

Name: BRIGHT AUTO UPHOLSTERY
Year: 2008
Address: 1611 SE 6TH AVE

AMAZON MOTORS (Continued) **1009487819**

Name: BRIGHT AUTO UPHOLSTERY
Year: 2009
Address: 1611 SE 6TH AVE

Name: BRIGHT AUTO UPHOLSTERY
Year: 2010
Address: 1611 SE 6TH AVE

Name: BRIGHT AUTO UPHOLSTERY
Year: 2011
Address: 1611 SE 6TH AVE

Name: BRIGHT AUTO UPHOLSTERY
Year: 2012
Address: 1611 SE 6TH AVE

AT213 **TRIANGLE SERVICE AND MARKET** **EDR Hist Auto** **1009487019**
ESE **1420 SE HAWTHORNE BLVD** **N/A**
1/8-1/4 **PORTLAND, OR**
0.192 mi.
1012 ft. **Site 1 of 4 in cluster AT**

Relative:
Higher

Actual:
51 ft.

EDR Historical Auto Stations:
Name: TRIANGLE SERVICE AND MARKET
Year: 1935
Type: GASOLINE AND OIL SERVICE STATIONS

AM214 **KING T G AUTO SERVICE** **EDR Hist Auto** **1009494402**
NNW **700 SE BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.192 mi.
1012 ft. **Site 4 of 10 in cluster AM**

Relative:
Higher

Actual:
45 ft.

EDR Historical Auto Stations:
Name: KING T G AUTO SERVICE
Year: 1935
Type: AUTOMOBILE REPAIRING

Name: KING AUTOMOTIVE SERVICE
Year: 1940
Type: AUTOMOBILE REPAIRING

Name: AMERICAN GARAGE
Year: 1950
Type: AUTOMOBILE REPAIRING

Name: EXHAUST SPECIALTIES & BRAKES
Year: 2003
Address: 700 SE BELMONT ST

AT215 **JERRY HERING** **OR LUST** **S112225348**
ESE **1426 SE HAWTHORNE BOULEVARD** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.192 mi.
1014 ft. **Site 2 of 4 in cluster AT**

Relative:
Higher

Actual:
52 ft.

LUST:

Region:	North Western Region
Facility ID:	26-12-0791
Cleanup Received Date:	07/05/2012
Cleanup Start Date:	06/27/2012
Cleanup Complete Date:	**09/05/2012**
Decode for Region:	**North West Region**

AS216 **TILLER ENTERPRISES** **EDR Hist Auto** **1009487831**
SW **1613 SE 6TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.192 mi.
1014 ft. **Site 2 of 7 in cluster AS**

Relative:
Higher

Actual:
65 ft.

EDR Historical Auto Stations:

Name:	TILLER ENTERPRISES
Year:	1975
Type:	AUTOMOBILE REPAIRING

AS217 **LA TOSH WIPING RAG LAUNDRY** **EDR Hist Cleaner** **1009477580**
SW **1613 SE 6TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.192 mi.
1014 ft. **Site 3 of 7 in cluster AS**

Relative:
Higher

Actual:
65 ft.

EDR Historical Cleaners:

Name:	LA TOSH WIPING RAG LAUNDRY
Year:	1970
Type:	LAUNDRIES

AT218 **HEATING OIL TANK** **OR LUST** **S105711367**
ESE **1529 SE MAPLE AVENUE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.193 mi.
1020 ft. **Site 3 of 4 in cluster AT**

Relative:
Higher

Actual:
50 ft.

LUST:

Region:	North Western Region
Facility ID:	26-02-1459
Cleanup Received Date:	12/04/2002
Cleanup Start Date:	12/17/2002
Cleanup Complete Date:	**02/13/2003**
Decode for Region:	**North West Region**

AQ219 **KNEZ BUILDING MATERIALS** **WA SWRCY** **S114404086**
West **519 SE MAIN ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.193 mi.
1020 ft. **Site 2 of 5 in cluster AQ**

Relative:
Higher

Actual:
61 ft.

SWRCY:

Service:	Knez Building Materials
Phone:	503-232-6603
Extension:	Not reported
Website:	http://knezinc.com/
Email:	Not reported
Material Category:	Building Materials
Material Accepted:	Gypsum, drywall
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	Mon-Fri 6:30am-4pm
Comments:	Only take unused board scraps that have not been previously intalled. Must have no paint, nails/screws, or metal trims.

AF220 **P M X INC** **EDR Hist Auto** **1009495333**
North **813 SE 10TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.194 mi.
1024 ft. **Site 9 of 9 in cluster AF**

Relative:
Higher

Actual:
54 ft.

EDR Historical Auto Stations:

Name:	P M X INC
Year:	1985
Type:	AUTOMOBILE REPAIRING

AG221 **OLIVER & THOMPSON INC.** **OR UST** **U000432721**
WNW **1136 SE GRAND AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.195 mi.
1027 ft. **Site 3 of 3 in cluster AG**

Relative:
Higher

Actual:
56 ft.

UST:

Facility ID:	3646
Facility Telephone:	(503)233-5065
Permittee Name:	ROBERT THOMPSON, PRESIDENT
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	1
Number of Tanks:	1

AU222
NW
1/8-1/4
0.195 mi.
1028 ft.

STANDARD SUPPLY COMPANY
934 SE 6TH AVE
PORTLAND, OR 97214

Site 1 of 2 in cluster AU

OR UST **U001330335**
N/A

Relative:
Higher

Actual:
51 ft.

UST:

Facility ID:	5975
Facility Telephone:	(503) 235-5721
Permittee Name:	ROBERT J. BREITBARTH, PRESIDENT
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	1
Number of Tanks:	1

AS223
SW
1/8-1/4
0.195 mi.
1028 ft.

INDUSTRIAL GASKET INC
1623 SE 6TH AVE
PORTLAND, OR 97214

Site 4 of 7 in cluster AS

RCRA NonGen / NLR **1000428546**
FINDS **ORD065272676**
ECHO

Relative:
Higher

Actual:
65 ft.

RCRA NonGen / NLR:

Date form received by agency:	08/19/1980
Facility name:	INDUSTRIAL GASKET INC
Facility address:	1623 SE 6TH AVE PORTLAND, OR 97214
EPA ID:	ORD065272676
Mailing address:	SE 6TH AVE PORTLAND, OR 97214
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

INDUSTRIAL GASKET INC (Continued) **1000428546**

Registry ID: 110004785331

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1000428546
Registry ID:	110004785331
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51103
Longitude:	-122.66008
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011021016
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N

INDUSTRIAL GASKET INC (Continued) **1000428546**

SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD065272676
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported

INDUSTRIAL GASKET INC (Continued) **1000428546**

SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004785331
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

AQ224 **WILLAMETTE WHEEL** **EDR Hist Auto** **1009492927**
West **515 SE MAIN** **N/A**
1/8-1/4 **PORTLAND, OR**
0.195 mi.
1030 ft. **Site 3 of 5 in cluster AQ**

Relative:
Higher

Actual:
61 ft.

EDR Historical Auto Stations:

Name:	WILLAMETTE WHEEL
Year:	1950
Type:	AUTOMOBILE REPAIRING

AN225 **HEATING OIL TANK** **OR LUST** **S109052147**
SE **1638 SE LADD AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.196 mi.
1033 ft. **Site 2 of 5 in cluster AN**

Relative:
Higher

Actual:
50 ft.

LUST:

Region:	North Western Region
Facility ID:	26-08-0300
Cleanup Received Date:	03/21/2008
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**04/17/2008**
Decode for Region:	**North West Region**

AK226 **HEATING OIL TANK** **OR LUST** **S116735359**
ESE **1435 SE HAWTHORNE BLVD** **OR UIC** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.196 mi.
1034 ft. **Site 2 of 4 in cluster AK**

Relative:
Higher

Actual:
52 ft.

LUST:

Region:	North Western Region
Facility ID:	26-14-0693
Cleanup Received Date:	06/04/2014
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**09/16/2014**
Decode for Region:	**North West Region**

OR UIC:

UIC Well #:	1
Type:	5D2
Type Description:	Storm Water Drainage
Status:	Active
UIC Number:	14923
Facility Status:	Registered & RA
Lat/Long:	45.512299 / -122.651

AM227 **HALL BERT SERVICE STATION** **EDR Hist Auto** **1009494413**
NNW **701 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.198 mi.
1044 ft. **Site 5 of 10 in cluster AM**

Relative:
Higher

Actual:
45 ft.

EDR Historical Auto Stations:

Name:	HALL BERT SERVICE STATION
Year:	1930
Type:	GASOLINE AND OIL SERVICE STATIONS

AN228 **HEATING OIL TANK** **OR LUST** **S108572940**
SE **1644 SE LADD AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.198 mi.
1046 ft. **Site 3 of 5 in cluster AN**

Relative:
Higher

Actual:
50 ft.

LUST:

Region:	North Western Region
Facility ID:	26-07-0894
Cleanup Received Date:	06/20/2007
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**10/08/2007**
Decode for Region:	**North West Region**

AP229 **HEATING OIL TANK** **OR LUST** **S104658175**
ENE **1435 SE SALMON ST.** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.198 mi.
1048 ft. **Site 2 of 4 in cluster AP**

Relative:
Higher

Actual:
69 ft.

LUST:

Region:	North Western Region
Facility ID:	26-00-0706
Cleanup Received Date:	05/10/2000
Cleanup Start Date:	05/12/2000
Cleanup Complete Date:	**05/31/2000**
Decode for Region:	**North West Region**

AV230 **PEPPER BOX CAFE** **OR LUST** **S118347790**
North **932-940 SE MORRISON STREET** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.199 mi.
1050 ft. **Site 1 of 6 in cluster AV**

Relative:
Higher

Actual:
48 ft.

LUST:

Region:	North Western Region
Facility ID:	26-15-1296
Cleanup Received Date:	09/14/2015
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

AV231 **EDR Hist Auto** **1009496299**
North **926 SE MORRISON ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.199 mi.
1050 ft. **Site 2 of 6 in cluster AV**

Relative:
Higher

Actual:
48 ft.

EDR Historical Auto Stations:

Name:	CHIEF OF BRAKES AND AUTOMOTIVE SERV
Year:	1975
Type:	AUTOMOBILE REPAIRING
Name:	A & G AUTOMOTIVE
Year:	2001
Address:	926 SE MORRISON ST
Name:	FREDS AUTOWORKS INC
Year:	2002
Address:	926 SE MORRISON ST
Name:	FREDS AUTO WORKS WHY DOESNT YO INC
Year:	2003
Address:	926 SE MORRISON ST
Name:	A & G AUTOMOTIVE
Year:	2004
Address:	926 SE MORRISON ST
Name:	A & G AUTOMOTIVE
Year:	2006
Address:	926 SE MORRISON ST

(Continued) **1009496299**

Name: GURRR8 AUTO REPAIR INC
Year: 2007
Address: 926 SE MORRISON ST

Name: GREEN OVAL MOTORS
Year: 2010
Address: 926 SE MORRISON ST

AW232 **CONTROL CONTRACTORS** **OR UST** **U000432677**
NNE **1235 SE BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.199 mi.
1052 ft. **Site 1 of 8 in cluster AW**

Relative:
Higher

Actual:
74 ft.

UST:
Facility ID: 4393
Facility Telephone: (503)234-7201
Permittee Name: AL LUCAS, OWNER
Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 2
Number of Tanks: 2

AM233 **BELMONT SERVICE STATION** **EDR Hist Auto** **1009494378**
NNW **695 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.200 mi.
1054 ft. **Site 6 of 10 in cluster AM**

Relative:
Higher

Actual:
45 ft.

EDR Historical Auto Stations:
Name: RICHARDSON M E
Year: 1924
Type: AUTOMOBILE SERVICE STATIONS

Name: BELMONT SERVICE STATION
Year: 1930
Type: GASOLINE AND OIL SERVICE STATIONS

AQ234 **RED S AUBURN CORD SERVICE** **EDR Hist Auto** **1009486098**
WNW **1238 SE GRAND AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.200 mi.
1056 ft. **Site 4 of 5 in cluster AQ**

Relative:
Higher

Actual:
58 ft.

EDR Historical Auto Stations:
Name: SHULTZ JOE I
Year: 1935
Type: AUTOMOBILE REPAIRING

Name: RED S AUBURN CORD SERVICE
Year: 1940
Type: AUTOMOBILE REPAIRING

AX235 **MULTNOMAH COUNTY** **OR LUST** **U003158907**
North **1040 SE MORRISON ST** **OR UST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.201 mi.
1060 ft. **Site 1 of 6 in cluster AX**

Relative:
Higher

Actual:
58 ft.

LUST:

Region:	North Western Region
Facility ID:	26-97-0232
Cleanup Received Date:	03/25/1997
Cleanup Start Date:	03/19/1997
Cleanup Complete Date:	**01/31/2001**
Decode for Region:	**North West Region**

UST:

Facility ID:	11676
Facility Telephone:	(503)248-3322
Permittee Name:	MIKE MCBRIDE
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	2
Number of Tanks:	2

AW236 **GREINER S GARAGE** **EDR Hist Auto** **1009486181**
NE **1258 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.201 mi.
1060 ft. **Site 2 of 8 in cluster AW**

Relative:
Higher

Actual:
76 ft.

EDR Historical Auto Stations:

Name:	GREINER S GARAGE
Year:	1930
Type:	AUTOMOBILE GARAGES

AW237 **LAURELHURST CLEANERS AND DYERS** **EDR Hist Cleaner** **1009476355**
NE **1260 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.201 mi.
1063 ft. **Site 3 of 8 in cluster AW**

Relative:
Higher

Actual:
76 ft.

EDR Historical Cleaners:

Name:	LAURELHURST CLEANING AND DYEING WKS
Year:	1924
Type:	CLEANERS, DYERS AND PRESSERS
Name:	LAURELHURST CLEANERS AND DYERS
Year:	1930
Type:	CLEANERS GARMENTS CURTAINS AND DRAPERIES

AV238 **YALE UNION LAUNDRY** **EDR Hist Cleaner** **1009482972**
North **800 SE 10TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.202 mi.
1064 ft. **Site 3 of 6 in cluster AV**

Relative:
Higher

Actual:
55 ft.

EDR Historical Cleaners:

Name:	YALE UNION LAUNDRY
Year:	1935
Type:	LAUNDRIES

AW239 **LARRY S GARAGE** **EDR Hist Auto** **1009486158**
NE **1251 BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.204 mi.
1077 ft. **Site 4 of 8 in cluster AW**

Relative:
Higher

Actual:
75 ft.

EDR Historical Auto Stations:

Name:	LARRY S GARAGE
Year:	1930
Type:	AUTOMOBILE GARAGES

AT240 **HEATING OIL TANK** **OR LUST** **S106777279**
ESE **1541 SE MAPLE AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.205 mi.
1083 ft. **Site 4 of 4 in cluster AT**

Relative:
Higher

Actual:
51 ft.

LUST:

Region:	North Western Region
Facility ID:	26-04-1852
Cleanup Received Date:	09/14/2004
Cleanup Start Date:	09/15/2004
Cleanup Complete Date:	**07/13/2005**
Decode for Region:	**North West Region**

AP241 **HEATING OIL TANK** **OR LUST** **S105556412**
ENE **1414 SE TAYLOR** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.206 mi.
1088 ft. **Site 3 of 4 in cluster AP**

Relative:
Higher

Actual:
71 ft.

LUST:

Region:	North Western Region
Facility ID:	26-02-0518
Cleanup Received Date:	07/25/2002
Cleanup Start Date:	07/25/2002
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

AR242 **HEATING OIL TANK** **OR LUST** **S105556447**
NE **923 SE 13TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.206 mi.
1089 ft. **Site 2 of 4 in cluster AR**

Relative:
Higher

Actual:
77 ft.

LUST:

Region:	North Western Region
Facility ID:	26-02-0573
Cleanup Received Date:	08/06/2002
Cleanup Start Date:	08/06/2002
Cleanup Complete Date:	**03/18/2003**
Decode for Region:	**North West Region**

AV243 **MAR-LAC DISTRIBUTORS COMPANY** **RCRA NonGen / NLR** **1004771585**
North **1001 SE MORRISON ST** **FINDS** **ORQ000011080**
1/8-1/4 **PORTLAND, OR 97214** **ECHO**
0.207 mi.
1092 ft. **Site 4 of 6 in cluster AV**

Relative:
Higher

Actual:
56 ft.

RCRA NonGen / NLR:

Date form received by agency:	04/03/2002
Facility name:	MAR-LAC DISTRIBUTORS COMPANY
Facility address:	1001 SE MORRISON ST PORTLAND, OR 97214
EPA ID:	ORQ000011080
Mailing address:	PO BOX 1896 AUBURN, WA 98001
Contact:	NO DATA ENTERED NO DATA ENTERED
Contact address:	PO BOX 1896 AUBURN, WA 98001
Contact country:	US
Contact telephone:	(206) 322-2686
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MAR-LAC DISTRIBUTING CO
Owner/operator address:	PO BOX 1896 AUBURN, WA 98001
Owner/operator country:	US
Owner/operator telephone:	(206) 322-2686
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	04/03/2002
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No

MAR-LAC DISTRIBUTORS COMPANY (Continued) **1004771585**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/14/2001
Site name: MAR-LAC DISTRIBUTORS COMPANY
Classification: Not a generator, verified

Date form received by agency: 05/11/2000
Site name: MAR-LAC DISTRIBUTORS COMPANY
Classification: Not a generator, verified

Date form received by agency: 01/28/1999
Site name: MAR-LAC DISTRIBUTORS COMPANY
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004817253

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:
Envid: 1004771585
Registry ID: 110004817253
FIPS Code: 41051
EPA Region: 10
Indian Country Flag: N
Federal Flag: Not reported
US Mexico Border Flag: Not reported
Chesapeake Bay Flag: Not reported
NAA Flag: Not reported
Latitude: 45.51758
Longitude: -122.65535

MAR-LAC DISTRIBUTORS COMPANY (Continued) **1004771585**

Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011026
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported

MAR-LAC DISTRIBUTORS COMPANY (Continued) **1004771585**

CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORQ000011080
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004817253
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported

MAR-LAC DISTRIBUTORS COMPANY (Continued) **1004771585**

Facility Federal Agency: Not reported
TRI Reporter: Not reported
Facility IMP Water Flag: Not reported

AV244 **WHITE S AL ALIGNMENT SERVICE** **EDR Hist Auto** **1009484771**
North **1001 SE MORRISON** **N/A**
1/8-1/4 **PORTLAND, OR**
0.207 mi.
1092 ft. **Site 5 of 6 in cluster AV**

Relative:
Higher

Actual:
56 ft.

EDR Historical Auto Stations:
Name: WHITE S AL ALIGNMENT SERVICE
Year: 1955
Type: AUTOMOBILE REPAIRING

AY245 **DAVIS MARION AUTO SERVICE** **EDR Hist Auto** **1009486969**
West **1411 SE GRAND AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.207 mi.
1094 ft. **Site 1 of 2 in cluster AY**

Relative:
Higher

Actual:
64 ft.

EDR Historical Auto Stations:
Name: DAVIS MARION AUTO SERVICE
Year: 1950
Type: AUTOMOBILE REPAIRING

AQ246 **LOW S AUTOMOTIVE SERVICE** **EDR Hist Auto** **1009486583**
West **1325 SE GRAND AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.207 mi.
1094 ft. **Site 5 of 5 in cluster AQ**

Relative:
Higher

Actual:
61 ft.

EDR Historical Auto Stations:
Name: LOW S AUTOMOTIVE SERVICE
Year: 1940
Type: AUTOMOBILE REPAIRING

AO247 **SURBURBIA STUDIOS** **OR LUST** **U004127300**
SW **632 SE MARKET ST** **OR UST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.207 mi.
1095 ft. **Site 2 of 2 in cluster AO**

Relative:
Higher

Actual:
65 ft.

LUST:
Region: North Western Region
Facility ID: 26-08-1342
Cleanup Received Date: 10/10/2008
Cleanup Start Date: 10/06/2008
Cleanup Complete Date: 10/29/2010
Decode for Region: North West Region

UST:
Facility ID: 12340

SURBURBIA STUDIOS (Continued) **U004127300**

Facility Telephone: (503) 710-7352
Permittee Name: MARK JACOBS
Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 1
Number of Tanks: 1

AI248 **EDR Hist Auto** **1015537958**
WNW **521 SE TAYLOR ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.208 mi.
1098 ft. **Site 3 of 4 in cluster AI**

Relative:
Higher

Actual:
55 ft.

EDR Historical Auto Stations:

Name: DETAILZ AUTO DETAILING
Year: 2006
Address: 521 SE TAYLOR ST

Name: DETAILZ AUTO DETAILING
Year: 2007
Address: 521 SE TAYLOR ST

Name: DETAILZ AUTO DETAILING
Year: 2008
Address: 521 SE TAYLOR ST

AR249 **HEATING OIL TANK** **OR LUST** **S106777546**
ENE **1035 SE 14 AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.208 mi.
1099 ft. **Site 3 of 4 in cluster AR**

Relative:
Higher

Actual:
74 ft.

LUST:

Region: North Western Region
Facility ID: 26-04-2280
Cleanup Received Date: 11/11/2004
Cleanup Start Date: 11/15/2004
Cleanup Complete Date: 04/29/2005
Decode for Region: North West Region

AZ250 **MR FORMAL INC** **RCRA-CESQG** **1008196083**
WNW **1205 SE GRAND AVE** **OR ECSI** **ORQ000022806**
1/8-1/4 **PORTLAND, OR 97214** **OR VCP**
0.209 mi. **OR MANIFEST**
1102 ft. **Site 1 of 2 in cluster AZ**

Relative:
Higher

Actual:
56 ft.

RCRA-CESQG:

Date form received by agency: 12/31/2009
Facility name: MR FORMAL INC
Facility address: 1205 SE GRAND AVE
PORTLAND, OR 97214
EPA ID: ORQ000022806
Contact: MATT ROSENBERGER
Contact address: 1205 SE GRAND AVE
PORTLAND, OR 97214-3435

MR FORMAL INC (Continued) **1008196083**

Contact country: US
Contact telephone: 503 238-7216 EX
Contact email: Not reported
EPA Region: 10
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: EDWIN E HONEYCUTT III
Owner/operator address: 1205 SE GRAND AVE
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: 503 238-7216
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/30/2003
Owner/Op end date: Not reported

Owner/operator name: EDWIN E HONEYCUTT III
Owner/operator address: 1205 SE GRAND AVE
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: 503 238-7216
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/31/2009
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No

MR FORMAL INC (Continued) **1008196083**

Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 02/27/2009
Site name: MR FORMAL INC
Classification: Small Quantity Generator

Date form received by agency: 12/31/2008
Site name: MR FORMAL INC
Classification: Small Quantity Generator

Date form received by agency: 12/31/2007
Site name: MR FORMAL INC
Classification: Small Quantity Generator

Date form received by agency: 12/31/2006
Site name: MR FORMAL INC
Classification: Small Quantity Generator

Date form received by agency: 12/31/2005
Site name: MR FORMAL INC
Classification: Small Quantity Generator

Date form received by agency: 12/31/2004
Site name: MR FORMAL INC
Classification: Small Quantity Generator

Date form received by agency: 12/31/2003
Site name: MR FORMAL INC
Classification: Small Quantity Generator

Date form received by agency: 06/30/2003
Site name: MR FORMAL INC
Classification: Small Quantity Generator

Date form received by agency: 12/31/2002
Site name: MR FORMAL INC
Classification: Small Quantity Generator

Date form received by agency: 12/31/2001
Site name: MR FORMAL INC
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 05/05/2010
Date achieved compliance: 05/05/2010
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 05/05/2010
Enf. disposition status: Not reported

MR FORMAL INC (Continued) **1008196083**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 11/30/2004
Date achieved compliance: 01/10/2005
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 12/06/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 11/30/2004
Date achieved compliance: 01/10/2005
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 12/06/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 11/30/2004
Date achieved compliance: 02/23/2005
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 12/06/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 12/14/2011
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/05/2010
Evaluation: NON-FINANCIAL RECORD REVIEW

MR FORMAL INC (Continued) **1008196083**

Area of violation: Generators - Records/Reporting
Date achieved compliance: 05/05/2010
Evaluation lead agency: State

Evaluation date: 06/02/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/30/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 01/10/2005
Evaluation lead agency: State

Evaluation date: 11/30/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 02/23/2005
Evaluation lead agency: State

Evaluation date: 11/30/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 01/10/2005
Evaluation lead agency: State

ECSI:
State ID Number: 5904
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 831
Investigation: No Further Action
FACA ID: 59672
Further Action: 0
Lat/Long (dms): 45 30 51.10 / -122 39 40.00
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 2
Qtr Section: BC
Tax Lots: 3700, 3800
Size: 0.44 acres
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 02/19/2015
Created Date: 06/16/2014
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action

MR FORMAL INC (Continued) **1008196083**

Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

Hazardous Release:
Substance ID.: 121011
Haz Release ID: 388207
Qty Released: Less than 2.5 gallons
Date Released: October 9, 2013
Update Date: 07/17/2014
Update By: KDANA
Substance Code: 127-18-4
Substance Name: TETRACHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316912
Sub Alias Name: ETHENE,TETRACHLORO-
Substance Alias ID: 316913
Sub Alias Name: ETHYLENE TETRACHLORIDE
Substance Alias ID: 316914
Sub Alias Name: PERCHLOROETHYLENE
Substance Alias ID: 316915
Sub Alias Name: PERCLENE
Substance Alias ID: 316916
Sub Alias Name: TETRACHLOROETHENE
Substance Alias ID: 316917
Sub Alias Name: TETRACHLOROETHENE,1,1,2,2-
Substance Alias ID: 316918
Sub Alias Name: TETRACHLOROETHYLENE,1,1,2,2-
Comment ID: 305637
Release Code: General Comments
Release Comments: Also known as perchloroethylene or perc
Decode for Relcomcd: General Comments
Sampling Result ID: 350708
Feature Id: 0
Hazard Release Id: 388207
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False

MR FORMAL INC (Continued) **1008196083**

Owner Operator: False
Lab Data: True
Sample Depth: 0.5-1.0 ft bgs
Start Date: 12/09/2013
End Date: 12/09/2013
Min Concentration: Not reported
Max Concentration: 60.70
Sample Comment: up to 60.7 ppm
Last Update By: KDANA
Update Date: 07/17/2014
Decode for MediumID: Soil
Sampling Result ID: 350709
Feature Id: 0
Hazard Release Id: 388207
Medium: 700
Substance Abbrev.: 0
Unit Code: 95
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 08/04/2014
End Date: 08/04/2014
Min Concentration: Not reported
Max Concentration: 16000.00
Sample Comment: up to 16,000 ug/m3
Last Update By: KDANA
Update Date: 09/03/2014
Decode for MediumID: Other

Substance ID.: 121781
Haz Release ID: 388208
Qty Released: unknown
Date Released: October 9, 2013
Update Date: 07/17/2014
Update By: KDANA
Substance Code: 79-01-6
Substance Name: TRICHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8523
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8545
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8523
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8545
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported

MR FORMAL INC (Continued) **1008196083**

Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317517
Sub Alias Name: ETHINYL TRICHLORIDE
Substance Alias ID: 317518
Sub Alias Name: ETHYLENE TRICHLORIDE
Substance Alias ID: 317519
Sub Alias Name: TCE
Substance Alias ID: 317520
Sub Alias Name: TRI-CLENE
Substance Alias ID: 317521
Sub Alias Name: TRICHLOROETHENE
Comment ID: 305640
Release Code: General Comments
Release Comments: Degradation product of tetrachloroethylene
Decode for Relcomcd: General Comments
Comment ID: 305641
Release Code: Media Contamination Footnote
Release Comments: Other = soil gas
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305642
Release Code: Data Sources
Release Comments: June 2014 GeoDesign Technical Memorandum
Decode for Relcomcd: Data Sources
Sampling Result ID: 350710
Feature Id: 0
Hazard Release Id: 388208
Medium: 700
Substance Abbrev.: 0
Unit Code: 95
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 06/04/2014
End Date: 06/04/2014
Min Concentration: Not reported
Max Concentration: 2500.00
Sample Comment: up to 2,500 ug/m3
Last Update By: KDANA
Update Date: 07/17/2014
Decode for MediumID: Other

Narrative:
NARR ID: 5755275
NARR Code: Contamination
Created By: KDANA
Created Date: 09/03/2014
Updated By: KDANA
Updated Date: 10/08/2014
Decode for NarcdID: Contamination
NARR Comments: (10/08/2014 KPD/ICP) Approximately 2.5 gallons of a solvent/water mixture spilled from a dry cleaning machine at this site on October 9, 2013. It was reported that most of the spill was captured in a spill containment tray, and that much of the rest was soaked up by rags. However, a small amount reached the subsurface through a seam at the base of a wall. Sub-slab soil sampling in December 2013 found up to 60.7 ppm PCE. Sub-slab vapor sampling conducted in April, June,

MR FORMAL INC (Continued) **1008196083**

and August 2014 found up to 16,000 ug/m3 PCE and 2,500 ug/m3 TCE.

NARR ID: 5755215
NARR Code: Data Sources
Created By: KDANA
Created Date: 07/17/2014
Updated By: KDANA
Updated Date: 09/03/2014
Decode for NarcdID: Data Sources
NARR Comments: 1) GeoDesign ***Technical Memorandum*** [June 18, 2014].2) GeoDesign ***Supplemental Technical Memorandum*** [August 27, 2014].

NARR ID: 5755214
NARR Code: Hazardous Substance/Waste Types
Created By: KDANA
Created Date: 07/17/2014
Updated By: KDANA
Updated Date: 07/17/2014
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Perchloroethylene (PCE) and trichloroethylene (TCE)

NARR ID: 5755212
NARR Code: Site Location
Created By: KDANA
Created Date: 07/17/2014
Updated By: KDANA
Updated Date: 07/17/2014
Decode for NarcdID: Site Location
NARR Comments: The site is located along the south side of SE Salmon Street, between Martin Luther King Jr. Boulevard and Grand Avenue.

NARR ID: 5755213
NARR Code: Manner of Release
Created By: KDANA
Created Date: 07/17/2014
Updated By: KDANA
Updated Date: 07/17/2014
Decode for NarcdID: Manner of Release
NARR Comments: Spill of 2.5 gallons of solvent/water mix on October 9, 2013

NARR ID: 5755277
NARR Code: Media Contamination
Created By: KDANA
Created Date: 09/03/2014
Updated By: KDANA
Updated Date: 10/08/2014
Decode for NarcdID: Media Contamination
NARR Comments: Sub-slab soils and vapors were impacted by PCE and TCE

NARR ID: 5755276
NARR Code: Remedial Action
Created By: KDANA
Created Date: 09/03/2014
Updated By: KDANA
Updated Date: 10/08/2014
Decode for NarcdID: Remedial Action
NARR Comments: (10/08/2014 KPD/ICP) A soil vapor extraction (SVE) system was

MR FORMAL INC (Continued) **1008196083**

installed and activated at the site on December 10, 2013, discharging an estimated 8 cubic feet of sub-slab vapors per minute through a roof vent. The system operated through July 2014. Sampling found up to 16,000 ug/m3 PCE and 2,500 ug/m3 TCE, below DEQ's risk-based concentrations of 47,000 ug/m3 PCE and 2,900 ug/m3 TCE for soil gas in an occupational setting.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 06/16/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 07/14/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Not reported

Action ID: 9425
Region: Northwestern Region
Complete Date: 10/08/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/14/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: 0
Comments: Not reported

Action ID: 9491
Region: 0
Complete Date: 07/24/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/08/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported

MR FORMAL INC (Continued) **1008196083**

Category: Remedial Action
Action Code Flag: False
Action: REMOVAL
Further Action: 0
Comments: Operation of a soil vapor extraction system

Action ID: 9443
Region: Northwestern Region
Complete Date: 10/08/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/08/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

Action ID: 9449
Region: Northwestern Region
Complete Date: 10/08/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/08/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Insufficient information to list
Further Action: 0
Comments: Contamination below concentrations of concern

VCS:
ECS Site ID: 5904
Facility Size: 0.44 acres
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 10/08/2014
End Date: 10/08/2014
Facility Status: Completed
Program: ICP
Latitude: 45.51420
Longitude: -122.6611

OR MANIFEST:
Manifest Year: Manifest Year - 2008
EPA Id: ORQ000022806
Inactive Status: Not reported
Organization Name: Not reported
Contact Name: Matt Rosenberger
Contact Telephone Number: Not reported
Mailing Address: 1205 SE Grand Ave
Mailing City/State/Zip: Portland, OR 97214-3435

MR FORMAL INC (Continued) **1008196083**

Manifest:

Year :	2008
RCRA Id :	ORQ000022806
Inactive :	Not reported
Status:	Small quantity generator
Manifest :	000145742
Ship Date :	09/23/2008
TSD :	ORD981766124
WS Num:	1
Transporter:	TXR000050930
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H020
EPA Waste Codes:	D007 D039 D040 F002
Waste Description:	tetrachloroethylene
Total Amt Of Waste Stream Generated in Reporting Yr 1:	659.38900000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2:	54.420000000000002

Year :	2008
RCRA Id :	ORQ000022806
Inactive :	Not reported
Status:	Small quantity generator
Manifest :	001461711
Ship Date :	10/20/2008
TSD :	ORD981766124
WS Num:	1
Transporter:	TXR000050930
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H020
EPA Waste Codes:	D007 D039 D040 F002
Waste Description:	tetrachloroethylene
Total Amt Of Waste Stream Generated in Reporting Yr 1:	659.38900000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2:	87.978999999999999

Year :	2008
RCRA Id :	ORQ000022806
Inactive :	Not reported
Status:	Small quantity generator
Manifest :	001160694
Ship Date :	06/12/2008
TSD :	ORD981766124
WS Num:	1
Transporter:	TXR000050930
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H020
EPA Waste Codes:	D007 D039 D040 F002
Waste Description:	tetrachloroethylene
Total Amt Of Waste Stream Generated in Reporting Yr 1:	659.38900000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2:	88.432500000000005

Year :	2008
RCRA Id :	ORQ000022806
Inactive :	Not reported
Status:	Small quantity generator
Manifest :	001121942

MR FORMAL INC (Continued) **1008196083**

Ship Date :	07/08/2008
TSD :	ORD981766124
WS Num:	1
Transporter:	TXR000050930
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H020
EPA Waste Codes:	D007 D039 D040 F002
Waste Description:	tetrachloroethylene
Total Amt Of Waste Stream Generated in Reporting Yr 1:	659.38900000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2:	88.432500000000005

Year :	2008
RCRA Id :	ORQ000022806
Inactive :	Not reported
Status:	Small quantity generator
Manifest :	000671084
Ship Date :	02/13/2008
TSD :	ORD981766124
WS Num:	1
Transporter:	TXR000050930
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H020
EPA Waste Codes:	D007 D039 D040 F002
Waste Description:	tetrachloroethylene
Total Amt Of Waste Stream Generated in Reporting Yr 1:	659.38900000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2:	58.954999999999998

Year :	2008
RCRA Id :	ORQ000022806
Inactive :	Not reported
Status:	Small quantity generator
Manifest :	000130800
Ship Date :	05/19/2008
TSD :	ORD981766124
WS Num:	1
Transporter:	TXR000050930
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H020
EPA Waste Codes:	D007 D039 D040 F002
Waste Description:	tetrachloroethylene
Total Amt Of Waste Stream Generated in Reporting Yr 1:	659.38900000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2:	88.432500000000005

Year :	2008
RCRA Id :	ORQ000022806
Inactive :	Not reported
Status:	Small quantity generator
Manifest :	000671309
Ship Date :	03/28/2008
TSD :	ORD981766124
WS Num:	1
Transporter:	TXR000050930
Ship Qty :	Not reported
Rpt Unit :	Not reported

MR FORMAL INC (Continued) **1008196083**

Off Mng : H020
EPA Waste Codes: D007 D039 D040 F002
Waste Description: tetrachloroethylene
Total Amt Of Waste Stream Generated in Reporting Yr 1: 659.38900000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 88.432500000000005

Year : 2008
RCRA Id : ORQ000022806
Inactive : Not reported
Status: Small quantity generator
Manifest : 001423421
Ship Date : 11/19/2008
TSD : ORD981766124
WS Num: 1
Transporter: TXR000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D007 D039 D040 F002
Waste Description: tetrachloroethylene
Total Amt Of Waste Stream Generated in Reporting Yr 1: 659.38900000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 57.140999999999998

Manifest:
Year : 2007
RCRA Id : ORQ000022806
Inactive : Not reported
Status: Small quantity generator
Manifest : 000081339sks
Ship Date : 09/24/2007
TSD : 714801
WS Num: 1
Transporter: TXR000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D007 D039 D040 F002
Waste Description: tetrachloroethylene
Total Amt Of Waste Stream Generated in Reporting Yr 1: 319.72000000000003
Total Amt Of Waste Stream Generated in Reporting Yr 2: 88.430000000000007

Year : 2007
RCRA Id : ORQ000022806
Inactive : Not reported
Status: Small quantity generator
Manifest : 000670693SKS
Ship Date : 12/17/2007
TSD : 714801
WS Num: 1
Transporter: TXR000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D007 D039 D040 F002
Waste Description: tetrachloroethylene

MR FORMAL INC (Continued) **1008196083**

Total Amt Of Waste Stream Generated in Reporting Yr 1: 319.72000000000003
Total Amt Of Waste Stream Generated in Reporting Yr 2: 88.430000000000007

Year : 2007
RCRA Id : ORQ000022806
Inactive : Not reported
Status: Small quantity generator
Manifest : 000055030sks
Ship Date : 08/01/2007
TSD : 714801
WS Num: 1
Transporter: TXR000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D007 D039 D040 F002
Waste Description: tetrachloroethylene
Total Amt Of Waste Stream Generated in Reporting Yr 1: 319.72000000000003
Total Amt Of Waste Stream Generated in Reporting Yr 2: 88.430000000000007

Year : 2007
RCRA Id : ORQ000022806
Inactive : Not reported
Status: Small quantity generator
Manifest : 00670939SKS
Ship Date : 10/25/2007
TSD : 714801
WS Num: 1
Transporter: TXR000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D007 D039 D040 F002
Waste Description: tetrachloroethylene
Total Amt Of Waste Stream Generated in Reporting Yr 1: 319.72000000000003
Total Amt Of Waste Stream Generated in Reporting Yr 2: 54.420000000000002

Manifest:
Year : 2006
RCRA Id : ORQ000022806
Inactive : Not reported
Status: Small quantity generator
Manifest : 48185
Ship Date : 04/21/2006
TSD : ORD981766124
WS Num: Not reported
Transporter: TXR000050930
Ship Qty : 195
Rpt Unit : LB
Off Mng : H020
EPA Waste Codes: D007 D039 D040 F002
Waste Description: tetrachloroethylene
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

MR FORMAL INC (Continued) **1008196083**

Year : 2006
RCRA Id : ORQ000022806
Inactive : Not reported
Status: Small quantity generator
Manifest : 50964
Ship Date : 12/13/2006
TSD : ORD981766124
WS Num: Not reported
Transporter: TXR000050930
Ship Qty : 240
Rpt Unit : LB
Off Mng : H020
EPA Waste Codes: D007 D039 D040 F002
Waste Description: tetrachloroethylene
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORQ000022806
Inactive : Not reported
Status: Small quantity generator
Manifest : 38745
Ship Date : 01/24/2006
TSD : ORD981766124
WS Num: Not reported
Transporter: TXR000050930
Ship Qty : 195
Rpt Unit : LB
Off Mng : H020
EPA Waste Codes: D007 D039 D040 F002
Waste Description: tetrachloroethylene
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Manifest:
Year : 2004
RCRA Id : ORQ000022806
Inactive : Not reported
Status: Small quantity generator
Manifest : 0026538879
Ship Date : 06/24/2004
TSD : ORD981766124
WS Num: Not reported
Transporter: TXR000050930
Ship Qty : 390
Rpt Unit : LB
Off Mng : H020
EPA Waste Codes: D007 D039 D040 F002
Waste Description: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2004
RCRA Id : ORQ000022806
Inactive : Not reported

MR FORMAL INC (Continued) **1008196083**

Status: Small quantity generator
Manifest : 0027190465
Ship Date : 09/28/2004
TSD : ORD981766124
WS Num: Not reported
Transporter: TXR000050930
Ship Qty : 390
Rpt Unit : LB
Off Mng : H020
EPA Waste Codes: D007 D039 D040 F002
Waste Description: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2004
RCRA Id : ORQ000022806
Inactive : Not reported
Status: Small quantity generator
Manifest : 0027896975
Ship Date : 12/10/2004
TSD : ORD981766124
WS Num: Not reported
Transporter: TXR000050930
Ship Qty : 195
Rpt Unit : LB
Off Mng : H020
EPA Waste Codes: D007 D039 D040 F002
Waste Description: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

---

AJ251 **BERNSTEIN BROTHERS, INC.** **OR LUST** **U004015143**
NNE **1120 SE MORRISON ST** **OR UST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.209 mi.
1105 ft. **Site 5 of 5 in cluster AJ**

Relative:
Higher

Actual:
66 ft.

LUST:
Region: North Western Region
Facility ID: 26-91-0267
Cleanup Received Date: 07/19/1991
Cleanup Start Date: 07/19/1991
Cleanup Complete Date: 07/10/1996
Decode for Region: North West Region

UST:
Facility ID: 6680
Facility Telephone: (503) 235-8341
Permittee Name: ALAN CAMPF, CO-OWNER
Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 3
Number of Tanks: 3

BA252 **HEATING OIL TANK** **OR LUST** **S106856961**
ENE **1415 SE TAYLOR ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.210 mi.
1109 ft. **Site 1 of 2 in cluster BA**

Relative:
Higher

Actual:
72 ft.

LUST:

Region:	North Western Region
Facility ID:	26-05-0593
Cleanup Received Date:	03/30/2005
Cleanup Start Date:	03/31/2005
Cleanup Complete Date:	**06/08/2005**
Decode for Region:	**North West Region**

AV253 **NAPA AUTO PARTS** **RCRA NonGen / NLR** **1004770936**
North **730 SOUTHEAST 9TH** **FINDS** **ORD987200383**
1/8-1/4 **PORTLAND, OR 97214** **ECHO**
0.211 mi.
1114 ft. **Site 6 of 6 in cluster AV**

Relative:
Higher

Actual:
47 ft.

RCRA NonGen / NLR:

Date form received by agency:	12/31/2009
Facility name:	NAPA AUTO PARTS
Facility address:	730 SE 9TH PORTLAND, OR 97214
EPA ID:	ORD987200383
Mailing address:	10515 N LOMBARD ST PORTLAND, OR 97203
Contact:	MARK GRIFFITH
Contact address:	10515 N LOMBARD ST PORTLAND, OR 97203
Contact country:	US
Contact telephone:	(503) 286-8851
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	GENUINE PARTS COMPANY
Owner/operator address:	10515 N LOMBARD ST PORTLAND, OR 97203
Owner/operator country:	US
Owner/operator telephone:	(503) 286-8851
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/2009
Owner/Op end date:	Not reported

Owner/operator name:	GENUINE PARTS COMPANY
Owner/operator address:	2999 CIRCLE 75 PARKWAY ATLANTA, GA 30339
Owner/operator country:	US
Owner/operator telephone:	(770) 953-1700
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	01/27/1993
Owner/Op end date:	Not reported

NAPA AUTO PARTS (Continued) **1004770936**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 12/31/2003
Site name: NAPA AUTO PARTS
Classification: Not a generator, verified

Date form received by agency: 01/08/2003
Site name: NAPA AUTO PARTS
Classification: Not a generator, verified

Date form received by agency: 03/25/2002
Site name: NAPA AUTO PARTS
Classification: Not a generator, verified

Date form received by agency: 01/04/2002
Site name: NAPA AUTO PARTS
Classification: Not a generator, verified

Date form received by agency: 01/18/2001
Site name: NAPA AUTO PARTS
Classification: Not a generator, verified

Date form received by agency: 02/16/2000
Site name: NAPA AUTO PARTS
Classification: Not a generator, verified

Date form received by agency: 02/05/1999
Site name: NAPA AUTO PARTS
Classification: Not a generator, verified

Date form received by agency: 02/14/1997
Site name: NAPA AUTO PARTS
Classification: Not a generator, verified

Date form received by agency: 01/19/1996
Site name: NAPA AUTO PARTS
Classification: Not a generator, verified

NAPA AUTO PARTS (Continued) **1004770936**

Date form received by agency: 03/13/1995
Site name: NAPA AUTO PARTS
Classification: Not a generator, verified

Date form received by agency: 01/11/1994
Site name: NAPA AUTO PARTS
Classification: Not a generator, verified

Date form received by agency: 01/27/1993
Site name: NAPA AUTO PARTS
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004806915

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1004770936
Registry ID:	110004806915
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51759
Longitude:	-122.65637
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051

NAPA AUTO PARTS (Continued) **1004770936**

Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011027
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported

NAPA AUTO PARTS (Continued) **1004770936**

CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD987200383
RCRA Permit Types:	Other
RCRA NAICS:	44131
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004806915
Facility SIC Codes:	Not reported
Facility NAICS Codes:	44131
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

AR254 **ODEQ SE 13TH DRUG SITE** **RCRA NonGen / NLR** **1000350477**
NE **924 SE 13TH** **FINDS** **ORD980987804**
1/8-1/4 **PORTLAND, OR 97202** **ECHO**
0.211 mi.
1115 ft. **Site 4 of 4 in cluster AR**

Relative:
Higher

Actual:
79 ft.

RCRA NonGen / NLR:

Date form received by agency:	10/13/1987
Facility name:	ODEQ SE 13TH DRUG SITE
Facility address:	924 SE 13TH PORTLAND, OR 97202
EPA ID:	ORD980987804
Mailing address:	SW 6TH PORTLAND, OR 97204
Contact:	MICHAEL EYER
Contact address:	811 SW 6TH PORTLAND, OR 97204
Contact country:	US
Contact telephone:	(503) 229-5102
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	STATE OF OREGON
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

ODEQ SE 13TH DRUG SITE (Continued) **1000350477**

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110004792225

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1000350477
Registry ID:	110004792225
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51606
Longitude:	-122.65241
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011012011
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0

ODEQ SE 13TH DRUG SITE (Continued) **1000350477**

Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD980987804
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported

ODEQ SE 13TH DRUG SITE (Continued) **1000350477**

RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004792225
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

AI255 **DILORETO ARCHITECTS** **RCRA NonGen / NLR** **1001485833**
WNW **1108 SE GRAND AVE STE 302** **FINDS** **ORR000001172**
1/8-1/4 **PORTLAND, OR 97214** **ECHO**
0.212 mi.
1118 ft. **Site 4 of 4 in cluster AI**

Relative:
Higher

Actual:
56 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/07/1998
Facility name:	DILORETO ARCHITECTS
Facility address:	1108 SE GRAND AVE STE 302 PORTLAND, OR 97214
EPA ID:	ORR000001172
Contact:	ANN TALBOTT DILORETO
Contact address:	1108 SE GRAND AVE STE 302 PORTLAND, OR 97214
Contact country:	US
Contact telephone:	(503) 235-6138
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

DILORETO ARCHITECTS (Continued) **1001485833**

Owner/Operator Summary:
Owner/operator name: CHRIS MICHAEL DILORETO
Owner/operator address: 1108 SE GRAND AVE STE 302
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: (503) 235-6138
Legal status: Other
Owner/Operator Type: Operator
Owner/Op start date: 01/07/1998
Owner/Op end date: Not reported

Owner/operator name: CHRIS MICHAEL DILORETO
Owner/operator address: 1108 SE GRAND AVE STE 302
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: (503) 235-6138
Legal status: Other
Owner/Operator Type: Owner
Owner/Op start date: 01/07/1998
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/06/1997
Site name: DILORETO ARCHITECTS
Classification: Not a generator, verified

Date form received by agency: 01/03/1996
Site name: DILORETO ARCHITECTS
Classification: Not a generator, verified

Date form received by agency: 05/22/1995
Site name: DILORETO ARCHITECTS
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

DILORETO ARCHITECTS (Continued) **1001485833**

FINDS:

Registry ID: 110004821694

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1001485833
Registry ID:	110004821694
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51477
Longitude:	-122.66018
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011108
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N

DILORETO ARCHITECTS (Continued) **1001485833**

3yr Compliance Status:	
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORR000001172
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	

DILORETO ARCHITECTS (Continued) **1001485833**

SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004821694
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

AS256 **ARROW AUTOMOTIVE SERVICE** **EDR Hist Auto** **1009493116**
WSW **536 SE CLAY** **N/A**
1/8-1/4 **PORTLAND, OR**
0.213 mi.
1127 ft. **Site 5 of 7 in cluster AS**

Relative:
Higher

Actual:
66 ft.

EDR Historical Auto Stations:

Name:	ARROW AUTOMOTIVE SERVICE
Year:	1935
Type:	AUTOMOBILE REPAIRING

AM257 **DUPRE AUTOMOTIVE SERVICE** **EDR Hist Auto** **1009495437**
NNW **825 SE 7TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.214 mi.
1129 ft. **Site 7 of 10 in cluster AM**

Relative:
Higher

Actual:
44 ft.

EDR Historical Auto Stations:

Name:	BISSELL AND INMAN
Year:	1935
Type:	AUTOMOBILE REPAIRING
Name:	DUPRE AUTOMOTIVE SERVICE
Year:	1950
Type:	AUTOMOBILE REPAIRING

DUPRE AUTOMOTIVE SERVICE (Continued) **1009495437**

Name: BERT S AUTOMOTIVE SERVICE
Year: 1950
Type: AUTOMOBILE REPAIRING

BB258 **EDR Hist Auto** **1009488469**
South **1810 SE 10TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.214 mi.
1131 ft. **Site 1 of 3 in cluster BB**

Relative:
Higher

Actual:
48 ft.

EDR Historical Auto Stations:

Name: POWELL HUGH CHEVRON STATION
Year: 1975
Type: GASOLINE STATIONS

Name: MERCHANTS AUTO & TRUCK
Year: 2001
Address: 1810 SE 10TH AVE

Name: MERCHANTS AUTO & TRUCK
Year: 2002
Address: 1810 SE 10TH AVE

Name: MERCHANTS AUTO & TRUCK REPAIR
Year: 2003
Address: 1810 SE 10TH AVE

Name: MERCHANTS AUTO & TRUCK REPAIR
Year: 2004
Address: 1810 SE 10TH AVE

Name: MERCHANTS AUTO & TRUCK REPAIR
Year: 2005
Address: 1810 SE 10TH AVE

Name: MERCHANTS AUTO & TRUCK
Year: 2006
Address: 1810 SE 10TH AVE

Name: MERCHANTS AUTO & TRUCK
Year: 2007
Address: 1810 SE 10TH AVE

Name: MERCHANTS AUTO & TRUCK
Year: 2008
Address: 1810 SE 10TH AVE

Name: MERCHANTS AUTO & TRUCK REPAIR INC
Year: 2009
Address: 1810 SE 10TH AVE

Name: MERCHANTS AUTO & TRUCK REPAIR
Year: 2010
Address: 1810 SE 10TH AVE

BB259 **MERCHANTS MOTORCYCLE DELIVERY CO** **OR LUST** **U000432712**
South **1810 SE 10TH** **OR UST** **N/A**
1/8-1/4 **PORTLAND, OR 97214** **OR HSIS**
0.214 mi.
1131 ft. **Site 2 of 3 in cluster BB**

Relative:
Higher

Actual:
48 ft.

LUST:

Region:	North Western Region
Facility ID:	26-92-0230
Cleanup Received Date:	08/07/1992
Cleanup Start Date:	08/31/1992
Cleanup Complete Date:	**05/28/1997**
Decode for Region:	**North West Region**

UST:

Facility ID:	10829
Facility Telephone:	(503)232-7141
Permittee Name:	JACK WRIGHT, PRESIDENT
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	5
Number of Tanks:	5

HSIS:

Facility Id:	014306
Chemical Is Extremely Hazardous Substance (EHS):	No
Department Or Division Of Company:	Not reported
Facility Has Written Emergency Plan:	Yes
Contains 112R:	No
NAICS Code 1:	423330
NAICS Desc 1:	ROOFING, SIDING, & INSULATION MATERIAL WH
NAICS Code 2:	000000
NAICS Desc 2:	Not reported
Manager Name:	GARY MCDONALD
Business Phone:	5032340528
Mailing Address:	PO BOX 14126
Mailing City,St,Zip:	PORTLAND, OR 97214
No. of Employees:	10
Day Phone:	5032340528
Placard:	No
Fire Dept Code:	0291
Sprinkler System:	No
Emergency Contact:	GARY W MCDONALD
Emergency Procedure:	MGR'S OFC
Business Type:	BUILDING MATERIALS SALES

Facility:

Facility Id:	014306
Physical State Of The Substance:	2
Physical State:	LIQUID
Average Amount Possessed During The Year Code:	11
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	F
Description:	CAN
Type Code:	E
Temperature Description:	PLASTIC OR NON-METALLIC DRUM
Pressure of Code:	1

MERCHANTS MOTORCYCLE DELIVERY CO (Continued) **U000432712**

Pressure Description:	NORMAL PRESSURE
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	500-999
Most Hazardous Ingridient:	MINERAL SPIRITS
United Nations/north America 4 Digit Class Number:	Not reported
Hazard Rank:	2
EHS Ingredient:	Not reported
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Flammable and Combustible Liquid
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	3.0
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

Chemical:

United Nations/north America 4 Digit Class Number:	Not reported
Chemical Abstract Service Identifier Number:	64742887
Chemical Is Extremely Hazardous Substance (EHS):	Not reported
First Hazardous Class Code For Chemical:	Flammable and Combustible Liquid
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	3.0
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported
Chemical Is A Toxic 313 Chemical:	Not reported
EPA Pesticide Registration Number:	Not reported
Contains 112R:	Not reported
Contains EHS:	Not reported
Fertilizer:	Not reported
Pesticide:	Not reported
Contains 313:	Not reported

AP260 **HEATING OIL TANK** **OR LUST** **S104907948**
ENE **1436 SE TAYLOR ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.215 mi.
1135 ft. **Site 4 of 4 in cluster AP**

Relative:
Higher

Actual:
74 ft.

LUST:

Region:	North Western Region
Facility ID:	26-01-5196
Cleanup Received Date:	02/05/2001
Cleanup Start Date:	01/09/2001
Cleanup Complete Date:	**03/09/2001**
Decode for Region:	**North West Region**

AX261 **HEATING OIL TANK** **OR LUST** **S108663949**
NNE **1117 SE MORRISON ST** **OR UIC** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.216 mi.
1140 ft. **Site 2 of 6 in cluster AX**

Relative:
Higher

Actual:
68 ft.

LUST:

Region:	North Western Region
Facility ID:	26-07-1838
Cleanup Received Date:	12/11/2007
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**03/14/2008**
Decode for Region:	**North West Region**

OR UIC:

UIC Well #:	1
Type:	5D2
Type Description:	Storm Water Drainage
Status:	Active
UIC Number:	13142
Facility Status:	Registered & RA
Lat/Long:	45.52 / -122.65

AM262 **ORIENTAL GARAGE** **EDR Hist Auto** **1009493874**
NW **628 SE BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.217 mi.
1144 ft. **Site 8 of 10 in cluster AM**

Relative:
Higher

Actual:
48 ft.

EDR Historical Auto Stations:

Name:	ORIENTAL GARAGE
Year:	1935
Type:	AUTOMOBILE GARAGES

AK263 **HEATING OIL TANK** **OR LUST** **S106475999**
East **1337 SE 15TH AVENUE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.217 mi.
1148 ft. **Site 3 of 4 in cluster AK**

Relative:
Higher

Actual:
62 ft.

LUST:

Region:	North Western Region
Facility ID:	26-04-1235
Cleanup Received Date:	06/25/2004
Cleanup Start Date:	07/06/2004
Cleanup Complete Date:	**08/27/2004**
Decode for Region:	**North West Region**

AW264 **ROBINSON GUST L** **EDR Hist Auto** **1009495228**
NNE **804 SE 12TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.218 mi.
1152 ft. **Site 5 of 8 in cluster AW**

Relative:
Higher

Actual:
76 ft.

EDR Historical Auto Stations:

Name:	ROBINSON GUST L
Year:	1935
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	STEWART DONALD
Year:	1940
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	GINTZ WALTER
Year:	1950
Type:	GASOLINE STATIONS

AX265 **FRED AND LLOYD S AUTO SERVICE** **EDR Hist Auto** **1009485563**
NNE **1135 SE MORRISON** **N/A**
1/8-1/4 **PORTLAND, OR**
0.219 mi.
1154 ft. **Site 3 of 6 in cluster AX**

Relative:
Higher

Actual:
69 ft.

EDR Historical Auto Stations:

Name:	FRED AND LLOYD S AUTO SERVICE
Year:	1955
Type:	GASOLINE STATIONS
Name:	FRED AND LLOYD S AUTO SERVICE
Year:	1960
Type:	GASOLINE STATIONS

AX266 **FRED LLOYD S AUTO SERVICE** **EDR Hist Auto** **1009485564**
NNE **1135 SE MORRISON ST** **N/A**
1/8-1/4 **PORTLAND, OR**
0.219 mi.
1154 ft. **Site 4 of 6 in cluster AX**

Relative:
Higher

Actual:
69 ft.

EDR Historical Auto Stations:

Name:	FRED LLOYD S AUTO SERVICE
Year:	1965
Type:	GASOLINE STATIONS
Name:	FRED S LLOYD S AUTO SERVICE
Year:	1970
Type:	GASOLINE STATIONS
Name:	MOMSON TEXACO STATION
Year:	1975
Type:	GASOLINE STATIONS

AK267
ESE
1/8-1/4
0.219 mi.
1154 ft.

HEATING OIL TANK
1413 SE 15TH AVE
PORTLAND, OR 97214

Site 4 of 4 in cluster AK

OR LUST **S104908040**
N/A

Relative:
Higher

Actual:
59 ft.

LUST:
Region: North Western Region
Facility ID: 26-01-5327
Cleanup Received Date: 02/26/2001
Cleanup Start Date: 02/22/2001
Cleanup Complete Date: 06/04/2001
Decode for Region: North West Region

BA268
ENE
1/8-1/4
0.219 mi.
1155 ft.

HEATING OIL TANK
1014 SE 14TH AVE
PORTLAND, OR 97214

Site 2 of 2 in cluster BA

OR LUST **S118347578**
N/A

Relative:
Higher

Actual:
77 ft.

LUST:
Region: North Western Region
Facility ID: 26-15-0949
Cleanup Received Date: 07/09/2015
Cleanup Start Date: Not reported
Cleanup Complete Date: Not reported
Decode for Region: North West Region

AW269
NE
1/8-1/4
0.219 mi.
1157 ft.

HEATING OIL TANK
900 SE 13TH AVE
PORTLAND, OR 97214

Site 6 of 8 in cluster AW

OR LUST **S105463801**
N/A

Relative:
Higher

Actual:
80 ft.

LUST:
Region: North Western Region
Facility ID: 26-02-0153
Cleanup Received Date: 06/14/2002
Cleanup Start Date: 06/14/2002
Cleanup Complete Date: 11/26/2002
Decode for Region: North West Region

AM270
NW
1/8-1/4
0.220 mi.
1164 ft.

POWELL LEE G
633 SE BELMONT
PORTLAND, OR

Site 9 of 10 in cluster AM

EDR Hist Auto **1009493934**
N/A

Relative:
Higher

Actual:
47 ft.

EDR Historical Auto Stations:
Name: POWELL LEE G
Year: 1935
Type: GASOLINE AND OIL SERVICE STATIONS

Name: POWELL LEE G
Year: 1940
Type: GASOLINE AND OIL SERVICE STATIONS

POWELL LEE G (Continued) **1009493934**

Name: LARRY S CHAMPION SERVICE
Year: 1950
Type: GASOLINE STATIONS

Name: LARRY S CHAMPION SERVICE
Year: 1955
Type: GASOLINE STATIONS

BC271 **LONG AND GROSHENS** **EDR Hist Auto** **1009495413**
NNW **823 SE 8TH** **N/A**
1/8-1/4 **PORTLAND, OR**
0.221 mi.
1165 ft. **Site 1 of 9 in cluster BC**

Relative:
Lower

Actual:
41 ft.

EDR Historical Auto Stations:
Name: LONG AND GROSHENS
Year: 1940
Type: AUTOMOBILE REPAIRING

BC272 **LONG AND GROSHENS** **EDR Hist Auto** **1009495414**
NNW **823 SE 8TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.221 mi.
1165 ft. **Site 2 of 9 in cluster BC**

Relative:
Lower

Actual:
41 ft.

EDR Historical Auto Stations:
Name: LONG AND GROSHENS
Year: 1940
Type: GASOLINE AND OIL SERVICE STATIONS

AM273 **SANDERS MAGNETO SERVICE INC** **EDR Hist Auto** **1009493789**
NW **616 SE BELMONT** **N/A**
1/8-1/4 **PORTLAND, OR**
0.221 mi.
1167 ft. **Site 10 of 10 in cluster AM**

Relative:
Higher

Actual:
48 ft.

EDR Historical Auto Stations:
Name: SANDERS MAGNETO SERVICE INC
Year: 1935
Type: AUTOMOBILE REPAIRING

BC274 **LONG AND GROSHENS** **EDR Hist Auto** **1009495406**
NNW **821 SE 8TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.221 mi.
1168 ft. **Site 3 of 9 in cluster BC**

Relative:
Lower

Actual:
41 ft.

EDR Historical Auto Stations:
Name: LONG AND GROSHENS
Year: 1940
Type: GASOLINE AND OIL SERVICE STATIONS

BC275 **SNOWFLAKE LAUNDRY** **EDR Hist Cleaner** **1009483150**
NNW **821 SE 8TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.221 mi.
1168 ft. **Site 4 of 9 in cluster BC**

Relative:
Lower

Actual:
41 ft.

EDR Historical Cleaners:
Name: SNOWFLAKE LAUNDRY
Year: 1935
Type: LAUNDRIES

BC276 **LONG AND GROSHENS** **EDR Hist Auto** **1009495405**
NNW **821 SE 8TH** **N/A**
1/8-1/4 **PORTLAND, OR**
0.221 mi.
1168 ft. **Site 5 of 9 in cluster BC**

Relative:
Lower

Actual:
41 ft.

EDR Historical Auto Stations:
Name: LONG AND GROSHENS
Year: 1940
Type: AUTOMOBILE REPAIRING

BD277 **EDR Hist Auto** **1015273101**
SE **1750 SE MULBERRY AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.221 mi.
1169 ft. **Site 1 of 5 in cluster BD**

Relative:
Higher

Actual:
49 ft.

EDR Historical Auto Stations:
Name: MACDUFFIE MOTORS SHOP
Year: 2001
Address: 1750 SE MULBERRY AVE

BE278 **HEATING OIL TANK** **OR LUST** **S108572700**
ESE **1556 SE MAPLE AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.224 mi.
1184 ft. **Site 1 of 4 in cluster BE**

Relative:
Higher

Actual:
52 ft.

LUST:
Region: North Western Region
Facility ID: 26-07-0845
Cleanup Received Date: 06/13/2007
Cleanup Start Date: Not reported
Cleanup Complete Date: 11/05/2007
Decode for Region: North West Region

BC279
NNW
1/8-1/4
0.224 mi.
1185 ft.

POWELL DISTRIBUTING CO - MORRISON ST
734 SE MORRISON
PORTLAND, OR 97214

Site 6 of 9 in cluster BC

OR LUST **U000432729**
OR UST **N/A**

Relative:
Higher

Actual:
43 ft.

LUST:

Region:	North Western Region
Facility ID:	26-07-1034
Cleanup Received Date:	07/11/2007
Cleanup Start Date:	07/11/2007
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

UST:

Facility ID:	6049
Facility Telephone:	503-289-5558
Permittee Name:	Jason Powell
Number of Permitted Tanks:	3
Active Tanks:	3
Decommissioned Tanks:	Not reported
Number of Tanks:	4

BF280
WSW
1/8-1/4
0.224 mi.
1185 ft.

NU WAY LAUNDRY CO
468 HAWTHORNE AVE
PORTLAND, OR

Site 1 of 5 in cluster BF

EDR Hist Cleaner **1009481007**
N/A

Relative:
Higher

Actual:
65 ft.

EDR Historical Cleaners:

Name:	NU WAY LAUNDRY CO
Year:	1924
Type:	LAUNDRIES

AW281
NNE
1/8-1/4
0.224 mi.
1185 ft.

HEATING OIL TANK
1200 SE MORRISON ST
PORTLAND, OR 97214

Site 7 of 8 in cluster AW

OR LUST **S108572206**
N/A

Relative:
Higher

Actual:
76 ft.

LUST:

Region:	North Western Region
Facility ID:	26-06-2041
Cleanup Received Date:	11/16/2006
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**01/26/2007**
Decode for Region:	**North West Region**

BG282 **HEATING OIL TANK** **OR LUST** **S102417476**
East **1504 SE MADISON** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.225 mi.
1186 ft. **Site 1 of 5 in cluster BG**

Relative:
Higher

Actual:
62 ft.

LUST:
Region: North Western Region
Facility ID: 26-96-0195
Cleanup Received Date: 03/29/1996
Cleanup Start Date: 03/28/1996
Cleanup Complete Date: 05/29/1996
Decode for Region: North West Region

BD283 **HEATING OIL TANK** **OR LUST** **S107135364**
SSE **1816 SE 12TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97204**
0.225 mi.
1186 ft. **Site 2 of 5 in cluster BD**

Relative:
Higher

Actual:
48 ft.

LUST:
Region: North Western Region
Facility ID: 26-05-1211
Cleanup Received Date: 06/08/2005
Cleanup Start Date: 06/09/2005
Cleanup Complete Date: 04/06/2006
Decode for Region: North West Region

BD284 **HEATING OIL TANK** **OR LUST** **S102590045**
SSE **1825 SE 12TH AVENUE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.226 mi.
1191 ft. **Site 3 of 5 in cluster BD**

Relative:
Higher

Actual:
48 ft.

LUST:
Region: North Western Region
Facility ID: 26-97-0307
Cleanup Received Date: 04/22/1997
Cleanup Start Date: 04/22/1997
Cleanup Complete Date: 09/11/1997
Decode for Region: North West Region

BC285 **JACKSON CHESTER O** **EDR Hist Auto** **1009494645**
NNW **728 SE MORRISON** **N/A**
1/8-1/4 **PORTLAND, OR**
0.226 mi.
1192 ft. **Site 7 of 9 in cluster BC**

Relative:
Higher

Actual:
43 ft.

EDR Historical Auto Stations:
Name: JACKSON CHESTER O
Year: 1940
Type: GASOLINE AND OIL SERVICE STATIONS

BC286
NNW
1/8-1/4
0.226 mi.
1195 ft.

KNOX LARRY TEXACO SERVICE
726 SE MORRISON
PORTLAND, OR

Site 8 of 9 in cluster BC

Relative:
Higher

Actual:
43 ft.

EDR Historical Auto Stations:
Name: KNOX LARRY TEXACO SERVICE
Year: 1960
Type: GASOLINE STATIONS

Database(s): EDR Hist Auto
EDR ID Number: 1009494635
EPA ID Number: N/A

AU287
NW
1/8-1/4
0.227 mi.
1198 ft.

MATCHBOX MOTORS
600 SE BELMONT ST
PORTLAND, OR

Site 2 of 2 in cluster AU

Relative:
Higher

Actual:
49 ft.

EDR Historical Auto Stations:
Name: MATCHBOX MOTORS
Year: 1975
Type: AUTOMOBILE REPAIRING

Database(s): EDR Hist Auto
EDR ID Number: 1009493615
EPA ID Number: N/A

BF288
WSW
1/8-1/4
0.227 mi.
1199 ft.

LONG AND SILVA GARAGE
462 HAWTHORNE AVE
PORTLAND, OR

Site 2 of 5 in cluster BF

Relative:
Higher

Actual:
64 ft.

EDR Historical Auto Stations:
Name: LONG AND SILVA GARAGE
Year: 1930
Type: AUTOMOBILE GARAGES

Database(s): EDR Hist Auto
EDR ID Number: 1009492472
EPA ID Number: N/A

AN289
SE
1/8-1/4
0.228 mi.
1205 ft.

HEATING OIL TANK
1719 SE LADD AVE
PORTLAND, OR 97214

Site 4 of 5 in cluster AN

Relative:
Higher

Actual:
50 ft.

LUST:
Region: North Western Region
Facility ID: 26-99-1294
Cleanup Received Date: 11/17/1999
Cleanup Start Date: 11/15/1999
Cleanup Complete Date: 05/23/2000
Decode for Region: North West Region

Database(s): OR LUST
EDR ID Number: S104304434
EPA ID Number: N/A

BG290
East
1/8-1/4
0.228 mi.
1206 ft.

HEATING OIL TANK
1512 SE MADISON ST
PORTLAND, OR 97214

Site 2 of 5 in cluster BG

OR LUST

S104908270
N/A

Relative:
Higher

Actual:
63 ft.

LUST:

Region:	North Western Region
Facility ID:	26-01-5678
Cleanup Received Date:	04/13/2001
Cleanup Start Date:	04/04/2001
Cleanup Complete Date:	**07/10/2001**
Decode for Region:	**North West Region**

291
NE
1/8-1/4
0.229 mi.
1210 ft.

STORNS RICHD L
1338 BELMONT
PORTLAND, OR

EDR Hist Cleaner

1009476744
N/A

Relative:
Higher

Actual:
84 ft.

EDR Historical Cleaners:

Name:	STORNS RICHD L
Year:	1930
Type:	CLEANERS GARMENTS CURTAINS AND DRAPERIES

BF292
WSW
1/8-1/4
0.230 mi.
1217 ft.

MILLER LOUIS F
454 HAWTHORNE AVE
PORTLAND, OR

Site 3 of 5 in cluster BF

EDR Hist Auto

1009492415
N/A

Relative:
Higher

Actual:
64 ft.

EDR Historical Auto Stations:

Name:	MILLER LOUIS F
Year:	1930
Type:	AUTOMOBILE REPAIRING

AN293
SE
1/8-1/4
0.231 mi.
1222 ft.

HEATING OIL TANK
1727 SE LADD AVENUE
PORTLAND, OR 97214

Site 5 of 5 in cluster AN

OR LUST

S102959519
N/A

Relative:
Higher

Actual:
50 ft.

LUST:

Region:	North Western Region
Facility ID:	26-98-0076
Cleanup Received Date:	02/04/1998
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

AW294 **REX ARMS APARTMENTS** **RCRA NonGen / NLR** **1001229627**
NNE **1230 SE MORRISON ST** **ORQ000007393**
1/8-1/4 **PORTLAND, OR 97214**
0.231 mi.
1222 ft. **Site 8 of 8 in cluster AW**

Relative:
Higher

Actual:
79 ft.

RCRA NonGen / NLR:
Date form received by agency: 06/25/1998
Facility name: REX ARMS APARTMENTS
Facility address: 1230 SE MORRISON ST
PORTLAND, OR 97214
EPA ID: ORQ000007393
Mailing address: 1135 SE SALMON ST
PORTLAND, OR 97214
Contact: KEVIN KRAUS
Contact address: 1135 SE SALMON ST
PORTLAND, OR 97214
Contact country: US
Contact telephone: (503) 231-0682
Contact email: Not reported
EPA Region: 10
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: REACH COMMUNITY DEVELOPMENT INC
Owner/operator address: 1135 SE SALMON ST
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: (503) 231-0682
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 06/25/1998
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 05/01/1998
Site name: REX ARMS APARTMENTS
Classification: Not a generator, verified

Date form received by agency: 10/15/1997

REX ARMS APARTMENTS (Continued) **1001229627**

Site name: REX ARMS APARTMENTS
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

BH295 **NORTHWEST AUTO LEASE** **EDR Hist Auto** **1009485893**
NNE **1205 SE MORRISON** **N/A**
1/8-1/4 **PORTLAND, OR**
0.232 mi.
1226 ft. **Site 1 of 2 in cluster BH**

Relative:
Higher

Actual:
77 ft.

EDR Historical Auto Stations:
Name: NORTHWEST AUTO LEASE
Year: 1960
Type: GASOLINE STATIONS

BH296 **CAMP BOB SERVICE** **EDR Hist Auto** **1009485894**
NNE **1205 SE MORRISON ST** **N/A**
1/8-1/4 **PORTLAND, OR**
0.232 mi.
1226 ft. **Site 2 of 2 in cluster BH**

Relative:
Higher

Actual:
77 ft.

EDR Historical Auto Stations:
Name: BOB S MOBIL SERVICE
Year: 1965
Type: GASOLINE STATIONS

Name: CAMP BOB SERVICE
Year: 1970
Type: GASOLINE STATIONS

BI297 **ALLYN S CLEANING AND DYEING ESTABLISHMENT** **EDR Hist Cleaner** **1009475215**
NW **1006 SE GRAND AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.233 mi.
1229 ft. **Site 1 of 4 in cluster BI**

Relative:
Higher

Actual:
55 ft.

EDR Historical Cleaners:
Name: ALLYN S CLEANING AND DYEING ESTABLISHMENT
Year: 1935
Type: DYERS AND CLEANERS

Name: ALLYN S DYEING AND CLEANING ESTABLISHMENT
Year: 1940
Type: CLOTHES PRESSERS AND CLEANERS

Name: ALLYN S DYEING AND CLEANING ESTABLISHMENT
Year: 1940
Type: DYERS AND CLEANERS

Name: ALLYN S DYEING AND CLEANING ESTABLISHMENT
Year: 1950
Type: CLEANERS AND DYERS

ALLYN S CLEANING AND DYEING ESTABLISHMENT (Continued) **1009475215**

Name: ALLYN S DYEING AND CLEANING ESTABLISHMENT
Year: 1955
Type: CLEANERS AND DYERS

Name: ALLYN S DYEING AND CLEANING ESTABLISHMENT
Year: 1960
Type: CLEANERS AND DYERS

298
ENE
1/8-1/4
0.233 mi.
1232 ft.

HEATING OIL TANK **OR LUST** **S105711247**
1507 SE SALMON STREET **N/A**
PORTLAND, OR 97214

Relative:
Higher

Actual:
73 ft.

LUST:
Region: North Western Region
Facility ID: 26-02-1278
Cleanup Received Date: 11/06/2002
Cleanup Start Date: 11/07/2002
Cleanup Complete Date: 06/10/2003
Decode for Region: North West Region

BJ299
SSW
1/8-1/4
0.234 mi.
1233 ft.

WEBB S GARAGE **EDR Hist Auto** **1009488436**
1802 SE 7TH AVE **N/A**
PORTLAND, OR

Site 1 of 2 in cluster BJ

Relative:
Higher

Actual:
64 ft.

EDR Historical Auto Stations:

Name: WEBB S GARAGE
Year: 1940
Type: AUTOMOBILE REPAIRING

Name: WEBB S GARAGE
Year: 1950
Type: AUTOMOBILE REPAIRING

Name: WEBB S GARAGE
Year: 1955
Type: AUTOMOBILE REPAIRING

Name: ROSE CITY MOTORCYCLE SALES
Year: 1975
Type: MOTORCYCLE DEALERS AND REPAIRERS

Name: AUTOMATIC TRANSMISSION SPECIALTIES
Year: 1981
Type: AUTOMOBILE REPAIRING

Name: ELLIOTT AUTOMOTIVE SUPPLY
Year: 2001
Address: 1802 SE 7TH AVE

Name: ELLIOTT AUTOMOTIVE SUPPLY
Year: 2002
Address: 1802 SE 7TH AVE

WEBB S GARAGE (Continued) **1009488436**

Name: ELLIOTT AUTOMOTIVE SUPPLY
Year: 2003
Address: 1802 SE 7TH AVE

Name: ELLIOTT AUTOMOTIVE SERVICE
Year: 2004
Address: 1802 SE 7TH AVE

Name: ELLIOTT AUTOMOTIVE SERVICE
Year: 2005
Address: 1802 SE 7TH AVE

Name: ELLIOTT AUTOMOTIVE SERVICE
Year: 2006
Address: 1802 SE 7TH AVE

Name: ELLIOTT AUTOMOTIVE SERVICE
Year: 2007
Address: 1802 SE 7TH AVE

Name: ELLIOTT AUTOMOTIVE SERVICE
Year: 2011
Address: 1802 SE 7TH AVE

Name: ELLIOTT AUTOMOTIVE SERVICE
Year: 2012
Address: 1802 SE 7TH AVE

AS300
SW
1/8-1/4
0.234 mi.
1235 ft.

BARNEKOFF SERVICE STATION **EDR Hist Auto** **1009487930**
1638 SE GRAND AVE **N/A**
PORTLAND, OR

Site 6 of 7 in cluster AS

Relative:
Higher

Actual:
68 ft.

EDR Historical Auto Stations:
Name: BARNEKOFF SERVICE STATION
Year: 1935
Type: GASOLINE AND OIL SERVICE STATIONS

BG301
ESE
1/8-1/4
0.235 mi.
1239 ft.

MITCHELL S SERVICE STATION **EDR Hist Auto** **1009487418**
1509 SE HAWTHORNE BLVD **N/A**
PORTLAND, OR

Site 3 of 5 in cluster BG

Relative:
Higher

Actual:
58 ft.

EDR Historical Auto Stations:
Name: BATEMAN HARRY
Year: 1950
Type: GASOLINE STATIONS

Name: MITCHELL S SERVICE STATION
Year: 1955
Type: GASOLINE STATIONS

BC302 **CUMMINGS TIRE CO INC** **EDR Hist Auto** **1009494713**
NNW **734 SE 7TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.235 mi.
1240 ft. **Site 9 of 9 in cluster BC**

Relative:
Higher

Actual:
43 ft.

EDR Historical Auto Stations:

Name:	CASSIDY AND FLACK
Year:	1935
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	CUMMINGS TIRE CO INC
Year:	1940
Type:	GASOLINE AND OIL SERVICE STATIONS
Name:	EAS L SIDE TIRE AND BATTERY CO
Year:	1950
Type:	GASOLINE STATIONS
Name:	AUTO PORT GARAGE
Year:	1960
Type:	AUTOMOBILE REPAIRING
Name:	MORRISON STREET SERV
Year:	1985
Type:	GASOLINE STATIONS
Name:	COMPLETE AUTO SERVICE
Year:	2001
Address:	734 SE 7TH AVE
Name:	PRO BRAKE & CLUTCH
Year:	2010
Address:	734 SE 7TH AVE

AS303 **PAINT-PUMP & SUPPLY CORP** **RCRA NonGen / NLR** **1000321691**
SW **1624 SE GRAND AVE** **FINDS** **ORD059411793**
1/8-1/4 **PORTLAND, OR 97214** **ECHO**
0.235 mi.
1240 ft. **Site 7 of 7 in cluster AS**

Relative:
Higher

Actual:
68 ft.

RCRA NonGen / NLR:

Date form received by agency:	07/19/1990
Facility name:	PAINT-PUMP & SUPPLY CORP
Facility address:	1624 SE GRAND AVE PORTLAND, OR 97214
EPA ID:	ORD059411793
Mailing address:	NOT IN FILE NOT IN FILE, OR
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

PAINT-PUMP & SUPPLY CORP (Continued) **1000321691**

Owner/Operator Summary:
- Owner/operator name: TAYLOR MAGARET L TR ET AL
- Owner/operator address: Not reported
  Not reported
- Owner/operator country: Not reported
- Owner/operator telephone: Not reported
- Legal status: Private
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 09/26/1988
- Site name: PAINT-PUMP & SUPPLY CORP
- Classification: Not a generator, verified

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

PAINT-PUMP & SUPPLY CORP (Continued) **1000321691**

ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110004784653

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid:	1000321691
Registry ID:	110004784653
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51103
Longitude:	-122.66047
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011021016
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported

PAINT-PUMP & SUPPLY CORP (Continued) **1000321691**

Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD059411793
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported

PAINT-PUMP & SUPPLY CORP (Continued) **1000321691**

RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004784653
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

BI304 **MILLER CARL FENDER SHOP** **EDR Hist Auto** **1009484984**
NW **1025 SE GRAND AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.235 mi.
1242 ft. **Site 2 of 4 in cluster BI**

Relative:
Higher

Actual:
54 ft.

EDR Historical Auto Stations:

Name:	MILLER CARL FENDER SHOP
Year:	1935
Type:	AUTOMOBILE REPAIRING

AX305 **METRO METRIC AUTOMOTIVE SERVICE** **RCRA NonGen / NLR** **1004771434**
North **715 SE 10TH AVE** **FINDS** **ORQ000008359**
1/8-1/4 **PORTLAND, OR 97214** **OR HSIS**
0.236 mi. **OR MANIFEST**
1245 ft. **Site 5 of 6 in cluster AX** **ECHO**

Relative:
Higher

Actual:
57 ft.

RCRA NonGen / NLR:

Date form received by agency:	12/31/2009
Facility name:	METRO METRIC AUTOMOTIVE SERVICE
Facility address:	715 SE 10TH AVE

METRO METRIC AUTOMOTIVE SERVICE (Continued) **1004771434**

PORTLAND, OR 97214-2402
EPA ID: ORQ000008359
Mailing address: 3787 RIVER RD N STE A
KEIZER, OR 97303
Contact: RON JOHNSON
Contact address: 715 SE 10TH AVENUE
PORTLAND, OR 97214
Contact country: US
Contact telephone: (503) 233-0272
Contact email: Not reported
EPA Region: 10
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: METRO METRIC AUTOMOTIVE SERVICE
Owner/operator address: 715 SE 10TH AVE
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: (503) 233-0272
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/22/2008
Owner/Op end date: Not reported

Owner/operator name: METRO METRIC AUTOMOTIVE SERVICE
Owner/operator address: 715 SE 10TH AVE
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: (503) 233-0272
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/31/2009
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: NA
. Waste name: NA

METRO METRIC AUTOMOTIVE SERVICE (Continued) **1004771434**

Historical Generators:
Date form received by agency: 12/31/2008
Site name: METRO METRIC AUTOMOTIVE SERVICE
Classification: Not a generator, verified

Date form received by agency: 12/31/2007
Site name: METRO METRIC AUTOMOTIVE SERVICE
Classification: Not a generator, verified

Date form received by agency: 12/31/2006
Site name: METRO METRIC AUTOMOTIVE SERVICE
Classification: Not a generator, verified

Date form received by agency: 12/31/2005
Site name: METRO METRIC AUTOMOTIVE SERVICE
Classification: Not a generator, verified

Date form received by agency: 12/31/2004
Site name: METRO METRIC AUTOMOTIVE SERVICE
Classification: Not a generator, verified

Date form received by agency: 12/31/2003
Site name: METRO METRIC AUTOMOTIVE SERVICE
Classification: Not a generator, verified

Date form received by agency: 01/06/2003
Site name: METRO METRIC AUTOMOTIVE SERVICE
Classification: Not a generator, verified

Date form received by agency: 01/07/2002
Site name: METRO METRIC AUTOMOTIVE SERVICE
Classification: Not a generator, verified

Date form received by agency: 01/18/2001
Site name: METRO METRIC AUTOMOTIVE SERVICE
Classification: Not a generator, verified

Date form received by agency: 01/20/2000
Site name: METRO METRIC AUTOMOTIVE SERVICE
Classification: Not a generator, verified

Date form received by agency: 02/10/1999
Site name: METRO METRIC AUTOMOTIVE SERVICE
Classification: Not a generator, verified

Date form received by agency: 03/02/1998
Site name: METRO METRIC AUTOMOTIVE SERVICE
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004814933

METRO METRIC AUTOMOTIVE SERVICE (Continued) **1004771434**

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HSIS:

Facility Id:	011531
Chemical Is Extremely Hazardous Substance (EHS):	No
Department Or Division Of Company:	Not reported
Facility Has Written Emergency Plan:	Yes
Contains 112R:	No
NAICS Code 1:	811111
NAICS Desc 1:	GENERAL AUTOMOTIVE REPAIR
NAICS Code 2:	000000
NAICS Desc 2:	Not reported
Manager Name:	RONALD JOHNSON
Business Phone:	5032330272
Mailing Address:	715 SE 10TH AVE
Mailing City,St,Zip:	PORTLAND, OR 972142402
No. of Employees:	5
Day Phone:	5032330272
Placard:	No
Fire Dept Code:	0291
Sprinkler System:	No
Emergency Contact:	RON JOHNSON
Emergency Procedure:	SHOP OFFICE
Business Type:	AUTO REPAIR

Facility:

Facility Id:	011531
Physical State Of The Substance:	2
Physical State:	LIQUID
Average Amount Possessed During The Year Code:	10
Maximum Amount Possessed During The Year Code:	11
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	C
Description:	TANK INSIDE BUILDING
Type Code:	D
Temperature Description:	STEEL DRUM
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4

METRO METRIC AUTOMOTIVE SERVICE (Continued) **1004771434**

Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	500-999
Description Of The Avg Qnty Code:	200-499
Most Hazardous Ingridient:	PETROLEUM HYDROCARBONS
United Nations/north America 4 Digit Class Number:	0000
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Combustible Material
Second Hazardous Class Code For Chemical:	Chronic Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.5
Hazard Class 2 Of The Chemical:	6.4
Hazard Class 3 Of The Chemical:	Not reported

Chemical:

United Nations/north America 4 Digit Class Number:	0000
Chemical Abstract Service Identifier Number:	000000
Chemical Is Extremely Hazardous Substance (EHS):	No
First Hazardous Class Code For Chemical:	Combustible Material
Second Hazardous Class Code For Chemical:	Chronic Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.5
Hazard Class 2 Of The Chemical:	6.4
Hazard Class 3 Of The Chemical:	Not reported
Chemical Is A Toxic 313 Chemical:	Not reported
EPA Pesticide Registration Number:	Not reported
Contains 112R:	Not reported
Contains EHS:	No
Fertilizer:	Not reported
Pesticide:	Not reported
Contains 313:	Not reported

OR MANIFEST:

Manifest Year:	Manifest Year - 2007
EPA Id:	ORQ000008359
Inactive Status:	Not reported
Organization Name:	Not reported
Contact Name:	Dr Mitchell Wang
Contact Telephone Number:	(503) 393-0980
Mailing Address:	3787 River Rd N Ste A
Mailing City/State/Zip:	Keizer, OR 97303

ECHO:

Envid:	1004771434
Registry ID:	110004814933

METRO METRIC AUTOMOTIVE SERVICE (Continued) **1004771434**

FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.5177
Longitude:	-122.65598
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011027
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported

METRO METRIC AUTOMOTIVE SERVICE (Continued) **1004771434**

CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORQ000008359
RCRA Permit Types:	Other
RCRA NAICS:	811111
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported

METRO METRIC AUTOMOTIVE SERVICE (Continued) **1004771434**

DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004814933
Facility SIC Codes:	Not reported
Facility NAICS Codes:	811111
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

AX306 **EDR Hist Auto** **1015613292**
North **715 SE 10TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.236 mi.
1245 ft. **Site 6 of 6 in cluster AX**

Relative:
Higher

Actual:
57 ft.

EDR Historical Auto Stations:

Name:	METRO METRIC AUTOMOTIVE SERVICE
Year:	1999
Address:	715 SE 10TH AVE
Name:	METRO METRIC AUTOMOTIVE SVC
Year:	2010
Address:	715 SE 10TH AVE
Name:	METRO METRIC AUTOMOTIVE SERVICE
Year:	2011
Address:	715 SE 10TH AVE
Name:	METRO METRIC AUTOMOTIVE SERVICE
Year:	2012
Address:	715 SE 10TH AVE

BJ307 **HEATING OIL TANK** **OR LUST** **S104024207**
SSW **1807 SE 7TH AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.236 mi.
1245 ft. **Site 2 of 2 in cluster BJ**

Relative:
Higher

Actual:
65 ft.

LUST:

Region:	North Western Region
Facility ID:	26-99-0781
Cleanup Received Date:	07/22/1999
Cleanup Start Date:	07/20/1999
Cleanup Complete Date:	**08/30/2013**
Decode for Region:	**North West Region**

AY308 **HOLLIS ELECTRIC AND MAGNETO SERVICE** **EDR Hist Auto** **1009486406**
West **1302 SE UNION** **N/A**
1/8-1/4 **PORTLAND, OR**
0.237 mi.
1250 ft. **Site 2 of 2 in cluster AY**

Relative:
Higher

Actual:
60 ft.

EDR Historical Auto Stations:
Name: HOLLIS ELECTRIC AND MAGNETO SERVICE
Year: 1940
Type: AUTOMOBILE REPAIRING

BK309 **HEATING OIL TANK** **OR LUST** **S106856650**
East **1533 SE MAIN ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.238 mi.
1257 ft. **Site 1 of 2 in cluster BK**

Relative:
Higher

Actual:
70 ft.

LUST:
Region: North Western Region
Facility ID: 26-05-0134
Cleanup Received Date: 01/27/2005
Cleanup Start Date: 02/03/2005
Cleanup Complete Date: 03/24/2005
Decode for Region: North West Region

BF310 **AUTO GREASING STATION** **EDR Hist Auto** **1009492185**
WSW **436 HAWTHORNE AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.238 mi.
1258 ft. **Site 4 of 5 in cluster BF**

Relative:
Higher

Actual:
63 ft.

EDR Historical Auto Stations:
Name: AUTO GREASING STATION
Year: 1924
Type: AUTOMOBILE SERVICE STATIONS

BF311 **AUTO GREASING STATIONS INC** **EDR Hist Auto** **1009492167**
WSW **434 HAWTHORNE AVE** **N/A**
1/8-1/4 **PORTLAND, OR**
0.239 mi.
1263 ft. **Site 5 of 5 in cluster BF**

Relative:
Higher

Actual:
63 ft.

EDR Historical Auto Stations:
Name: AUTO GREASING STATIONS INC
Year: 1930
Type: GASOLINE AND OIL SERVICE STATIONS

BG312
ESE
1/8-1/4
0.239 mi.
1264 ft.

1515 SE HAWTHORNE BLVD
PORTLAND, OR 97214

Site 4 of 5 in cluster BG

EDR Hist Auto **1009487464**
N/A

Relative:
Higher

Actual:
59 ft.

EDR Historical Auto Stations:

Name:	AUTO BATTERY ELECTRIC
Year:	1981
Type:	AUTOMOBILE REPAIRING
Name:	AUTO BATTERY ELECTRIC
Year:	1985
Type:	AUTOMOBILE REPAIRING
Name:	ABE AUTO BATTERY & ELECTRIC
Year:	2007
Address:	1515 SE HAWTHORNE BLVD
Name:	ABE AUTO BATTERY & ELECTRIC
Year:	2010
Address:	1515 SE HAWTHORNE BLVD
Name:	ABE AUTO BATTERY & ELECTRIC
Year:	2011
Address:	1515 SE HAWTHORNE BLVD
Name:	ABE AUTO BATTERY & ELECTRIC
Year:	2012
Address:	1515 SE HAWTHORNE BLVD

BI313
NW
1/8-1/4
0.240 mi.
1266 ft.

LOGAN OLDSMOBILE CO
1005 SE GRAND AVE
PORTLAND, OR

Site 3 of 4 in cluster BI

EDR Hist Auto **1009484809**
N/A

Relative:
Higher

Actual:
54 ft.

EDR Historical Auto Stations:

Name:	LOGAN OLDSMOBILE CO
Year:	1940
Type:	AUTOMOBILE REPAIRING
Name:	LOGAN OLDSMOBILE CO
Year:	1950
Type:	GASOLINE STATIONS
Name:	LOGAN OLDSMOBILE CO
Year:	1950
Type:	AUTOMOBILE REPAIRING
Name:	LOGAN OLDSMOBILE CO
Year:	1955
Type:	AUTOMOBILE REPAIRING
Name:	LOGAN OLDSMOBILE CO
Year:	1960
Type:	AUTOMOBILE REPAIRING

BI314
NW
1/8-1/4
0.240 mi.
1266 ft.

BROWN OLDSMOBILE CO.
1005 SE GRAND AVE
PORTLAND, OR 97214

Site 4 of 4 in cluster BI

OR LUST **U004015145**
OR UST **N/A**

Relative:
Higher

Actual:
54 ft.

LUST:

Region:	North Western Region
Facility ID:	26-89-0174
Cleanup Received Date:	08/18/1989
Cleanup Start Date:	08/17/1989
Cleanup Complete Date:	**03/11/1992**
Decode for Region:	**North West Region**

UST:

Facility ID:	2280
Facility Telephone:	(503)232-4163
Permittee Name:	C. R. SELLERS, SERVICE MANAGER
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	3
Number of Tanks:	3

315
West
1/8-1/4
0.241 mi.
1274 ft.

BENNION MOTOR CO
424 SE MAIN
PORTLAND, OR

EDR Hist Auto **1009492067**
N/A

Relative:
Higher

Actual:
57 ft.

EDR Historical Auto Stations:

Name:	KASCH AUTO SERVICE
Year:	1935
Type:	AUTOMOBILE REPAIRING
Name:	KASCH AUTO SERVICE
Year:	1940
Type:	AUTOMOBILE REPAIRING
Name:	BENNION MOTOR CO
Year:	1950
Type:	AUTOMOBILE REPAIRING
Name:	B AND M AUTO SERVICE
Year:	1955
Type:	AUTO GARAGES

316
NNE
1/8-1/4
0.242 mi.
1276 ft.

HARE DOKTOR V W SERVICE
720 SE 11TH AVE
PORTLAND, OR

EDR Hist Auto **1009494575**
N/A

Relative:
Higher

Actual:
70 ft.

EDR Historical Auto Stations:

Name:	HARE DOKTOR V W SERVICE
Year:	1985
Type:	AUTOMOBILE REPAIRING

AZ317 **FOUR SQUARE CLEANERS AND DYERS** **EDR Hist Cleaner** **1009475737**
WNW **1116 UNION AVE N** **N/A**
1/8-1/4 **PORTLAND, OR**
0.242 mi.
1277 ft. **Site 2 of 2 in cluster AZ**

Relative:
Higher

Actual:
53 ft.

EDR Historical Cleaners:

Name:	FOUR SQUARE CLEANERS AND DYERS
Year:	1924
Type:	CLEANERS, DYERS AND PRESSERS

BE318 **HEATING OIL TANK** **OR LUST** **S104907922**
ESE **1509 SE HOLLY ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.244 mi.
1290 ft. **Site 2 of 4 in cluster BE**

Relative:
Higher

Actual:
52 ft.

LUST:

Region:	North Western Region
Facility ID:	26-01-5153
Cleanup Received Date:	01/29/2001
Cleanup Start Date:	01/28/2001
Cleanup Complete Date:	**03/22/2001**
Decode for Region:	**North West Region**

BD319 **HEATING OIL TANK** **OR LUST** **S110509967**
SE **1818 SE MULBERRY AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.245 mi.
1292 ft. **Site 4 of 5 in cluster BD**

Relative:
Higher

Actual:
51 ft.

LUST:

Region:	North Western Region
Facility ID:	26-10-0577
Cleanup Received Date:	06/17/2010
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**08/16/2010**
Decode for Region:	**North West Region**

BD320 **HEATING OIL TANK** **OR LUST** **S105463820**
SE **1829 SE MULBERRY AVE** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.249 mi.
1314 ft. **Site 5 of 5 in cluster BD**

Relative:
Higher

Actual:
50 ft.

LUST:

Region:	North Western Region
Facility ID:	26-02-5992
Cleanup Received Date:	05/28/2002
Cleanup Start Date:	05/28/2002
Cleanup Complete Date:	**09/25/2002**
Decode for Region:	**North West Region**

BE321 **HEATING OIL TANK** **OR LUST** **S108246963**
ESE **1517 SE HOLLY ST** **N/A**
1/8-1/4 **PORTLAND, OR 97214**
0.249 mi.
1317 ft. **Site 3 of 4 in cluster BE**

Relative:
Higher

Actual:
53 ft.

LUST:

Region:	North Western Region
Facility ID:	26-06-1497
Cleanup Received Date:	08/16/2006
Cleanup Start Date:	08/17/2006
Cleanup Complete Date:	**04/16/2007**
Decode for Region:	**North West Region**

BB322 **MERCHANTS-TRUCK BODY DIVISION** **OR LUST** **S100497429**
South **1906 SE TENTH** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.255 mi.
1348 ft. **Site 3 of 3 in cluster BB**

Relative:
Higher

Actual:
50 ft.

LUST:

Region:	North Western Region
Facility ID:	26-88-0091
Cleanup Received Date:	11/08/1988
Cleanup Start Date:	11/08/1988
Cleanup Complete Date:	**11/15/1988**
Decode for Region:	**North West Region**

---

323 **HEATING OIL TANK** **OR LUST** **S112059282**
ENE **1010 SE 15 TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.260 mi.
1372 ft.

Relative:
Higher

Actual:
85 ft.

LUST:

Region:	North Western Region
Facility ID:	26-12-0548
Cleanup Received Date:	05/23/2012
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**04/23/2013**
Decode for Region:	**North West Region**

BL324 **GOODWILL INDUSTRIES** **OR ECSI** **S103842399**
SW **1812 SE 6TH AVE.** **OR VCP** **N/A**
1/4-1/2 **PORTLAND, OR 97214** **OR BROWNFIELDS**
0.262 mi.
1381 ft. **Site 1 of 4 in cluster BL**

Relative:
Higher

Actual:
68 ft.

ECSI:

State ID Number:	1475
Brown ID:	Brownfield Site - No Public Sector Assistance
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	No Further Action
FACA ID:	8925
Further Action:	0

GOODWILL INDUSTRIES (Continued) **S103842399**

Lat/Long (dms):	45 30 35.30 / -122 39 33.50
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	2
Qtr Section:	Not reported
Tax Lots:	Not reported
Size:	0.3 acre
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	12/31/2015
Created Date:	12/03/1993
Decode For RegionID:	Northwest Region
Decode For BrownID:	Brownfield Site - no Public Sector Assistance
Decode For Furtheract:	Not reported
Decode For Investstat:	No Further Action
Decode For Legislative:	Not reported

Narrative:

NARR ID:	5733704
NARR Code:	Contamination
Created By:	Not reported
Created Date:	12/17/2002
Updated By:	Not reported
Updated Date:	12/17/2002
Decode for NarcdID:	Contamination
NARR Comments:	Soil only, no groundwater. Contamination mostly removed.

NARR ID:	5733705
NARR Code:	Hazardous Substance/Waste Types
Created By:	Not reported
Created Date:	12/17/2002
Updated By:	Not reported
Updated Date:	12/17/2002
Decode for NarcdID:	Hazardous Substance/Waste Types
NARR Comments:	Very low levels of PCBs and hydrocarbons in soil.

NARR ID:	5733706
NARR Code:	Manner of Release
Created By:	Not reported
Created Date:	12/17/2002
Updated By:	Not reported
Updated Date:	12/17/2002
Decode for NarcdID:	Manner of Release
NARR Comments:	Manner and time of release unknown.

NARR ID:	5733707
NARR Code:	Remedial Action
Created By:	Not reported
Created Date:	12/17/2002
Updated By:	GWISTAR
Updated Date:	05/22/2003
Decode for NarcdID:	Remedial Action

GOODWILL INDUSTRIES (Continued) **S103842399**

NARR Comments: Minor cleanup already occurred. Report submitted 12/93. (12/3/93 GMW/SAS) There is no indication of significant contamination at this site, but a closer review of the site file and perhaps additional sampling would be needed for an NFA determination.

Administrative Action:
Action ID: 9443
Region: Northwestern Region
Complete Date: 05/05/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/21/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

Action ID: 9424
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9505
Region: Northwestern Region
Complete Date: 08/08/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Confirmatory Sampling recommended
Further Action: Low
Comments: Not reported

Action ID: 9425
Region: Northwestern Region
Complete Date: 08/08/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False

GOODWILL INDUSTRIES (Continued) **S103842399**

Action: SITE EVALUATION
Further Action: Not reported
Comments: Low priority site - soil removal occurred in a parking lot where there was low contamination to begin with.

Action ID: 9508
Region: Northwestern Region
Complete Date: 12/03/1993
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: Not reported
Comments: Not reported

Operations:
Operation Id: 132807
Operation Status: Unknown
Common Name: Goodwill Industries
Yrs of Operation: unknown
Comments: Parking lot adjacent to Goodwill store.
Updated Date: 08/08/1995
Updated By: gmw
Decode for OpstatID: Unknown

VCS:
ECS Site ID: 1475
Facility Size: 0.3 acre
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 05/05/2010
End Date: 05/05/2010
Facility Status: Completed
Program: ICP
Latitude: 45.50979
Longitude: -122.6593

OR BROWNFIELDS:
Geolocation Id: 8925
Status: Site Confirmatory Sampling recommended
Lat/Long: 45.5098 / -122.659

325
ESE
1/4-1/2
0.262 mi.
1382 ft.

HEATING OIL TANK **OR LUST** **S106475318**
1544 SE HAWTHORNE BLVD **N/A**
PORTLAND, OR 97214

Relative:
Higher

Actual:
63 ft.

LUST:
Region: North Western Region
Facility ID: 26-04-0269
Cleanup Received Date: 03/01/2004
Cleanup Start Date: 03/01/2004
Cleanup Complete Date: 04/08/2004

HEATING OIL TANK (Continued) **S106475318**

Decode for Region: **North West Region**

BM326 **PORTLAND LAUNDRY BUILDING** **OR ECSI** **S106780215**
SW **1740 SE GRAND AVE.** **OR CRL** **N/A**
1/4-1/2 **PORTLAND, OR 97214** **OR INST CONTROL**
0.263 mi. **OR BROWNFIELDS**
1390 ft. **Site 1 of 2 in cluster BM**

Relative:
Higher

Actual:
69 ft.

ECSI:

State ID Number:	4311
Brown ID:	Brownfield Site - DEQ Tech Assistance
Study Area:	False
Region ID:	2
Legislatve ID:	831
Investigation:	Listed on the CRL/Inventory
FACA ID:	86986
Further Action:	0
Lat/Long (dms):	45 30 37.10 / -122 39 40.70
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	2
Qtr Section:	Not reported
Tax Lots:	9800
Size:	0.57 acre
NPL:	False
Orphan:	False
Updated By:	CHARMAN
Update Date:	08/31/2012
Created Date:	12/23/2004
Decode For RegionID:	Northwest Region
Decode For BrownID:	Brownfield Site - DEQ Technical Assistance
Decode For Furtheract:	Not reported
Decode For Investstat:	Listed on the CRL/Inventory
Decode For Legislative:	Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

Alias Name: Carpet Carl

Narrative:

NARR ID:	5746076
NARR Code:	Contamination
Created By:	LGIBSON
Created Date:	12/23/2004
Updated By:	GWISTAR
Updated Date:	05/18/2006
Decode for NarcdID:	Contamination

NARR Comments: [12/15/2004, RH] The contaminants from the UST systems are present and cleanup via soil removal has occurred. Confirmation soil sampling and expanded subsurface investigation has been completed. Cleanup appears complete at the gasoline UST area, although one of the confirmation samples which previously detected gasoline did not detected benzene with a 5.0 ppm detection limit. Further soil sampling did not detect gasoline in a pit sample. In the vicinity of the former bunker C oil tank, high concentrations of deisel and oil

PORTLAND LAUNDRY BUILDING (Continued) **S106780215**

remain in the pit area (this is where the PCE was detected). The expanded soil investigation did not detect diesel or oil to 15 feet bgs, which may not be cemented gravel and sand was reported and there was geoprobe refusal. No further investigation has been completed.

NARR ID: 5748128
NARR Code: Data Sources
Created By: GWISTAR
Created Date: 05/18/2006
Updated By: GWISTAR
Updated Date: 05/18/2006
Decode for NarcdID: Data Sources
NARR Comments: DEQ reviewed a report from David Brown & Associates that may be missing from the site files.

NARR ID: 5746074
NARR Code: Manner of Release
Created By: LGIBSON
Created Date: 12/23/2004
Updated By: LGIBSON
Updated Date: 12/23/2004
Decode for NarcdID: Manner of Release
NARR Comments: [12/15/2004, RH] Releases from the gasoline and bunker oil USTs reported in 1994.

NARR ID: 5746075
NARR Code: Remedial Action
Created By: LGIBSON
Created Date: 12/23/2004
Updated By: RWILLIA
Updated Date: 12/06/2005
Decode for NarcdID: Remedial Action
NARR Comments: [12/15/2004, RH] Up to 6.3 ppm PCE detected at approximately 21 feet bgs. Also, 0.5 ppm PCE at approximately 13 feet bgs in same boring.

Site Control:
Site Control #: 653
Control Number: 1
Begin Date: 08/29/2012
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: C. Harman, DEQ
Last Reviewed Date: Not reported
Last Update By: CHARMAN
Last Updated Date: 10/09/2012
Site Comment: Deed Notice filed for maintaining floor within facility as a protective cap and proper soil management during any future ground disturbing activity.

Administrative Action:
Action ID: 9411
Region: Northwestern Region
Complete Date: 08/31/2012
Rank Value: Not reported
Cleanup Flag: True
Created Date: 08/31/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region

PORTLAND LAUNDRY BUILDING (Continued) **S106780215**

Category: Remedial Action
Action Code Flag: False
Action: No Further Action (Conditional)
Further Action: 0
Comments: Deed Notice filed for maintaining floor within facility as a protective cap and proper soil management during any future ground disturbing activity.

Action ID: 9438
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/31/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: 0
Comments: Institutional Control in place via Deed Notice with Multnomah County.

Action ID: 9424
Region: Not reported
Complete Date: 12/23/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/23/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9469
Region: Northwestern Region
Complete Date: 12/25/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/23/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL ACTION
Further Action: 0
Comments: (UST Cleanup File: 26-94-0147)

Action ID: 9508
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/23/2004
Decode for AgencyID: Department of Environmental Quality

PORTLAND LAUNDRY BUILDING (Continued) **S106780215**

Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: 0
Comments: 1S1E02CB 9800

Action ID: 9412
Region: Northwestern Region
Complete Date: 08/29/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/22/2008
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Consent Order
Further Action: 0
Comments: During negotiations for a PPA in 2007, DEQ and the prospective purchaser (Carpet Carl) decided that the appropriate vehicle for site remedial investigation and possible actions was through a negotiated consent order.

CRL:
Facility ID: 4311
Location ID: 86986
Status Code: LIS
Facility Status: No Further Action (Conditional)
Lat/Long: 45.5103 / -122.6613

OR INSTUTIONAL CONTROL:
Site Control Sequence #: 653
Site Id: 4311
Control Sequence #: 1
Begin Date: 08/29/2012
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: C. Harman, DEQ
Last Review Date: Not reported
Last Updated By: CHARMAN
Last Updated Date: 10/09/2012
Group Sequence #: 1
Control Code: DN
Control Description: Deed Notice
FK Type Code: 1
Group Code: ID
Group Description: Informational Devices
Type Code: I
Type Description: Institutional
Comments: Deed Notice filed for maintaining floor within facility as a protective cap and proper soil management during any future ground disturbing activity.

OR BROWNFIELDS:
Geolocation Id: 86986

PORTLAND LAUNDRY BUILDING (Continued) **S106780215**

Status: No Further Action (Conditional)
Lat/Long: 45.5103 / -122.661

BE327 **HEATING OIL TANK** **OR LUST** **S106856819**
ESE **1543 SE HOLLY ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.266 mi.
1402 ft. **Site 4 of 4 in cluster BE**

Relative:
Higher

Actual:
55 ft.

LUST:
Region: North Western Region
Facility ID: 26-05-0382
Cleanup Received Date: 03/02/2005
Cleanup Start Date: 03/07/2005
Cleanup Complete Date: 04/28/2010
Decode for Region: North West Region

BG328 **HEATING OIL TANK** **OR LUST** **S113907118**
East **1407 SE 16TH** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.267 mi.
1408 ft. **Site 5 of 5 in cluster BG**

Relative:
Higher

Actual:
70 ft.

LUST:
Region: North Western Region
Facility ID: 26-13-0671
Cleanup Received Date: 05/30/2013
Cleanup Start Date: Not reported
Cleanup Complete Date: 07/09/2013
Decode for Region: North West Region

---

329 **HEATING OIL TANK** **OR LUST** **S118140540**
NE **1335 SE MORRISON ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.268 mi.
1413 ft.

Relative:
Higher

Actual:
84 ft.

LUST:
Region: North Western Region
Facility ID: 26-15-0488
Cleanup Received Date: 04/14/2015
Cleanup Start Date: Not reported
Cleanup Complete Date: Not reported
Decode for Region: North West Region

BL330 **MIRACLE AUTO PAINTING** **OR LUST** **S105154250**
SW **1800 MARTIN LUTHER KING JR BLVD** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.268 mi.
1416 ft. **Site 2 of 4 in cluster BL**

Relative:
Higher

Actual:
68 ft.

LUST:

Region:	North Western Region
Facility ID:	26-92-0356
Cleanup Received Date:	12/21/1992
Cleanup Start Date:	12/21/1992
Cleanup Complete Date:	**12/29/1993**
Decode for Region:	**North West Region**

BL331 **GOODWILL IND OF THE COLUMBIA WILLAMETTE** **OR LUST** **1000193466**
SW **1831 SE 6TH AVE** **OR UST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.269 mi.
1421 ft. **Site 3 of 4 in cluster BL**

Relative:
Higher

Actual:
68 ft.

LUST:

Region:	North Western Region
Facility ID:	26-90-0459
Cleanup Received Date:	11/29/1990
Cleanup Start Date:	11/28/1990
Cleanup Complete Date:	**12/03/1990**
Decode for Region:	**North West Region**

UST:

Facility ID:	6468
Facility Telephone:	(503) 692-5514
Permittee Name:	ALAN APLIN, SUPERVISOR
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	3
Number of Tanks:	3

BN332 **HEATING OIL TANK** **OR LUST** **S104658488**
SSE **1912 SE 12TH AVENUE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.270 mi.
1426 ft. **Site 1 of 2 in cluster BN**

Relative:
Higher

Actual:
49 ft.

LUST:

Region:	North Western Region
Facility ID:	26-00-5314
Cleanup Received Date:	07/13/2000
Cleanup Start Date:	07/13/2000
Cleanup Complete Date:	**11/13/2000**
Decode for Region:	**North West Region**

BN333
SSE
1/4-1/2
0.273 mi.
1442 ft.

HEATING OIL TANK
1918 SE 12TH AVENUE
PORTLAND, OR 97214

Site 2 of 2 in cluster BN

OR LUST **S104658490**
N/A

Relative:
Higher

Actual:
49 ft.

LUST:

Region:	North Western Region
Facility ID:	26-00-5316
Cleanup Received Date:	07/13/2000
Cleanup Start Date:	07/13/2000
Cleanup Complete Date:	**11/13/2000**
Decode for Region:	**North West Region**

BO334
SE
1/4-1/2
0.276 mi.
1455 ft.

HEATING OIL TANK
1442 SE PALM ST
PORTLAND, OR 97214

Site 1 of 3 in cluster BO

OR LUST **S109843609**
N/A

Relative:
Higher

Actual:
53 ft.

LUST:

Region:	North Western Region
Facility ID:	26-09-0255
Cleanup Received Date:	04/01/2009
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**06/02/2009**
Decode for Region:	**North West Region**

335
NNW
1/4-1/2
0.277 mi.
1461 ft.

SPIKES AUTO UPHOLSTERY BUILDING (FORMER)
726 SE 6TH AVE.
PORTLAND, OR 97214

OR ECSI **S110818318**
OR VCP **N/A**

Relative:
Higher

Actual:
44 ft.

ECSI:

State ID Number:	5554
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	831
Investigation:	No Further Action
FACA ID:	119471
Further Action:	0
Lat/Long (dms):	45 31 3.70 / -122 39 33.80
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	2
Qtr Section:	BB
Tax Lots:	4600
Size:	0.22 acre
NPL:	False
Orphan:	False
Updated By:	KROBERT

SPIKES AUTO UPHOLSTERY BUILDING (FORMER) (Continued) **S110818318**

Update Date: 01/04/2012
Created Date: 03/23/2011
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action
Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

Narrative:
NARR ID: 5753752
NARR Code: Contamination
Created By: KROBERT
Created Date: 12/15/2011
Updated By: KROBERT
Updated Date: 12/15/2011
Decode for NarcdID: Contamination
NARR Comments: (12/15/11 KJR/VCP) A Phase One Environmental Site Assessment (ESA) was completed for the site in January 2011. The single story commercial building was constructed in 1921. The building covers the entire property. Tenants of the building have included various vehicle repair businesses and is currently occupied by an auto body shop. The site is bounded by commercial or apartment properties with buildings dating back to 1908 to 1931. The recognized environmental conditions (RECs) identified during the Phase One ESA are summarized below. The property has been occupied by various vehicle repair businesses. These businesses generate various waste products. Two open floor drains were observed and videoed. The drains are connected to the municipal system but the connections may have been compromised. Another floor drain was filled by a previous tenant. A concrete patch in the north bay was noted and was reportedly a former pit for hydraulic lifts. The hydraulic lifts were removed in 1991. A photo finishing/graphic business was previously located on the property adjacent to and northeast of the site from 1970 to 2005. The site is located in the presumed down gradient direction from former photo finishing/graphic business property.

NARR ID: 5753753
NARR Code: General Site Description
Created By: KROBERT
Created Date: 12/15/2011
Updated By: KROBERT
Updated Date: 12/15/2011
Decode for NarcdID: General Site Description
NARR Comments: The single story commercial building was constructed in 1921. The building covers the entire property. Tenants of the building have included various vehicle repair businesses and is currently occupied by an auto body shop. The site is bounded by commercial or apartment properties with buildings dating back to 1908 to 1931.

NARR ID: 5753754
NARR Code: Hazardous Substance/Waste Types
Created By: KROBERT
Created Date: 12/15/2011
Updated By: KROBERT
Updated Date: 12/15/2011
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: arsenic, PCE

SPIKES AUTO UPHOLSTERY BUILDING (FORMER) (Continued) **S110818318**

NARR ID: 5753755
NARR Code: Land Use (Current/Reasonably Likely)
Created By: KROBERT
Created Date: 12/15/2011
Updated By: KROBERT
Updated Date: 12/15/2011
Decode for NarcdID: Land Use (Current/Reasonably Likely)
NARR Comments: commerical

NARR ID: 5753756
NARR Code: Remedial Action
Created By: KROBERT
Created Date: 12/15/2011
Updated By: KROBERT
Updated Date: 01/04/2012
Decode for NarcdID: Remedial Action
NARR Comments: (12/15/11 KJR/VCP) A site investigation was performed in February 2011 to evaluate site conditions related to the RECs identified during the Phase One ESA. A geophysical survey was completed prior to subsurface explorations to identify the location of drain lines connecting the floor drains. Four soil borings were advanced to depths of 24 feet below ground surface (bgs) within the site building (see Figure 2). Groundwater was encountered between 18 feet and 18.5 feet bgs. Boring SB-1 was advanced in the west portion of the south service bay. Boring SB-2 was advanced adjacent to the floor drain located in the west portion of the south service bay. Boring SB-3 was advanced adjacent to a service pit located in the east portion of the north service bay. Boring SB-4 was advanced adjacent to the juncture of the drain lines from each of the floor drains observed within the building. One soil sample and one groundwater sample were collected from each of the four borings. The soil sample from boring SB-1 was collected at 16 feet bgs, near the soil/groundwater interface. The soil samples from borings SB-2, SB-3, and SB-4 were collected at depths of 8 feet, 10 feet, and 8 feet bgs, respectively. The samples were collected at depth to evaluate the drain lines and floor drains. All soil and groundwater samples were analyzed for hydrocarbon identification, volatile organic compounds (VOCs), and total RCRA eight metals.Concentrations of total petroleum hydrocarbons and VOCs were not detected in the four soil samples above the laboratory reporting limits. Concentrations of arsenic (5.9 milligrams per kilogram (mg/kg), 6.0 mg/kg), barium (160 mg/kg to 220 mg/kg), chromium (14 mg/kg to 25 mg/kg), and/or lead (11 mg/kg to 14 mg/kg) were detected in the soil samples.Concentrations of total petroleum hydrocarbons were not detected in any of the four groundwater samples. Concentrations of VOCs were not detected in the groundwater from boring SB-1. Concentrations of tetrachloroethene (PCE) were detected in groundwater samples from borings SB-2 (1.1 micrograms per liter (ug/l)), SB-3 (1.0 ug/l), and SB-4 (1.1 ug/l) at or just above the laboratory reporting limit of 1.0 ug/l. Concentrations of other VOCs were not detected in the four groundwater samples. Concentrations of the following total metals were detected in one or more groundwater samples: arsenic (4.3 ug/l, 5.7 ug/l), barium (290 ug/l to 870 ug/l), and lead (6.1 ug/l).(1/4/12 KJR/VCP) NFA issued for site on 1/4/12. no remedial actions required.Select site documents maybe viewed in the site documents section of this database. Not reported

SPIKES AUTO UPHOLSTERY BUILDING (FORMER) (Continued) **S110818318**

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 03/23/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/23/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 11/21/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/23/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Not reported

Action ID: 9440
Region: Eastern Region
Complete Date: 12/05/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/05/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Eastern Region
Category: Remedial Action
Action Code Flag: False
Action: Letter Agreement
Further Action: 0
Comments: Q-time 42592

Action ID: 9511
Region: Eastern Region
Complete Date: 02/08/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/05/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Eastern Region
Category: Remedial Action
Action Code Flag: False
Action: SITE INVESTIGATION
Further Action: 0
Comments: Not reported

SPIKES AUTO UPHOLSTERY BUILDING (FORMER) (Continued) **S110818318**

Action ID: 9443
Region: Eastern Region
Complete Date: 01/04/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/04/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Eastern Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

VCS:
ECS Site ID: 5554
Facility Size: 0.22 acre
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 01/04/2012
End Date: 01/04/2012
Facility Status: Completed
Program: VCP
Latitude: 45.51769
Longitude: -122.6594

BP336 **HEATING OIL TANK** **OR LUST** **S112059216**
SSE **1925 SE LARCH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.280 mi.
1481 ft. **Site 1 of 5 in cluster BP**

Relative:
Higher

Actual:
50 ft.

LUST:
Region: North Western Region
Facility ID: 26-12-0455
Cleanup Received Date: 05/02/2012
Cleanup Start Date: Not reported
Cleanup Complete Date: 10/16/2012
Decode for Region: North West Region

BK337 **HEATING OIL TANK** **OR LUST** **S103543151**
East **1623 SE MAIN** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.283 mi.
1492 ft. **Site 2 of 2 in cluster BK**

Relative:
Higher

Actual:
78 ft.

LUST:
Region: North Western Region
Facility ID: 26-98-1014
Cleanup Received Date: 11/17/1998
Cleanup Start Date: 06/21/1999
Cleanup Complete Date: 02/08/2000
Decode for Region: North West Region

BO338
SE
1/4-1/2
0.283 mi.
1495 ft.

HEATING OIL TANK
1818 SE LADD AVE
PORTLAND, OR 97214

Site 2 of 3 in cluster BO

OR LUST

S112059136
N/A

Relative:
Higher

Actual:
52 ft.

LUST:

Region:	North Western Region
Facility ID:	26-12-0340
Cleanup Received Date:	04/05/2012
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**06/20/2012**
Decode for Region:	**North West Region**

BQ339
SSW
1/4-1/2
0.284 mi.
1499 ft.

HEATING OIL TANK
LOT 3 BLOCK 66
PORTLAND, OR 97214

Site 1 of 2 in cluster BQ

OR LUST

S100764017
N/A

Relative:
Higher

Actual:
64 ft.

LUST:

Region:	North Western Region
Facility ID:	26-94-6003
Cleanup Received Date:	01/18/1994
Cleanup Start Date:	01/18/1994
Cleanup Complete Date:	**02/08/1999**
Decode for Region:	**North West Region**

BP340
SSE
1/4-1/2
0.284 mi.
1502 ft.

HEATING OIL TANK
1931 SE LARCH
PORTLAND, OR 97214

Site 2 of 5 in cluster BP

OR LUST

S102959521
N/A

Relative:
Higher

Actual:
50 ft.

LUST:

Region:	North Western Region
Facility ID:	26-97-0953
Cleanup Received Date:	12/12/1997
Cleanup Start Date:	12/12/1997
Cleanup Complete Date:	**10/18/2001**
Decode for Region:	**North West Region**

BR341
NE
1/4-1/2
0.286 mi.
1512 ft.

HEATING OIL TANK
934 SE 15TH AVENUE
PORTLAND, OR 97214

Site 1 of 4 in cluster BR

OR LUST

S106117028
N/A

Relative:
Higher

Actual:
90 ft.

LUST:

Region:	North Western Region
Facility ID:	26-03-2568
Cleanup Received Date:	12/16/2003
Cleanup Start Date:	12/17/2003
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

BL342 **HEATING OIL TANK** **OR LUST** **S101385056**
SSW **1943 SE 6TH** **OR UIC** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.287 mi.
1514 ft. **Site 4 of 4 in cluster BL**

Relative:
Higher

Actual:
69 ft.

LUST:

Region:	North Western Region
Facility ID:	26-95-0019
Cleanup Received Date:	02/02/1995
Cleanup Start Date:	01/30/1995
Cleanup Complete Date:	**02/19/1997**
Decode for Region:	**North West Region**

OR UIC:

UIC Well #:	1
Type:	5D2
Type Description:	Storm Water Drainage
Status:	Active
UIC Number:	14033
Facility Status:	Registered & RA
Lat/Long:	45.5089 / -122.6602

UIC Well #:	3
Type:	5D2
Type Description:	Storm Water Drainage
Status:	Active
UIC Number:	14033
Facility Status:	Registered & RA
Lat/Long:	45.5089 / -122.6602

UIC Well #:	5
Type:	5D2
Type Description:	Storm Water Drainage
Status:	Active
UIC Number:	14033
Facility Status:	Registered & RA
Lat/Long:	45.5089 / -122.6602

UIC Well #:	6
Type:	5D2
Type Description:	Storm Water Drainage
Status:	Active
UIC Number:	14033
Facility Status:	Registered & RA
Lat/Long:	45.5089 / -122.6602

BR343 **HEATING OIL TANK** **OR LUST** **S104658749**
NE **926 SE 15TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.289 mi.
1524 ft. **Site 2 of 4 in cluster BR**

Relative:
Higher

Actual:
91 ft.

LUST:

Region:	North Western Region
Facility ID:	26-00-5720
Cleanup Received Date:	08/30/2000
Cleanup Start Date:	08/29/2000
Cleanup Complete Date:	**11/20/2000**

HEATING OIL TANK (Continued) **S104658749**

Decode for Region: **North West Region**

BS344 **HEATING OIL TANK** **OR LUST** **S104658644**
ENE **1126 SE 16TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.289 mi.
1525 ft. **Site 1 of 2 in cluster BS**

Relative:
Higher

Actual:
87 ft.

LUST:

Region:	North Western Region
Facility ID:	26-00-5563
Cleanup Received Date:	08/14/2000
Cleanup Start Date:	07/27/2000
Cleanup Complete Date:	**11/02/2000**
Decode for Region:	**North West Region**

BM345 **ROBERTSON FAMILY ENTERPRISE** **OR LUST** **U000432734**
SW **1801 SE GRAND AVE** **OR UST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.289 mi.
1525 ft. **Site 2 of 2 in cluster BM**

Relative:
Higher

Actual:
70 ft.

LUST:

Region:	North Western Region
Facility ID:	26-91-0051
Cleanup Received Date:	01/22/1991
Cleanup Start Date:	01/22/1991
Cleanup Complete Date:	**10/07/1996**
Decode for Region:	**North West Region**

UST:

Facility ID:	2091
Facility Telephone:	(503) 234-6497
Permittee Name:	I F ROBERTSON, SECRETARY/TREASURER
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	4
Number of Tanks:	4

BP346 **HEATING OIL TANK** **OR LUST** **S116760708**
SSE **1939 SE LARCH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.290 mi.
1530 ft. **Site 3 of 5 in cluster BP**

Relative:
Higher

Actual:
50 ft.

LUST:

Region:	North Western Region
Facility ID:	26-14-0706
Cleanup Received Date:	06/05/2014
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**11/17/2014**
Decode for Region:	**North West Region**

BT347
SE
1/4-1/2
0.291 mi.
1534 ft.

HEATING OIL TANK
1829-1831 SE LADD AVE
PORTLAND, OR 97214

Site 1 of 2 in cluster BT

OR LUST

S113668818
N/A

Relative:
Higher

Actual:
53 ft.

LUST:

Region:	North Western Region
Facility ID:	26-13-0107
Cleanup Received Date:	02/01/2013
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**01/22/2014**
Decode for Region:	**North West Region**

348
WSW
1/4-1/2
0.291 mi.
1535 ft.

HEATING OIL TANK
307 SE HAWTHORNE
PORTLAND, OR 97214

OR LUST

S104042465
N/A

Relative:
Higher

Actual:
55 ft.

LUST:

Region:	North Western Region
Facility ID:	26-00-5553
Cleanup Received Date:	08/11/2000
Cleanup Start Date:	07/14/2000
Cleanup Complete Date:	**09/07/2000**
Decode for Region:	**North West Region**

BO349
SE
1/4-1/2
0.291 mi.
1535 ft.

HEATING OIL TANK
1828 SE LADD AVENUE
PORTLAND, OR 97214

Site 3 of 3 in cluster BO

OR LUST

S105711473
N/A

Relative:
Higher

Actual:
53 ft.

LUST:

Region:	North Western Region
Facility ID:	26-03-0044
Cleanup Received Date:	01/07/2003
Cleanup Start Date:	01/08/2003
Cleanup Complete Date:	**04/03/2003**
Decode for Region:	**North West Region**

350
NW
1/4-1/2
0.296 mi.
1563 ft.

HEATING OIL TANK
519-535 SE MORRISON STREET
PORTLAND, OR 97214

OR LUST

S106116775
N/A

Relative:
Higher

Actual:
45 ft.

LUST:

Region:	North Western Region
Facility ID:	26-03-2160
Cleanup Received Date:	10/10/2003
Cleanup Start Date:	10/13/2003
Cleanup Complete Date:	**12/18/2007**
Decode for Region:	**North West Region**

BP351 **HEATING OIL TANK** **OR LUST** **S110737717**
SSE **1950 SE LARCH** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.301 mi.
1590 ft. **Site 4 of 5 in cluster BP**

Relative:
Higher

Actual:
51 ft.

LUST:

Region:	North Western Region
Facility ID:	26-10-1110
Cleanup Received Date:	11/03/2010
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**02/08/2011**
Decode for Region:	**North West Region**

BP352 **HEATING OIL TANK** **OR LUST** **S108572707**
SSE **1959 SE LARCH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.303 mi.
1601 ft. **Site 5 of 5 in cluster BP**

Relative:
Higher

Actual:
50 ft.

LUST:

Region:	North Western Region
Facility ID:	26-07-0055
Cleanup Received Date:	01/17/2007
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**05/17/2007**
Decode for Region:	**North West Region**

---

353 **LEWIS BROS MEATS** **OR LUST** **U000432705**
North **1005 SE WASHINGTON ST** **OR UST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.304 mi.
1607 ft.

Relative:
Higher

Actual:
66 ft.

LUST:

Region:	North Western Region
Facility ID:	26-92-0038
Cleanup Received Date:	02/18/1992
Cleanup Start Date:	02/18/1992
Cleanup Complete Date:	**06/09/1992**
Decode for Region:	**North West Region**

UST:

Facility ID:	10084
Facility Telephone:	(503)234-5284
Permittee Name:	CHRISTINE, BOOKKEEPER
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	2
Number of Tanks:	2

BS354
ENE
1/4-1/2
0.306 mi.
1616 ft.

HEATING OIL TANK
1636 SE TAYLOR ST
PORTLAND, OR 97214

Site 2 of 2 in cluster BS

OR LUST

S108987346
N/A

Relative:
Higher

Actual:
89 ft.

LUST:

Region:	North Western Region
Facility ID:	26-07-1794
Cleanup Received Date:	11/29/2007
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**03/11/2008**
Decode for Region:	**North West Region**

BR355
NE
1/4-1/2
0.308 mi.
1624 ft.

HEATING OIL TANK
1525 SE BELMONT ST
PORTLAND, OR 97214

Site 3 of 4 in cluster BR

OR LUST

S107465806
N/A

Relative:
Higher

Actual:
93 ft.

LUST:

Region:	North Western Region
Facility ID:	26-05-1686
Cleanup Received Date:	08/05/2005
Cleanup Start Date:	08/08/2005
Cleanup Complete Date:	**10/12/2005**
Decode for Region:	**North West Region**

356
ENE
1/4-1/2
0.308 mi.
1628 ft.

HEATING OIL TANK
1024 SE 16TH
PORTLAND, OR 97214

OR LUST

S102417469
N/A

Relative:
Higher

Actual:
93 ft.

LUST:

Region:	North Western Region
Facility ID:	26-95-0338
Cleanup Received Date:	12/14/1995
Cleanup Start Date:	12/14/1995
Cleanup Complete Date:	**10/17/2005**
Decode for Region:	**North West Region**

357
NNW
1/4-1/2
0.311 mi.
1644 ft.

7TH & ALDER CARDLOCK
635 SE 7TH
PORTLAND, OR 97214

OR LUST
OR UST
OR HSIS

U004015141
N/A

Relative:
Higher

Actual:
42 ft.

LUST:

Region:	North Western Region
Facility ID:	26-06-0758
Cleanup Received Date:	05/02/2006
Cleanup Start Date:	05/02/2006
Cleanup Complete Date:	**08/25/2011**
Decode for Region:	**North West Region**

Region:	North Western Region

7TH & ALDER CARDLOCK (Continued) **U004015141**

Facility ID: 26-97-0521
Cleanup Received Date: 07/11/1997
Cleanup Start Date: 08/21/1997
Cleanup Complete Date: 06/04/1999
Decode for Region: North West Region

UST:
Facility ID: 171
Facility Telephone: (253) 867-3227
Permittee Name: Selim Abounader
Number of Permitted Tanks: 4
Active Tanks: 4
Decommissioned Tanks: 3
Number of Tanks: 7

HSIS:
Facility Id: 043976
Chemical Is Extremely Hazardous Substance (EHS): No
Department Or Division Of Company: 7TH & ALDER CARDLOCK
Facility Has Written Emergency Plan: No
Contains 112R: No
NAICS Code 1: 424710
NAICS Desc 1: PETROLEUM BULK STATIONS & TERMINALS
NAICS Code 2: 000000
NAICS Desc 2: Not reported
Manager Name: SELIM ABOUNADER
Business Phone: 8003673835
Mailing Address: PO BOX 40
Mailing City,St,Zip: KENT, WA 980350040
No. of Employees: 0
Day Phone: 5037800052
Placard: No
Fire Dept Code: 0291
Sprinkler System: No
Emergency Contact: CHRIS HETZER
Emergency Procedure: EQUIP ROOM
Business Type: UNATTENDED CARDLOCK

Facility:
Facility Id: 043976
Physical State Of The Substance: 2
Physical State: LIQUID
Average Amount Possessed During The Year Code: 20
Maximum Amount Possessed During The Year Code: 30
Applicable Unit Of Measure Code: 2
Description Of The Unit Of Measure: GALLONS
Type Code: B
Description: UNDERGROUND TANK
Type Code: Not reported
Temperature Description: Not reported
Pressure of Code: 1
Pressure Description: NORMAL PRESSURE
Pressure of Code: Not reported
Pressure Description: Not reported
Temperature Description: NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code: 4
Temperature Description: Not reported

7TH & ALDER CARDLOCK (Continued) **U004015141**

Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	10,000-49,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	PETROLEUM MID-DISTILLATES
United Nations/north America 4 Digit Class Number:	1993
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Flammable and Combustible Liquid
Second Hazardous Class Code For Chemical:	Acute Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	3.0
Hazard Class 2 Of The Chemical:	6.3
Hazard Class 3 Of The Chemical:	Not reported

Chemical:

United Nations/north America 4 Digit Class Number:	1993
Chemical Abstract Service Identifier Number:	68476346
Chemical Is Extremely Hazardous Substance (EHS):	No
First Hazardous Class Code For Chemical:	Flammable and Combustible Liquid
Second Hazardous Class Code For Chemical:	Acute Health Hazard
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	3.0
Hazard Class 2 Of The Chemical:	6.3
Hazard Class 3 Of The Chemical:	Not reported
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Contains 112R:	No
Contains EHS:	No
Fertilizer:	No
Pesticide:	No
Contains 313:	No

Facility Id:	043976
Physical State Of The Substance:	2
Physical State:	LIQUID
Average Amount Possessed During The Year Code:	30
Maximum Amount Possessed During The Year Code:	30
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	B
Description:	UNDERGROUND TANK
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False

7TH & ALDER CARDLOCK (Continued) **U004015141**

Description Of The Max Qnty Code:	10,000-49,999
Description Of The Avg Qnty Code:	10,000-49,999
Most Hazardous Ingridient:	PETROLEUM DISTILLATES
United Nations/north America 4 Digit Class Number:	1203
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Flammable and Combustible Liquid
Second Hazardous Class Code For Chemical:	Acute Health Hazard
Third Hazardous Class Code For Chemical:	Chronic Health Hazard
Hazard Class 1 Of The Chemical:	3.0
Hazard Class 2 Of The Chemical:	6.3
Hazard Class 3 Of The Chemical:	6.4

Chemical:

United Nations/north America 4 Digit Class Number:	1203
Chemical Abstract Service Identifier Number:	8006619
Chemical Is Extremely Hazardous Substance (EHS):	No
First Hazardous Class Code For Chemical:	Flammable and Combustible Liquid
Second Hazardous Class Code For Chemical:	Acute Health Hazard
Third Hazardous Class Code For Chemical:	Chronic Health Hazard
Hazard Class 1 Of The Chemical:	3.0
Hazard Class 2 Of The Chemical:	6.3
Hazard Class 3 Of The Chemical:	6.4
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Contains 112R:	Yes
Contains EHS:	No
Fertilizer:	No
Pesticide:	No
Contains 313:	Yes

---

358 **HEATING OIL TANK** **OR LUST** **S116561641**
SSE **2014 SE 11TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.312 mi.
1646 ft.

Relative:
Higher

Actual:
49 ft.

LUST:

Region:	North Western Region
Facility ID:	26-14-0220
Cleanup Received Date:	03/06/2014
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

BQ359
SSW
1/4-1/2
0.312 mi.
1648 ft.

HEATING OIL TANK
2010 SE 8TH AVE
PORTLAND, OR 97214

Site 2 of 2 in cluster BQ

OR LUST **S117565690**
N/A

Relative:
Higher

Actual:
62 ft.

LUST:

Region:	North Western Region
Facility ID:	26-14-1571
Cleanup Received Date:	11/18/2014
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**01/21/2015**
Decode for Region:	**North West Region**

BU360
ESE
1/4-1/2
0.312 mi.
1649 ft.

HEATING OIL TANK
1606 SE HOLLY ST
PORTLAND, OR 97214

Site 1 of 6 in cluster BU

OR LUST **S113907096**
N/A

Relative:
Higher

Actual:
62 ft.

LUST:

Region:	North Western Region
Facility ID:	26-13-0636
Cleanup Received Date:	05/22/2013
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**01/07/2014**
Decode for Region:	**North West Region**

BU361
ESE
1/4-1/2
0.315 mi.
1662 ft.

HEATING OIL TANK
1615 SE HOLLY
PORTLAND, OR 97214

Site 2 of 6 in cluster BU

OR LUST **S109843338**
N/A

Relative:
Higher

Actual:
63 ft.

LUST:

Region:	North Western Region
Facility ID:	26-09-0268
Cleanup Received Date:	04/03/2009
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**10/02/2009**
Decode for Region:	**North West Region**

BT362
SE
1/4-1/2
0.315 mi.
1664 ft.

HEATING OIL TANK
1861 SE LADD AVE
PORTLAND, OR 97214

Site 2 of 2 in cluster BT

OR LUST **S110292682**
N/A

Relative:
Higher

Actual:
54 ft.

LUST:

Region:	North Western Region
Facility ID:	26-10-0039
Cleanup Received Date:	01/22/2010
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**12/09/2010**
Decode for Region:	**North West Region**

BU363 **HEATING OIL TANK** **OR LUST** **S108572540**
ESE **1625 SE HOLLY ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.321 mi.
1696 ft. **Site 3 of 6 in cluster BU**

Relative:
Higher

Actual:
64 ft.

LUST:
Region: North Western Region
Facility ID: 26-07-0575
Cleanup Received Date: 04/27/2007
Cleanup Start Date: Not reported
Cleanup Complete Date: 09/12/2007
Decode for Region: North West Region

---

364 **HEATING OIL TANK** **OR LUST** **S111210584**
SE **1753 SE MAPLE ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.326 mi.
1722 ft.

Relative:
Higher

Actual:
56 ft.

LUST:
Region: North Western Region
Facility ID: 26-11-0425
Cleanup Received Date: 05/09/2011
Cleanup Start Date: Not reported
Cleanup Complete Date: 09/28/2011
Decode for Region: North West Region

BU365 **HEATING OIL TANK** **OR LUST** **S105981612**
ESE **1630 SE HOLLY STREET** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.328 mi.
1730 ft. **Site 4 of 6 in cluster BU**

Relative:
Higher

Actual:
63 ft.

LUST:
Region: North Western Region
Facility ID: 26-03-1861
Cleanup Received Date: 09/05/2003
Cleanup Start Date: 09/08/2003
Cleanup Complete Date: 12/29/2003
Decode for Region: North West Region

BU366 **HEATING OIL TANK** **OR LUST** **S108572496**
ESE **1718 SE 16TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.328 mi.
1731 ft. **Site 5 of 6 in cluster BU**

Relative:
Higher

Actual:
59 ft.

LUST:
Region: North Western Region
Facility ID: 26-07-0471
Cleanup Received Date: 04/11/2007
Cleanup Start Date: Not reported
Cleanup Complete Date: 10/23/2007
Decode for Region: North West Region

367
North
1/4-1/2
0.329 mi.
1737 ft.

THOEN TRUCK RENTALS
526 SE 9TH
PORTLAND, OR 97214

OR LUST **U003999160**
OR UST **N/A**

Relative:
Higher

Actual:
61 ft.

LUST:

Region:	North Western Region
Facility ID:	26-90-0257
Cleanup Received Date:	07/20/1990
Cleanup Start Date:	08/02/1990
Cleanup Complete Date:	**08/08/1990**
Decode for Region:	**North West Region**

UST:

Facility ID:	10512
Facility Telephone:	(503) 239-4363
Permittee Name:	THOMAS NORVELL
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	3
Number of Tanks:	3

BV368
East
1/4-1/2
0.329 mi.
1738 ft.

HEATING OIL TANK
1717 SE MAIN ST
PORTLAND, OR 97214

Site 1 of 3 in cluster BV

OR LUST **S104907967**
N/A

Relative:
Higher

Actual:
84 ft.

LUST:

Region:	North Western Region
Facility ID:	26-01-5222
Cleanup Received Date:	02/07/2001
Cleanup Start Date:	02/07/2001
Cleanup Complete Date:	**09/05/2001**
Decode for Region:	**North West Region**

BW369
NE
1/4-1/2
0.330 mi.
1742 ft.

HEATING OIL TANK
1511 SE MORRISON ST
PORTLAND, OR 97214

Site 1 of 2 in cluster BW

OR LUST **S108834614**
N/A

Relative:
Higher

Actual:
99 ft.

LUST:

Region:	North Western Region
Facility ID:	26-07-1033
Cleanup Received Date:	07/16/2007
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**10/23/2007**
Decode for Region:	**North West Region**

BX370 **HEATING OIL TANK** **OR LUST** **S110292668**
SSE **1301 SE HARRISON** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.331 mi.
1747 ft. **Site 1 of 5 in cluster BX**

Relative:
Higher

Actual:
51 ft.

LUST:
Region: North Western Region
Facility ID: 26-10-0184
Cleanup Received Date: 03/10/2010
Cleanup Start Date: Not reported
Cleanup Complete Date: 03/23/2010
Decode for Region: North West Region

BR371 **HEATING OIL TANK** **OR LUST** **S114397442**
ENE **907 SE 16TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.331 mi.
1749 ft. **Site 4 of 4 in cluster BR**

Relative:
Higher

Actual:
100 ft.

LUST:
Region: North Western Region
Facility ID: 26-13-0928
Cleanup Received Date: 07/16/2013
Cleanup Start Date: Not reported
Cleanup Complete Date: 07/29/2014
Decode for Region: North West Region

---

372 **HEATING OIL TANK** **OR LUST** **S104658013**
East **1727 SE MADISON STREET** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.333 mi.
1760 ft.

Relative:
Higher

Actual:
82 ft.

LUST:
Region: North Western Region
Facility ID: 26-00-0493
Cleanup Received Date: 04/10/2000
Cleanup Start Date: 04/10/2000
Cleanup Complete Date: 05/31/2000
Decode for Region: North West Region

BX373 **HEATING OIL TANK** **OR LUST** **S104820108**
SSE **2003 SE LARCH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.335 mi.
1771 ft. **Site 2 of 5 in cluster BX**

Relative:
Higher

Actual:
51 ft.

LUST:
Region: North Western Region
Facility ID: 26-00-6298
Cleanup Received Date: 11/07/2000
Cleanup Start Date: 11/03/2000
Cleanup Complete Date: 01/30/2001
Decode for Region: North West Region

BY374
SSE
1/4-1/2
0.336 mi.
1775 ft.

LADD'S ADDITION APARTMENTS
2014 SE 12TH STREET
PORTLAND, OR 97214

CERCLIS-NFRAP | **1010417316** | **ORN001002713**

Site 1 of 3 in cluster BY

Relative:
Higher

Actual:
50 ft.

CERCLIS-NFRAP:

Site ID:	1002713
Federal Facility:	Not a Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID:	13023799.00000
Person ID:	10270371.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name:	LADD'S ADDITIONAL APARTMENTS
Alias Address:	2014 SE 12TH STREET PORTLAND, OR 97214

CERCLIS-NFRAP Assessment History:

Action:	ARCHIVE SITE
Date Started:	/ /
Date Completed:	02/15/11
Priority Level:	Not reported

Action:	POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started:	05/08/07
Date Completed:	05/16/07
Priority Level:	Cleaned up

BY375
SSE
1/4-1/2
0.336 mi.
1775 ft.

LADD'S ADDITION APARTMENTS
2014 SE 12TH AVE
PORTLAND, OR 97214

OR LUST | **S108523873**
OR HAZMAT | **N/A**
OR MANIFEST

Site 2 of 3 in cluster BY

Relative:
Higher

Actual:
50 ft.

LUST:

Region:	North Western Region
Facility ID:	26-15-0009
Cleanup Received Date:	01/06/2015
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**02/04/2015**
Decode for Region:	**North West Region**

HAZMAT:

Responsble Party:	MIKE SCHAFFER
RP Company:	Not reported
RP Address:	2014 SE 12TH AVE
RP City,St,Zip:	PORTLAND, OR 97214
Facility ID:	070026
OERS Number:	20070914
Dept Rsp:	PORTLAND BUREAU OF F&R&EMS
Narrative:	Not reported
Property Loss:	Not reported
Amount Released:	Not reported
Service County:	Not reported

LADD'S ADDITION APARTMENTS (Continued) **S108523873**

Service Name:	Not reported
Incident Type:	Not reported
Civilian Casualty Activity:	Not reported
Chemical Name:	Not reported
Hazmat Area Affected:	Not reported
Hazmat Area Evacuated:	Not reported
Hazmat Container Type:	Not reported
Hazmat Physical State Released:	Not reported
Hazmat Released Into:	Not reported
Hazmat Released Volume Units:	Not reported
Hazmat Released Weight Units:	Not reported
Hazmat Released From:	Not reported
Hazmat Area Affected Measurement:	Not reported
Hazmat No. of People Evacuated:	Not reported
Hazmat No of Buildings Evacuated:	Not reported
Incident Content Loss:	Not reported
Civilian Casualty Patient Disposition:	Not reported
Incident Mixed Use Property:	Not reported
Location Type:	Not reported
Incident Aid Given Or Received:	Not reported
Incident AID Received from FDID:	Not reported
Incident Aided Department FDID:	Not reported
Person Involved Business Name:	Not reported
Person Involved First Name:	Not reported
Person Involved Last Name:	Not reported
Person Involved Type:	Not reported
Person Involved Phone Number:	Not reported
Person Involved Primary Language:	Not reported
Hazmat Evacuated Measurement:	Not reported
Hazmat Story of Release:	Not reported
Remark:	Not reported
Incident District:	PORTLAND BUREAU OF F&R&EMS
Date Added:	06/01/2007
Unit:	Not reported
Agency Phone:	5038233856
Osfm Incident Report Number:	070026
Dept. Responding:	PORTLAND BUREAU OF F&R&EMS
Person Making Report:	JAMES FORQUER
Title:	FIRE CAPTAIN
Agency:	PORTLAND BUREAU OF F&R&EMS
Phone:	5038233856
Date Of Incident:	05/05/2007
Call Time:	8:22:00 PM
In Route:	8:23:00 PM
Arrival:	8:25:00 PM
Depart Scene:	1:05:00 AM
Back In Quarters:	1:25:00 AM
In Service:	1:05:00 AM
Dist Of Incident:	PORTLAND BUREAU OF F&R&EMS
Were State Resources Used?:	True
Was Oers Notified?:	True
Oers Number:	20070914
Team Number:	HM06
Agency Report Number:	FP07021281
Unit:	Not reported
Highway:	Not reported
Mile Post:	Not reported

LADD'S ADDITION APARTMENTS (Continued) **S108523873**

Scene Type:	Private Structure
Area Type:	Residential
Responsible Party(Ies):	MIKE SCHAFFER
Company:	Not reported
Respcontact:	Not reported
Address:	2014 SE 12TH AVE
Resp City:	PORTLAND
Resp State:	OR
Resp ZipCode:	97214
Phone:	5039701406
Resp Phone2:	Not reported
Weather:	1
Temperature:	3
Wind Speed:	1
Wind Direction:	SW
Were Haz Materials Released?:	True
Operation Performed:	During Manufacture
Cause:	Improper Handling
Vehicle And Cargo:	0
Fixed Property:	0
Total Loss:	$0.00
Hazmat Population Density:	Not reported
HazMat Actions Taken - Description:	Not reported
Hazmat Factors Contributing To Release:	Not reported
Hazmat DOT Hazard Classification:	Not reported
Hazmat CAS Number:	Not reported
Hazardous Materials Release:	Not reported
Fire Incident Type:	Not reported
Property Use:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Hazmat Disposition:	Not reported

HAZMAT:

Casualties Id:	811
Incident Id:	070026
Casualties Type:	3
Injury Exp:	10
Injury Other:	0
Death Exp:	0
Death Other:	0
Hopitalized:	0

Casualties Id:	812
Incident Id:	070026
Casualties Type:	1
Injury Exp:	10
Injury Other:	0
Death Exp:	0
Death Other:	0
Hopitalized:	0

Chemical:

Chemical Info:	8871
Chemical Id:	26667
Incident Id:	070026
Chemical Name:	SODIUM

LADD'S ADDITION APARTMENTS (Continued) **S108523873**

UNNA:	Not reported
Amount At Risk:	1
Amount Released:	1
Amount Measured:	3
Biological:	False
Radiological:	False
Chemical Id:	26667
Chemical Name:	SODIUM
Hazardous Ingredient:	SODIUM
Hazardous Class 1:	4.3
Hazardous Class 2:	4.1
Hazardous Rank:	2
Case Number:	7440235
UNNA Number:	1428
EPA Pest Reg:	Not reported
EHA Chem:	Not reported
PSM Chem:	Not reported
CAA 112R Chem:	Not reported
Chemical Info:	8872
Chemical Id:	18208
Incident Id:	070026
Chemical Name:	MERCURY
UNNA:	Not reported
Amount At Risk:	2
Amount Released:	2
Amount Measured:	3
Biological:	False
Radiological:	False
Chemical Id:	18208
Chemical Name:	MERCURY
Hazardous Ingredient:	MERCURY
Hazardous Class 1:	6.1
Hazardous Class 2:	6.3
Hazardous Rank:	2
Case Number:	7439976
UNNA Number:	2809
EPA Pest Reg:	Not reported
EHA Chem:	N
PSM Chem:	Not reported
CAA 112R Chem:	N
Chemical Info:	8873
Chemical Id:	1985
Incident Id:	070026
Chemical Name:	ALUMINUM
UNNA:	Not reported
Amount At Risk:	1
Amount Released:	1
Amount Measured:	3
Biological:	False
Radiological:	False
Chemical Id:	1985
Chemical Name:	ALUMINUM

LADD'S ADDITION APARTMENTS (Continued) **S108523873**

Hazardous Ingredient: ALUMINUM
Hazardous Class 1: 9.0
Hazardous Class 2: Not reported
Hazardous Rank: 2
Case Number: 7429905
UNNA Number: 1383
EPA Pest Reg: Not reported
EHA Chem: Not reported
PSM Chem: Not reported
CAA 112R Chem: Not reported

Method:
Method Used Id: 7387
Incident Id: 070026
Identity Method: 5

Released:
Release Behavior Id: 8861
Incident Id: 070026
Behavior: 3

Release Behavior Id: 8862
Incident Id: 070026
Behavior: 8

Release Behavior Id: 8863
Incident Id: 070026
Behavior: 1

Release Behavior Id: 8864
Incident Id: 070026
Behavior: 4

Narrative:
Narrative Id: 7757
Incident Id: 070026
Incident Narrative: PR&R E-23 and T-1 responded to a report of an odor/smoke problem at the above listed address. On arrival, occupants informed crews that white smoke was visible in the first floor hallway. Investigation confirmed that light smoke was present in the first floor hall and crews noticed a metallic taste as they proceeded into the first floor. A set of double doors separates the first floor hallway and as crews past through the doors the smoke increased in volume. Crews continued down the hallway to locate the source and identified a probable room on the north east corner of the building. Crews cut a padlock to gain entry and found the room charged with white smoke. An exterior door was opened to allow ventilation and location of the source. As smoke cleared, a pile of debris was located on the floor near the center of the room and crews began feeling discomfort in their nose and throat. E-23 directed crews to with draw from the area and elevated the response to a Haz Mat level II response through investigator Wong. HazMat 6 arrived and contacted an occupant of the apartment building named Thomas Gambro. Mr. Gambro explained that he was following a patented formula for the creation of an alternative fuel cell. He was attempting to create an amalgum of an alkali metal (sodium), mercury, and aluminum in an inert atmosphere (nitrogen).

LADD'S ADDITION APARTMENTS (Continued) **S108523873**

The mixture is heated in a controlled atmosphere and when cooled becomes a material that generates hydrogen by decomposition of water. Mr. Gambaro believed that the reaction was complete after examining the top portion of the mixture in the pressure cooker. When he dumped the material out onto his desk the remaining material ignited in air and began producing smoke. Mr. Gambaro swept the material onto the floor and attempted to control the reaction. After several minutes he left the room. After interviewing Mr. Gambaro HazMat 6 initiated resource and communications with OHSU poison control. To prevent additional exposure, E-23 crew in full firefighting turnouts with SCBA used the Entry Link Camera under the direction of HazMat 6 team members to evaluate the hot zone. Team entry occurred @ 2156 with no visible smoke or reaction taking place. Entry team evaluated Hot Zone from north entrance and team 6 members viewed make shift lab on monitor in apparatus. See plot plan for basic room layout and chemical locations. Entry team made two entries and was out of Hot Zone by 2203. Evacuation of building had taken place prior to HazMat 6 arrival and based on Hot Zone observations a recommendation was made to command to keep building secure and unoccupied until contamination evaluation could be performed by contractor. Initial information from poison control toxicologist recommended that civilian and fire service exposures be evaluated for mercury exposure. Haz Mat 6 recommended to command that members turnouts and equipment be bagged and evaluated for contamination. Haz Mat 6 assisted PF&R members with removal and bagging of clothing and preliminary clean up. A tenant contact list was established and preliminary information was provided to building occupants. Red Cross was activated for occupants unable to find shelter. Building security turned over to owner @ 0100 on 5/6/07.

Incident Date: 5/5/2007

OR MANIFEST:

Manifest Year:	Manifest Year - 2007
EPA Id:	ORQ000026697
Inactive Status:	2007-12-31 00:00:00
Organization Name:	Not reported
Contact Name:	Dana Pompetti
Contact Telephone Number:	503 283-1150
Mailing Address:	6211 N. Ensign St.
Mailing City/State/Zip:	Portland, OR 97217

Manifest:

Year :	2007
RCRA Id :	ORQ000026697
Inactive :	2007-12-31 00:00:00
Status:	Large quantity generator
Manifest :	000329550
Ship Date :	05/21/2007
TSD :	MOD981123391
WS Num:	4
Transporter:	OKD007222128
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H010
EPA Waste Codes:	D003

LADD'S ADDITION APARTMENTS (Continued) **S108523873**

Waste Description: Sodium
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1.3600000000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 1.3600000000000001

Year : 2007
RCRA Id : ORQ000026697
Inactive : 2007-12-31 00:00:00
Status: Large quantity generator
Manifest : 000329550
Ship Date : 05/21/2007
TSD : MOD981123391
WS Num: 2
Transporter: OKD007222128
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D009
Waste Description: Mercury
Total Amt Of Waste Stream Generated in Reporting Yr 1: 0.45000000000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 0.45000000000000001

Year : 2007
RCRA Id : ORQ000026697
Inactive : 2007-12-31 00:00:00
Status: Large quantity generator
Manifest : 000329549
Ship Date : 05/21/2007
TSD : ORD089452353
WS Num: 6
Transporter: ORQ000020644
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H112
EPA Waste Codes: D009
Waste Description: Mercury Contaminated Debris
Total Amt Of Waste Stream Generated in Reporting Yr 1: 4081.5
Total Amt Of Waste Stream Generated in Reporting Yr 2: 4081.5

Year : 2007
RCRA Id : ORQ000026697
Inactive : 2007-12-31 00:00:00
Status: Large quantity generator
Manifest : 000329550
Ship Date : 05/21/2007
TSD : MOD981123391
WS Num: 1
Transporter: OKD007222128
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D001
Waste Description: Flammable Liquids
Total Amt Of Waste Stream Generated in Reporting Yr 1: 6.7999999999999998
Total Amt Of Waste Stream Generated in Reporting Yr 2: 6.7999999999999998

Year : 2007
RCRA Id : ORQ000026697

LADD'S ADDITION APARTMENTS (Continued) **S108523873**

Inactive :	2007-12-31 00:00:00
Status:	Large quantity generator
Manifest :	000329550
Ship Date :	05/21/2007
TSD :	MOD981123391
WS Num:	3
Transporter:	OKD007222128
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H010
EPA Waste Codes:	D001
Waste Description:	Aluminum Powder
Total Amt Of Waste Stream Generated in Reporting Yr 1:	2.27
Total Amt Of Waste Stream Generated in Reporting Yr 2:	2.27

Year :	2007
RCRA Id :	ORQ000026697
Inactive :	2007-12-31 00:00:00
Status:	Large quantity generator
Manifest :	000329550
Ship Date :	05/21/2007
TSD :	MOD981123391
WS Num:	5
Transporter:	OKD007222128
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H010
EPA Waste Codes:	D009
Waste Description:	Mercury Compounds
Total Amt Of Waste Stream Generated in Reporting Yr 1:	272.10000000000002
Total Amt Of Waste Stream Generated in Reporting Yr 2:	272.10000000000002

BZ376 **HEATING OIL TANK** **OR LUST** **S114397641**
SSW **2039 SE 7TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.337 mi.
1779 ft. **Site 1 of 2 in cluster BZ**

Relative:
Higher

Actual:
67 ft.

LUST:

Region:	North Western Region
Facility ID:	26-13-1267
Cleanup Received Date:	09/23/2013
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**08/13/2014**
Decode for Region:	**North West Region**

BV377 **HEATING OIL TANK** **OR LUST** **S113668850**
East **1734 SE MAIN ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.337 mi.
1781 ft. **Site 2 of 3 in cluster BV**

Relative:
Higher

Actual:
87 ft.

LUST:

Region:	North Western Region
Facility ID:	26-13-0152
Cleanup Received Date:	02/13/2013
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**07/30/2013**
Decode for Region:	**North West Region**

BX378 **HEATING OIL TANK** **OR LUST** **S106856817**
SSE **1311 SE HARRISON ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.338 mi.
1783 ft. **Site 3 of 5 in cluster BX**

Relative:
Higher

Actual:
52 ft.

LUST:

Region:	North Western Region
Facility ID:	26-05-0380
Cleanup Received Date:	03/01/2005
Cleanup Start Date:	03/07/2005
Cleanup Complete Date:	**06/02/2005**
Decode for Region:	**North West Region**

BW379 **HEATING OIL TANK** **OR LUST** **S113668845**
NE **1537 SE MORRISON ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.340 mi.
1794 ft. **Site 2 of 2 in cluster BW**

Relative:
Higher

Actual:
102 ft.

LUST:

Region:	North Western Region
Facility ID:	26-13-0142
Cleanup Received Date:	02/11/2013
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**03/06/2013**
Decode for Region:	**North West Region**

BX380 **HEATING OIL TANK** **OR LUST** **S104024203**
SSE **1315 SE HARRISON** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.341 mi.
1799 ft. **Site 4 of 5 in cluster BX**

Relative:
Higher

Actual:
52 ft.

LUST:

Region:	North Western Region
Facility ID:	26-99-1000
Cleanup Received Date:	08/30/1999
Cleanup Start Date:	08/20/1999
Cleanup Complete Date:	**12/28/1999**
Decode for Region:	**North West Region**

BX381
SSE
1/4-1/2
0.342 mi.
1804 ft.

HEATING OIL TANK
2021 SE LARCH AVE
PORTLAND, OR 97214

Site 5 of 5 in cluster BX

OR LUST **S111834815**
N/A

Relative:
Higher

Actual:
51 ft.

LUST:

Region:	North Western Region
Facility ID:	26-12-0290
Cleanup Received Date:	03/23/2012
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**07/10/2012**
Decode for Region:	**North West Region**

382
WNW
1/4-1/2
0.343 mi.
1813 ft.

NOR-AIR BUILDING
933 SE 3RD ST
PORTLAND, OR 97214

OR LUST **U000432717**
OR UST **N/A**

Relative:
Higher

Actual:
43 ft.

LUST:

Region:	North Western Region
Facility ID:	26-91-0097
Cleanup Received Date:	02/08/1991
Cleanup Start Date:	02/08/1991
Cleanup Complete Date:	**03/05/1992**
Decode for Region:	**North West Region**

UST:

Facility ID:	10638
Facility Telephone:	(503) 234-0251
Permittee Name:	L E HARRIS, PRES
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	2
Number of Tanks:	2

383
North
1/4-1/2
0.344 mi.
1814 ft.

FASPEC BRITISH PARTS
1036 SE STARK ST
PORTLAND, OR 97214

OR LUST **U004106696**
OR UST **N/A**

Relative:
Higher

Actual:
73 ft.

LUST:

Region:	North Western Region
Facility ID:	26-06-2051
Cleanup Received Date:	11/15/2006
Cleanup Start Date:	05/29/2007
Cleanup Complete Date:	**08/26/2008**
Decode for Region:	**North West Region**

UST:

Facility ID:	12291
Facility Telephone:	(503) 225-0081
Permittee Name:	KEITH R. SWENSEN
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported

FASPEC BRITISH PARTS (Continued) **U004106696**

Decommissioned Tanks: 2
Number of Tanks: 2

BU384 **HEATING OIL TANK** **OR LUST** **S109494176**
ESE **1661 SE HOLLY ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.344 mi.
1818 ft. **Site 6 of 6 in cluster BU**

Relative:
Higher

Actual:
68 ft.

LUST:

Region:	North Western Region
Facility ID:	26-08-1378
Cleanup Received Date:	10/23/2008
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**12/08/2008**
Decode for Region:	**North West Region**

CA385 **REXEL/TAYLOR ELECTRICAL SUPPLY** **OR ECSI** **S108059928**
WSW **240 SE CLAY ST.** **OR VCP** **N/A**
1/4-1/2 **PORTLAND, OR 97214** **OR BROWNFIELDS**
0.346 mi. **OR SPILLS**
1827 ft. **Site 1 of 2 in cluster CA**

Relative:
Higher

Actual:
55 ft.

ECSI:

State ID Number:	4632
Brown ID:	Brownfield Site - DEQ Tech Assistance
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	Suspect
FACA ID:	96774
Further Action:	0
Lat/Long (dms):	45 30 40.30 / -122 39 47.90
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	3
Qtr Section:	DA
Tax Lots:	1900
Size:	0.92 acres
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	06/22/2015
Created Date:	05/22/2006
Decode For RegionID:	Northwest Region
Decode For BrownID:	Brownfield Site - DEQ Technical Assistance
Decode For Furtheract:	Not reported
Decode For Investstat:	Suspect
Decode For Legislative:	Not reported
Alias Name:	Fisher's Terrace
Alias Name:	Taylor Warehouse Fire

REXEL/TAYLOR ELECTRICAL SUPPLY (Continued) **S108059928**

Narrative:

NARR ID: 5748220
NARR Code: Contamination
Created By: MPUGH
Created Date: 06/20/2006
Updated By: TGAINER
Updated Date: 10/29/2012
Decode for NarcdID: Contamination
NARR Comments: Fire suppression water entered the City storm drain system and resulted in a sheen on the Willamette River but no free product warranting recovery efforts was present. Likely elevated metals and possible PAHs in fire debris. PGE submitted a report that indicated PCB-containing transformers were consumed in the fire. however, no environmental media have been sampled. PGE conducted a ***Preliminary Assessment, Outfall 33 Drainage Area*** (5/7/10) that included the Rexel-Taylor property, then collected fire debris samples (***Data Report,*** 8/19/10). Fire debris, primarily located on concrete slab foundations, contained elevated levels of metals, PCBs, dioxin/furans, and PAHs.The property owner, HMB Corp., removed fire debris and disposed of it off site, and removed sediment in adjacent stoirmwater catch basins and pipelines (***Environmental Assessment and Remediation Report,*** October 15, 2012).

NARR ID: 5748224
NARR Code: Data Sources
Created By: MPUGH
Created Date: 06/20/2006
Updated By: TGAINER
Updated Date: 10/29/2012
Decode for NarcdID: Data Sources
NARR Comments: Transformer Oil Release Report, OERS No. 06-1238, PGE, June 8, 2006.Preliminary Assessment, Outfall 33 Drainage Area, 5/7/10.Data Report, 8/19/10.Environmental Assessment and Remediation Report, October 15, 2012.

NARR ID: 5748225
NARR Code: General Site Description
Created By: MPUGH
Created Date: 06/20/2006
Updated By: MGREENB
Updated Date: 08/12/2009
Decode for NarcdID: General Site Description
NARR Comments: The Rexel/Taylor Warehouse is located in SE Portland at the corner of Clay and 3rd Street. The fire started around 10:30 PM on May 17th and involved materials stored in the warehouse (mainly wiring), but reportedly some transformers. Three transformers owned by PGE were incinerated, with an estimated release of less than 10 gallons of oil. The balance of 110 gallons is presumed to have been consumed in the fire. An associated property that was not invloved in the fire is 1709 SE 3rd St. (Associated Busness/or Owner), the block located south of the fire.

NARR ID: 5748130
NARR Code: Hazardous Substance/Waste Types
Created By: ADENNIS
Created Date: 05/22/2006
Updated By: MPUGH

REXEL/TAYLOR ELECTRICAL SUPPLY (Continued) **S108059928**

Updated Date: 06/20/2006
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Warehouse that caught fire with considerable coated wiring and other material consumed. Environmental concerns include impacts to storm drain system, potential residual contamination in site soil. PCB containing transformers were consumed in the fire. Oil from forklifts may have been released.

NARR ID: 5748221
NARR Code: Land Use (Current/Reasonably Likely)
Created By: MPUGH
Created Date: 06/20/2006
Updated By: MPUGH
Updated Date: 06/20/2006
Decode for NarcdID: Land Use (Current/Reasonably Likely)
NARR Comments: Industrial area in SE Portland.

NARR ID: 5748370
NARR Code: Manner of Release
Created By: GWISTAR
Created Date: 08/04/2006
Updated By: GWISTAR
Updated Date: 08/04/2006
Decode for NarcdID: Manner of Release
NARR Comments: A warehouse fire erupted at this site on the morning of 5/17/06.

NARR ID: 5748288
NARR Code: Project Activity Status
Created By: MPUGH
Created Date: 06/30/2006
Updated By: MPUGH
Updated Date: 05/11/2009
Decode for NarcdID: Project Activity Status
NARR Comments: MTpugh, 7/14/06Mr. Taylor, representing HMB corporation (owner) has indicated he would cooperate with DEQ but feels the operator should be responsible for entering the Voluntary Cleanup Program (VCP) as requested by DEQ. Rexel Inc., the tenant at the time of the fire, offered to enter the VCP to address our concerns but indicated that they do not have the authority to access the property. This has been rebutted by Mr. Taylor. Since the current circumstances do not indicate the VCP process is viable, we are referring the site to the DEQ Site Assessment Program for further evaluation. A timeline for this evaluation is uncertain. DEQ requested Rexel Inc. to provide complete information on the materials and equipment that were stored in the warehouse at the time of fire. DEQ has requested that Mr. Taylor provide information on the disposition of fire debris and any other material disposed off-site, and any subsequent environmental investigation or cleanup conducted at the site.

NARR ID: 5748222
NARR Code: Pathways Other Hazards
Created By: MPUGH
Created Date: 06/20/2006
Updated By: MPUGH
Updated Date: 06/20/2006
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Releases to storm drain that eventually drains to Willamette River

REXEL/TAYLOR ELECTRICAL SUPPLY (Continued) **S108059928**

(1000 feet from site). The building covers virtually the entire property, so exposure to contaminated soil may not be a complete pathway. fire debris likely contains hazardous substances and should be appropriately disposed off-site.

NARR ID: 5748223
NARR Code: Remedial Action
Created By: MPUGH
Created Date: 06/20/2006
Updated By: TGAINER
Updated Date: 10/29/2012
Decode for NarcdID: Remedial Action
NARR Comments: PGE removed their burnt transformers. Rexel hired Elder Demolition and reportedly salvageable metal has been removed from the fire debris. The property owner, HMB Corp., removed fire debris and disposed of it off site, and removed sediment in adjacent stoirmwater catch basins and pipelines (***Environmental Assessment and Remediation Report,*** October 15, 2012).

NARR ID: 5748226
NARR Code: Health Threats
Created By: MPUGH
Created Date: 06/20/2006
Updated By: MPUGH
Updated Date: 06/30/2006
Decode for NarcdID: Health Threats
NARR Comments: Threat to human health may exist from fire debris. Once the fire debris is removed the risk from residual contamination will likely be low, as the soil at the site is almost completely covered with concrete. The storm drain lines and associated contaminants could present an ongoing source of residual contamination to the Willamette River, but due to the expected limited volume is not expected to present a signifcant threat to humans or wildlife.

Administrative Action:
Action ID: 9464
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/06/2009
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Prospective Purchaser Agreement
Further Action: 0
Comments: Not reported

Action ID: 9413
Region: Northwestern Region
Complete Date: 05/24/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/24/2010
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action

REXEL/TAYLOR ELECTRICAL SUPPLY (Continued) **S108059928**

Action Code Flag: False
Action: Closeout activities on completed project
Further Action: 0
Comments: Site is bveing investigated in an area-wide study under ECSI # 5249.

Action ID: 9440
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/25/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Letter Agreement
Further Action: 0
Comments: Not reported

Action ID: 9464
Region: Northwestern Region
Complete Date: 12/11/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/29/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Prospective Purchaser Agreement
Further Action: 0
Comments: Agreement with Fisher's Terrace, LLC, who proposes to construct an office building on the project site. The seller would clean up fire debris and sediment in adjacent stormwater pipes, and the buyer would complete shallow soil removal.

Action ID: 9424
Region: Not reported
Complete Date: 05/22/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/22/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Northwestern Region
Complete Date: 06/30/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/30/2006
Decode for AgencyID: Department of Environmental Quality

REXEL/TAYLOR ELECTRICAL SUPPLY (Continued) **S108059928**

Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: 0
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 02/18/2009
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/02/2008
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Consultant has ICP/VCP applications. Will perform Level 1 and consider Level 2.

Action ID: 9435
Region: Northwestern Region
Complete Date: 04/01/2009
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/19/2009
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Independent Cleanup Program
Further Action: 0
Comments: Not reported

VCS:
ECS Site ID: 4632
Facility Size: 0.92 acres
Action: Prospective Purchaser Agreement
Start Date: 08/13/2012
End Date: 12/11/2012
Facility Status: Active
Program: VCP
Latitude: 45.51120
Longitude: -122.6633

OR BROWNFIELDS:
Geolocation Id: 96774
Status: Prospective Purchaser Agreement
Lat/Long: 45.5112 / -122.663

OR SPILLS:
Facility ID: 2006-1238
Incident Status: Archive
Material: Not reported

REXEL/TAYLOR ELECTRICAL SUPPLY (Continued) **S108059928**

Quantity: 50
Unit of Measure: Gallons
Release Date: 05/17/2006
Description: Originally reported as sheen on Willamette River between Ross Island and Freemont Bridges. Found to be caused by warehouse fire affecting stored electrical equipment and also pole-mounted (PGE) transformers nearby.
Lat/Long: 45.5112 / -122.6633
Source: Electrical Equipment
Media: Coding for the PS/BC Oil Spill Database
Responsible Company: Taylor Electric
Responsible Address: 1709 SE 3rd Ave
Responsible City,St,Zip: Portland, OR 97214-4547

Facility ID: 2006-1238
Incident Status: Archive
Material: Not reported
Quantity: 50
Unit of Measure: Gallons
Release Date: 05/17/2006
Description: Originally reported as sheen on Willamette River between Ross Island and Freemont Bridges. Found to be caused by warehouse fire affecting stored electrical equipment and also pole-mounted (PGE) transformers nearby.
Lat/Long: 45.5112 / -122.6633
Source: Electrical Equipment
Media: Not reported
Responsible Company: Taylor Electric
Responsible Address: 1709 SE 3rd Ave
Responsible City,St,Zip: Portland, OR 97214-4547

CB386 **EAST SIDE PLATING - PLANT 5** **OR ECSI** **S106115367**
West **1300/1304 SE 2ND AVE.** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.347 mi.
1831 ft. **Site 1 of 3 in cluster CB**

Relative:
Higher

Actual:
43 ft.

ECSI:
State ID Number: 3856
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: No Further Action
FACA ID: 49065
Further Action: 0
Lat/Long (dms): 45 30 48.20 / -122 39 46.80
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 3
Qtr Section: Addb
Tax Lots: Tax Lot 5000 (1S1E03AD 5000)
Size: 0.46 ac

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

NPL: False
Orphan: False
Updated By: BGILLES
Update Date: 12/07/2010
Created Date: 04/29/2003
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action
Decode For Legislative: Not reported
Alias Name: Production Plating

Hazardous Release:
Substance ID.: 121668
Haz Release ID: 386071
Qty Released: Unknown
Date Released: Unknown
Update Date: 09/19/2003
Update By: SFORTUN
Substance Code: 7440-43-9
Substance Name: CADMIUM
Substance Abbrev.: Not reported
Substance Category ID: 8460
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8460
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319291
Sub Alias Name: CD
Comment ID: 304769
Release Code: Release Containment
Release Comments: In Stormwater at Outfall #1 (2.4ug/L) and Outfall #2 (4.5 ug/L), and Outfall #3 (18 ug/L). Stormwater at Outfalls #2 and #3 is directed to the river.
Decode for Relcomcd: Release Containment
Comment ID: 304770
Release Code: Data Sources
Release Comments: Stormwater Permit Data submission and Site Investigation Report dated 11/06.
Decode for Relcomcd: Data Sources
Comment ID: 304771
Release Code: Media Contamination Footnote
Release Comments: Stormwater runoff
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 304772
Release Code: General Comments
Release Comments: Stormwater concentrations exceeds Freshwater aquatic CMC, as well as NWR Industrial Stormwater 99th percentile level.
Decode for Relcomcd: General Comments
Sampling Result ID: 347505
Feature Id: 0
Hazard Release Id: 386071
Medium: 700

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 06/21/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 18.00
Sample Comment: 18 ug/L in stormwater at Outfall #3; 4.5 ug/L at Outfall #2.
Last Update By: JWAGGY
Update Date: 01/23/2007
Decode for MediumID: Other
Sampling Result ID: 349334
Feature Id: 0
Hazard Release Id: 386071
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 02/18/2009
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 10.2 g/L Dissolved
Last Update By: MKENT
Update Date: 01/27/2010
Decode for MediumID: Groundwater

Substance ID.: 121664
Haz Release ID: 386072
Qty Released: Unknown
Date Released: Unknown
Update Date: 09/19/2003
Update By: SFORTUN
Substance Code: 7440-38-2
Substance Name: ARSENIC
Substance Abbrev.: Not reported
Substance Category ID: 8439
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8439
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319286
Sub Alias Name: AS
Comment ID: 304773
Release Code: Data Sources
Release Comments: Stormwater permit data submission

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Decode for Relcomcd: Data Sources
Comment ID: 304774
Release Code: General Comments
Release Comments: Stormwater concentration of 0.039 mg/L at Outfall #2 exceeded NWR Industrial Stormwater 95th percentile level.
Decode for Relcomcd: General Comments
Comment ID: 304775
Release Code: Media Contamination Footnote
Release Comments: Stormwater runoff
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 304776
Release Code: Release Containment
Release Comments: Stormwater reaching Outfall #2 is directed to the river.
Decode for Relcomcd: Release Containment
Sampling Result ID: 347506
Feature Id: 0
Hazard Release Id: 386072
Medium: 700
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 10/02/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 39.00
Sample Comment: 0.039 mg/L in stormwater runoff at Outfall #2; 0.013 mg/L at Outfall #3.
Last Update By: JWAGGY
Update Date: 01/23/2007
Decode for MediumID: Other

Substance ID.: 121671
Haz Release ID: 386073
Qty Released: Unknown
Date Released: Unknown
Update Date: 09/19/2003
Update By: SFORTUN
Substance Code: 7440-47-3
Substance Name: CHROMIUM
Substance Abbrev.: Not reported
Substance Category ID: 8462
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8462
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318145
Sub Alias Name: CHROMIUM, INORGANIC
Substance Alias ID: 319294
Sub Alias Name: CHROMIUM, TOTAL

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Comment ID:	304781
Release Code:	Data Sources
Release Comments:	Stormwater permit data submission and Site Investigation Report dated 11/06.
Decode for Relcomcd:	Data Sources
Comment ID:	304782
Release Code:	General Comments
Release Comments:	Stormwater concentrations have exceeded Freshwater Aquatic CMC. Concentrations at Outfalls #2 and #3 have exceeded NWR Industrial Stormwater 99th percentile levels. Concentrations at Outfall #12 have exceeded the NWR Industrial Stormwater 95th percentil
Decode for Relcomcd:	General Comments
Comment ID:	304783
Release Code:	Media Contamination Footnote
Release Comments:	In Stormwater Runoff
Decode for Relcomcd:	Media Contamination Footnote
Comment ID:	304784
Release Code:	Release Containment
Release Comments:	Stormwater from Outfalls #2 and #3 is directed to the river.
Decode for Relcomcd:	Release Containment
Sampling Result ID:	347507
Feature Id:	0
Hazard Release Id:	386073
Medium:	700
Substance Abbrev.:	0
Unit Code:	8
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	Not reported
Start Date:	10/02/1992
End Date:	Not reported
Min Concentration:	Not reported
Max Concentration:	3400.00
Sample Comment:	3.4 mg/L in stormwater runoff at Outfall #2; 0.95 mg/L at Outfall #3.
Last Update By:	JWAGGY
Update Date:	01/23/2007
Decode for MediumID:	Other
Sampling Result ID:	349335
Feature Id:	0
Hazard Release Id:	386073
Medium:	698
Substance Abbrev.:	0
Unit Code:	Not reported
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	watertable
Start Date:	02/18/2009
End Date:	Not reported
Min Concentration:	Not reported
Max Concentration:	Not reported
Sample Comment:	6.25 g/L Dissolved
Last Update By:	MKENT
Update Date:	01/27/2010
Decode for MediumID:	Groundwater

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Substance ID.: 121673
Haz Release ID: 386074
Qty Released: Unknown
Date Released: Unknown
Update Date: 09/19/2003
Update By: SFORTUN
Substance Code: 7440-50-8
Substance Name: COPPER
Substance Abbrev.: Not reported
Substance Category ID: 8464
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8464
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319296
Sub Alias Name: CU
Comment ID: 304777
Release Code: Data Sources
Release Comments: Stormwater permit data submission
Decode for Relcomcd: Data Sources
Comment ID: 304778
Release Code: General Comments
Release Comments: In stormwater at Outfall #1 at 570 ug/L; at Outfall #2 at 1030 ug/L; at Outfall #3 at 2200 Stormwater concentrations exceed freshwater Aquatic CMC. Stormwater conc. at Outfall #3 exceeded the NWR Industrial Stormwater 99th percentile level.
Decode for Relcomcd: General Comments
Comment ID: 304779
Release Code: Media Contamination Footnote
Release Comments: Stormwater runoff
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 304780
Release Code: Release Containment
Release Comments: Stormwater at Outfalls #2 and #3 directed to the river.
Decode for Relcomcd: Release Containment
Sampling Result ID: 347509
Feature Id: 0
Hazard Release Id: 386074
Medium: 700
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 06/21/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 2200.00
Sample Comment: 2200 ug/L in stormwater runoff at Outfall #3; 1030 ug/L in stormwater at Outfall #2
Last Update By: JWAGGY

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Update Date: 01/23/2007
Decode for MediumID: Other
Sampling Result ID: 349042
Feature Id: 0
Hazard Release Id: 386074
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: watertable
Start Date: 05/16/2008
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 18.8 ug/L Dissolved
Last Update By: MKENT
Update Date: 01/27/2010
Decode for MediumID: Groundwater

Substance ID.: 121639
Haz Release ID: 386075
Qty Released: Unknown
Date Released: Unknown
Update Date: 09/19/2003
Update By: SFORTUN
Substance Code: 7439-92-1
Substance Name: LEAD
Substance Abbrev.: Not reported
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319256
Sub Alias Name: PB
Comment ID: 304785
Release Code: Data Sources
Release Comments: Stormwater permit data submission
Decode for Relcomcd: Data Sources
Comment ID: 304786
Release Code: General Comments
Release Comments: In stormwater runoff at Outfall #1 at 82 ug/L; at Outfall #2 at 230 ug/L; at Outfall #3 at 2300 ug/L. Stormwater concentrations have exceeded Freshwater Aquatic CMC and NWR Industrial Stormwater 99th percentile level.
Decode for Relcomcd: General Comments
Comment ID: 304787
Release Code: Media Contamination Footnote
Release Comments: In stormwater runoff.
Decode for Relcomcd: Media Contamination Footnote

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Comment ID: 304788
Release Code: Release Containment
Release Comments: Stormwater reaching Outfalls #2 and #3 is directed to the river.
Decode for Relcomcd: Release Containment
Sampling Result ID: 347510
Feature Id: 0
Hazard Release Id: 386075
Medium: 700
Substance Abbrev.: 0
Unit Code: 63
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 06/21/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 2300.00
Sample Comment: 2300 ug/L in stormwater at Outfall #3; 230 ug/L in stormwater runoff at Outfall #2
Last Update By: JWAGGY
Update Date: 01/23/2007
Decode for MediumID: Other
Sampling Result ID: 349044
Feature Id: 0
Hazard Release Id: 386075
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: watertable
Start Date: 02/18/2009
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 3.16 ug/L Dissolved
Last Update By: MKENT
Update Date: 01/27/2010
Decode for MediumID: Groundwater

Substance ID.: 121646
Haz Release ID: 386076
Qty Released: Unknown
Date Released: Unknown
Update Date: 09/19/2003
Update By: SFORTUN
Substance Code: 7440-02-0
Substance Name: NICKEL
Substance Abbrev.: Not reported
Substance Category ID: 8469
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8469

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Substance Category:	Inorganics
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Alias ID:	319266
Sub Alias Name:	NI
Comment ID:	304789
Release Code:	Data Sources
Release Comments:	Stormwater permit data submission
Decode for Relcomcd:	Data Sources
Comment ID:	304790
Release Code:	General Comments
Release Comments:	Stormwater concentrations at Outfalls #1, #2, and #3 have exceeded both the Freshwater Aquatic CMC and NWR Industrial Stormwater 99th percentile level.
Decode for Relcomcd:	General Comments
Comment ID:	304791
Release Code:	Media Contamination Footnote
Release Comments:	Stormwater runoff at Outfalls #1 (up to 10000 ppb), at Outfall #2 (up to 74000 ppb), and at Outfall #3 (5500 ppm).
Decode for Relcomcd:	Media Contamination Footnote
Comment ID:	304792
Release Code:	Release Containment
Release Comments:	Stormwater at Outfalls #2 and #3 is directed to the river.
Decode for Relcomcd:	Release Containment
Sampling Result ID:	347511
Feature Id:	0
Hazard Release Id:	386076
Medium:	700
Substance Abbrev.:	0
Unit Code:	63
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	Not reported
Start Date:	10/06/1993
End Date:	Not reported
Min Concentration:	Not reported
Max Concentration:	74000.00
Sample Comment:	74,000 ug/L in stormwater runoff at Outfall #2; 5,500 ug/L in stormwater at Outfall #3.
Last Update By:	JWAGGY
Update Date:	01/23/2007
Decode for MediumID:	Other
Sampling Result ID:	349045
Feature Id:	0
Hazard Release Id:	386076
Medium:	698
Substance Abbrev.:	0
Unit Code:	Not reported
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	watertable
Start Date:	02/18/2008
End Date:	Not reported
Min Concentration:	Not reported

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Max Concentration: Not reported
Sample Comment: 128,000 ug/L Dissolved
Last Update By: MKENT
Update Date: 01/27/2010
Decode for MediumID: Groundwater

Substance ID.: 121679
Haz Release ID: 386077
Qty Released: Unknown
Date Released: Unknown
Update Date: 09/19/2003
Update By: SFORTUN
Substance Code: 7440-66-6
Substance Name: ZINC
Substance Abbrev.: Not reported
Substance Alias ID: 319302
Sub Alias Name: ZN
Comment ID: 304793
Release Code: Data Sources
Release Comments: Stormwater permit data submission
Decode for Relcomcd: Data Sources
Comment ID: 304794
Release Code: General Comments
Release Comments: Concentrations in stormwater runoff at Outfalls #1, #2, and #3 have exceeded both the Freshwater Aquatic CMC and the NWR Industrial Stormwater 99th percentile level.
Decode for Relcomcd: General Comments
Comment ID: 304795
Release Code: Media Contamination Footnote
Release Comments: In stormwater runoff
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 304796
Release Code: Release Containment
Release Comments: Stormwater at Outfalls #2 and #3 is directed to the river
Decode for Relcomcd: Release Containment
Sampling Result ID: 347512
Feature Id: 0
Hazard Release Id: 386077
Medium: 700
Substance Abbrev.: 0
Unit Code: 63
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 06/21/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 160000.00
Sample Comment: Up to 160000 ug/L in stormwater runoff at Outfall #3; 85,000 ug/L in stormwater runof at Outfall #2.
Last Update By: JWAGGY
Update Date: 01/23/2007
Decode for MediumID: Other
Sampling Result ID: 349046
Feature Id: 0
Hazard Release Id: 386077

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: watertable
Start Date: 02/18/2009
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 1,670 ug/L Dissolved
Last Update By: MKENT
Update Date: 01/27/2010
Decode for MediumID: Groundwater

Substance ID.: 121472
Haz Release ID: 386966
Qty Released: Not reported
Date Released: Not reported
Update Date: 01/23/2007
Update By: JWAGGY
Substance Code: 57-12-5
Substance Name: CYANIDE (AS ION)
Substance Abbrev.: Not reported
Substance Category ID: 8465
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8465
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318818
Sub Alias Name: CN (AS ION)
Comment ID: 305251
Release Code: Data Sources
Release Comments: Site Investigation Report dated 11/06.
Decode for Relcomcd: Data Sources
Sampling Result ID: 349043
Feature Id: 0
Hazard Release Id: 386966
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: watertable
Start Date: 07/25/2006
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 33.1 ug/L Dissolved
Last Update By: MKENT

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Update Date: 01/27/2010
Decode for MediumID: Groundwater
Sampling Result ID: 349336
Feature Id: 0
Hazard Release Id: 386966
Medium: 703
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 13 - 14 ft bgs
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 0.696 mg/kg
Last Update By: JWAGGY
Update Date: 10/01/2007
Decode for MediumID: Soil

Substance ID.: 121868
Haz Release ID: 387462
Qty Released: 35.6 ug/L
Date Released: 7/25/2006
Update Date: 01/27/2010
Update By: GGAMOLO
Substance Code: 91-20-3
Substance Name: NAPHTHALENE
Substance Abbrev.: Not reported
Substance Category ID: 8494
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8494
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317793
Sub Alias Name: MOTH BALLS
Substance Alias ID: 317794
Sub Alias Name: NAPHTHENE
Substance Alias ID: 317795
Sub Alias Name: TAR CAMPHOR
Sampling Result ID: 349824
Feature Id: 0
Hazard Release Id: 387462
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: False
Sample Depth: Not reported
Start Date: 07/25/2006

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 35.6 ug/L
Last Update By: GGAMOLO
Update Date: 01/27/2010
Decode for MediumID: Groundwater

Substance ID.: 121588
Haz Release ID: 387463
Qty Released: 10.2 ug/L
Date Released: 2/18/2009
Update Date: 01/27/2010
Update By: GGAMOLO
Substance Code: 67-66-3
Substance Name: CHLOROFORM
Substance Abbrev.: Not reported
Substance Category ID: 8510
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8510
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319118
Sub Alias Name: METHANE,TRICHLORO-
Substance Alias ID: 319119
Sub Alias Name: TRICHLOROFORM
Substance Alias ID: 319120
Sub Alias Name: TRICHLOROMETHANE
Sampling Result ID: 349823
Feature Id: 0
Hazard Release Id: 387463
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: False
Sample Depth: Not reported
Start Date: 02/18/2009
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 10.2 ug/L
Last Update By: GGAMOLO
Update Date: 01/27/2010
Decode for MediumID: Groundwater

Narrative:
NARR ID: 5744206
NARR Code: Site Contacts
Created By: SFORTUN
Created Date: 09/19/2003
Updated By: MKENT

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Updated Date: 08/25/2004
Decode for NarcdID: Site Contacts
NARR Comments: Ross Edginton, Environmental Manager, East Side Plating, Inc., 8400 SE 26th Place, Portland, OR 97202-8901, phone 503-654-3774, Fax 503-654-6464, ross@eastsideplating.com.Gary Rehnberg, President, East Side Plating Inc.8400 SE 26th PlacePortland, Oregon 97202503-654-3774 X123gary@eastsideplating.comBrad LambZarosinski & Hill AttorneysSuite 1200520 SW Sixth AvenuePortland, Oregon 97204-1510503-243-2373blamb@zandh-law.com

NARR ID: 5744207
NARR Code: Contamination
Created By: SFORTUN
Created Date: 09/19/2003
Updated By: SFORTUN
Updated Date: 09/19/2003
Decode for NarcdID: Contamination
NARR Comments: Concentrations of toxic metals in stormwater runoff have exceeded freshwater aquatic Continuous Maximum Concentrations (CMCs) and 99th percentile levels for all DEQ Northwest Region Industrial Stormwater. Metals of concern include arsenic, cadmium, chromium, copper, lead, nickel, and zinc. Stormwater pH has ranged between 4.3 and 10.1. TOC has ranged beween non-detect and 81 ppm. COD has ranged between non-detect and 870 ppm. Site has also used cyanide solutions and chlorinated solvents (including TCE and PCE), although stormwater has never been analyzed for these potential contaminants. Contaminated stormwater is directed to the Lower Willamette River. Acidic stormwater may have corroded stormsewers.

NARR ID: 5743692
NARR Code: Data Sources
Created By: SFORTUN
Created Date: 06/25/2003
Updated By: MKENT
Updated Date: 02/16/2010
Decode for NarcdID: Data Sources
NARR Comments: Stormwater runoff quality data from site's Stormwater Permit files. Information about chlorinated solvent use from Hazardous Waste Generator files and Air Quality Permit files. Information about groundwater contamination from Site Investigation Report dated November 15, 2006.RSV Engineering, April 7, 2006, ***Work Plan for Initial Site Investigation, East Side Plating Plant #5***.RSV Engineering, ***Site Investigation Report, East Side Plating Plant #5***, December 31, 2008.RSV Engineering, November 15, 2007, ***Work Plan for Additional Site Characterization, East Side Plating Plant #5***.RSV Engineering, February 2009, ***Work Plan for Additional Investigation, East Side Plating Plant #5***.RSV Engineering, Oct 27, 2009, ***Additional Investigation Report, East Side Plating Plant #5***.

NARR ID: 5743446
NARR Code: General Site Description
Created By: JWAGGY
Created Date: 04/30/2003
Updated By: SFORTUN
Updated Date: 09/19/2003
Decode for NarcdID: General Site Description

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

NARR Comments: Lots 1, 2, 7, and 8 of Block 53, East Portland Addition. Not to be confused with ECSI #644 (Plants#1-#3), or ECSI #1010 (Plant #4). The site occupies the northern half of the block between SE 2nd and SE 3rd Avenues, and SE Main and SE Madison Streets. The facilities include a plating shop, polish shop, warehouse, and an area for parking/shipping/receiving. Stormwater from the central parking area and downspouts is directed to Outfall #1, which feeds the city's combined sewer on SW 2nd Ave. Stormwater from the north roof downspout is directed to Outfall #2, which discharges to the city storm sewer on SW 2nd Ave. Stormwater at the northwest exterior and runoff along the north exterior is directed to Outfall #3. Outfalls #2 and #3 feed City of Portland Stormwater Outfall #35 in the Willamette River just upstream from the east end of the Morrison Bridge.

NARR ID: 5744208
NARR Code: Hazardous Substance/Waste Types
Created By: SFORTUN
Created Date: 09/19/2003
Updated By: SFORTUN
Updated Date: 09/19/2003
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Toxic metals (arsenic, cadmium, chromium, copper, lead, nickel, and zinc); possible cyanide, TCA, TCE, and PCE.

NARR ID: 5744210
NARR Code: Project Issues Summary
Created By: SFORTUN
Created Date: 09/19/2003
Updated By: SFORTUN
Updated Date: 11/03/2003
Decode for NarcdID: Project Issues Summary
NARR Comments: Sources of the site's stormwater runoff contamination have not been fully defined. Contaminated stormwater reaching Outfalls #2 and #3 eventually discharges to the Willamette River and could represent a direct toxicity threat to aquatic life, or could accumulate in river sediments. Stormwater and treated process water are discharged to the city sanitary sewer at Outfall #1. The city sanitary sewer in this area commonly overflows to the stormsewer during rainfall events. Acidic runoff could corrode stormsewers and combined sewers, exacerbating contaminant leakage into utility line beddings. Site has also used cyanide solutions and chlorinated solvents (TCA, TCE, PCE), although it is not known if these have contaminated site runoff. Because of inconsistencies in solvent usage reporting, there is concern that unreported solvent spills at the site could have contaminated underlying soils and shallow groundwater.

NARR ID: 5743693
NARR Code: Land Use (Current/Reasonably Likely)
Created By: SFORTUN
Created Date: 06/25/2003
Updated By: SFORTUN
Updated Date: 11/03/2003
Decode for NarcdID: Land Use (Current/Reasonably Likely)
NARR Comments: Site is located in an industrial area (mostly warehousing) of Central Eastside Portland.

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

NARR ID: 5743445
NARR Code: Site Location
Created By: JWAGGY
Created Date: 04/30/2003
Updated By: SFORTUN
Updated Date: 11/03/2003
Decode for NarcdID: Site Location
NARR Comments: On the south side of SE Main St., between SE 2nd and SE 3rd Ave; on the north side of the eastern approach to Hawthorne Bridge. The Post Office only recognizes 1300 SE 2nd as the facility address; the Tax Office only recognizes 1304 SE 2nd as the facility address.

NARR ID: 5744212
NARR Code: Manner of Release
Created By: SFORTUN
Created Date: 09/19/2003
Updated By: SFORTUN
Updated Date: 11/03/2003
Decode for NarcdID: Manner of Release
NARR Comments: Unclear. Plating vapors and buffing/grinding/polishing dusts may vent at, or through, the building roofs. There could be leakage through the facility foundations or through a plugged storm sewer within the plating shop. Contaminated liquids could also escape the building through an overhead door at a wastewater treatment area at the northwest corner of the facility.

NARR ID: 5744216
NARR Code: Media Contamination
Created By: SFORTUN
Created Date: 09/19/2003
Updated By: SFORTUN
Updated Date: 11/03/2003
Decode for NarcdID: Media Contamination
NARR Comments: Stormwater runoff. Concern that subsurface soils and shallow groundwater beneath the building, sewer line beddings, and surface water and sediments in the Lower Willamette River at City Stormwater Outfall #35 may also be contaminated. Fugitive dust or acid fume emissions could also represent a human health threat for nearby workers or pedestrians.

NARR ID: 5751975
NARR Code: Project Activity Status
Created By: MKENT
Created Date: 01/27/2010
Updated By: MKENT
Updated Date: 01/27/2010
Decode for NarcdID: Project Activity Status
NARR Comments: (1/27/2010 MDK/CU&ER) Additional site investigation conducted in February through April included installation of additional monitoring wells to define extent of groundwater plume, and analysis of storm water flow and migration and potential preferrential pathways to Willamette River. Investigation report dated 10/27/09 submitte on 10/30/09. Report currently under review by DEQ for potential NFA and site closure.

NARR ID: 5745361
NARR Code: Project Type

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Created By: MKENT
Created Date: 08/25/2004
Updated By: MKENT
Updated Date: 08/25/2004
Decode for NarcdID: Project Type
NARR Comments: (8/25/04 MDK/C&ER): Draft letter agreement for voluntary cleanup sent to owner june 28, 2004. Insurance coverage being investigated. DEQ intends to finalize agreement by October 2004.

NARR ID: 5745362
NARR Code: Remedial Action
Created By: MKENT
Created Date: 08/25/2004
Updated By: JWAGGY
Updated Date: 10/01/2007
Decode for NarcdID: Remedial Action
NARR Comments: (8/25/04 MDK/C&ER): Initial project meeting held with owner on June 18, 2004. Owner clarifying insurance coverage prior to entering into voluntary cleanup letter agreement.(6/21/05 MDK/CU&ER) Negotiations on a letter agreement continued from March 2004 until the agreement was signed on May 23, 2005. The next steps are holding a scoping meeting and developing an investigation work plan.(12/28/06 MDK/CU&ER) DEQ approved a site investigation work plan on April 13, 2006. The field work was completed in July 2006 and a site investigation report submitted on November 15, 2006. DEQ provided review comments by letter dated November 30, 2006 and indicated that additional work is required to determine extent of contamination present in groundwater.(9/12/07 MDK/CU&ER) Additional soil site characterization workplan submitted for review on 7/28/07. DEQ comments issued 9/18/07.

NARR ID: 5744213
NARR Code: Substances of Concern
Created By: SFORTUN
Created Date: 09/19/2003
Updated By: SFORTUN
Updated Date: 09/19/2003
Decode for NarcdID: Substances of Concern
NARR Comments: Toxic metals (arsenic, cadmium, chromium, copper, lead, nickel, and zinc), possible cyanide and chlorinated solvents (TCE, PCE, TCA).

NARR ID: 5744214
NARR Code: Water Use (Current/Reasonably Likely)
Created By: SFORTUN
Created Date: 09/19/2003
Updated By: MKENT
Updated Date: 08/25/2004
Decode for NarcdID: Water Use (Current/Reasonably Likely)
NARR Comments: Mostly industrial and irrigation wells within 0.5 mile downgradient of the site. Possibly four drinking water wells within 2 miles downgradient of the site, although two lie across the river, 0.8 mile from the site and are very unlikely ever to be affected. A well of unspecified use lies 0.4 mile downgradient-to-sidegradient from the site at a sporting goods store and restaurant. It is not known if the wells is used to supply drinking water or for food preparation.

NARR ID: 5744209

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

NARR Code: Site History
Created By: SFORTUN
Created Date: 09/19/2003
Updated By: SFORTUN
Updated Date: 09/19/2003
Decode for NarcdID: Site History
NARR Comments: Plating operations began in 1980 under the name Production Plating. Name was changed to East Side Plating in 1985. Some of the previous businesses at this location have included Shifton Manufacturing Co. (a wood storage building manufacturer; 1980); Oregon Iron Works (1978-79), Northwest Grating Co.(1977), and Hanson Metals, Inc.(1968-75), all metals (steel) fabricators; Blaesing Granite Co. (1950-65); Bend-Portland Truck Services (a garage, 1950); and Reliable Fuel Co. (wood and coal retailer; 1930-44).

NARR ID: 5751974
NARR Code: 1922
Created By: MKENT
Created Date: 01/27/2010
Updated By: MKENT
Updated Date: 01/27/2010
Decode for NarcdID: Current Site Summary Statement
NARR Comments: (1/27/10 MDK/CU&ER) Owner submitted investigation for additional site characterization dated 10/27/09 summarizing field activities, results of all data collected including potential for contaminant migration to Willamette River via groundwater flow or preferential pathways, stormwater flow and migration assessment, and CSM. Document is under review and DEQ will determine whether to pursue NFA and closure for this site.

Administrative Action:
Action ID: 9465
Region: 0
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/27/2010
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9443
Region: Northwestern Region
Complete Date: 03/10/2010
Rank Value: Not reported
Cleanup Flag: True
Created Date: 12/07/2010
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Action ID: 9424
Region: Not reported
Complete Date: 04/29/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/29/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Northwestern Region
Complete Date: 08/27/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/30/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: 0
Comments: Federal Screening recommended.

Action ID: 9459
Region: Northwestern Region
Complete Date: 11/03/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/19/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: 0
Comments: Not reported

Action ID: 9449
Region: Northwestern Region
Complete Date: 11/03/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/19/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Insufficient information to list
Further Action: 0
Comments: Not reported

Action ID: 9517

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Region: Northwestern Region
Complete Date: 03/01/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/19/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SRS Waiting List
Further Action: 0
Comments: Not reported

Action ID: 9506
Region: Northwestern Region
Complete Date: 11/03/2003
Rank Value: 87
Cleanup Flag: False
Created Date: 11/03/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Investigation recommended (SI)
Further Action: High
Comments: Not reported

Action ID: 9440
Region: Northwestern Region
Complete Date: 03/10/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/24/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Letter Agreement
Further Action: 0
Comments: Not reported

Action ID: 9511
Region: Northwestern Region
Complete Date: 03/10/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/24/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE INVESTIGATION
Further Action: 0
Comments: Not reported

Action ID: 9442
Region: Northwestern Region

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

Complete Date: 05/23/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/24/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NEGOTIATIONS
Further Action: 0
Comments: Negotiations on Letter Agreement.

Action ID: 9499
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/08/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: 0
Comments: Not reported

Operations:
Operation Id: 134796
Operation Status: Active
Common Name: East Side Plating, Inc.
Yrs of Operation: 1985 - present
Comments: Metal plating, Electropolishing and Powder Coating, using Cr, Cd, Cu, Zn, Ni
Updated Date: 09/19/2003
Updated By: SFORTUN
Decode for OpstatID: Active
Operations SIC Id: 198241
SIC Code: 3471
Created By: SFORTUN
Created Date: 08/20/2003
Operations SIC Id: 198242
SIC Code: 3479
Created By: SFORTUN
Created Date: 08/20/2003
Operations SIC Id: 198244
SIC Code: 3559
Created By: SFORTUN
Created Date: 08/20/2003

Operation Id: 134824
Operation Status: Inactive
Common Name: Production Plating
Yrs of Operation: 1980-1985
Comments: Similar plating operation, operated by East Side Plating.
Updated Date: 09/19/2003
Updated By: SFORTUN
Decode for OpstatID: Inactive
Operations SIC Id: 198278

EAST SIDE PLATING - PLANT 5 (Continued) **S106115367**

SIC Code: 3471
Created By: SFORTUN
Created Date: 09/19/2003

CB387 **HEATING OIL TANK** **OR LUST** **S103696294**
West **1300 SE 2ND AVENUE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.347 mi.
1831 ft. **Site 2 of 3 in cluster CB**

Relative:
Higher

Actual:
43 ft.

LUST:
Region: North Western Region
Facility ID: 26-98-0033
Cleanup Received Date: 01/22/1998
Cleanup Start Date: 12/19/1997
Cleanup Complete Date: 02/04/2000
Decode for Region: North West Region

CC388 **HEATING OIL TANK** **OR LUST** **S115330531**
NE **819 SE 16TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.349 mi.
1841 ft. **Site 1 of 3 in cluster CC**

Relative:
Higher

Actual:
105 ft.

LUST:
Region: North Western Region
Facility ID: 26-13-1362
Cleanup Received Date: 10/11/2013
Cleanup Start Date: Not reported
Cleanup Complete Date: Not reported
Decode for Region: North West Region

---

389 **HEATING OIL TANK** **OR LUST** **S106116958**
ENE **1730 SE TAYLOR STREET** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.350 mi.
1848 ft.

Relative:
Higher

Actual:
94 ft.

LUST:
Region: North Western Region
Facility ID: 26-03-2457
Cleanup Received Date: 11/21/2003
Cleanup Start Date: 11/21/2003
Cleanup Complete Date: 01/08/2004
Decode for Region: North West Region

CD390 **HEATING OIL TANK** **OR LUST** **S100500557**
South **2100 SE 10TH** **N/A**
1/4-1/2 **PORTLAND, OR 97023**
0.350 mi.
1850 ft. **Site 1 of 2 in cluster CD**

Relative:
Higher

Actual:
51 ft.

LUST:

Region:	North Western Region
Facility ID:	26-89-0324
Cleanup Received Date:	12/27/1989
Cleanup Start Date:	01/15/1990
Cleanup Complete Date:	**01/15/1990**
Decode for Region:	**North West Region**

CE391 **HEATING OIL TANK** **OR LUST** **S113907041**
SE **1982 SE MULBERRY** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.351 mi.
1852 ft. **Site 1 of 4 in cluster CE**

Relative:
Higher

Actual:
53 ft.

LUST:

Region:	North Western Region
Facility ID:	26-13-0549
Cleanup Received Date:	05/06/2013
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**08/07/2013**
Decode for Region:	**North West Region**

BY392 **HEATING OIL TANK** **OR LUST** **S118347829**
SSE **2038 SE 12TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.351 mi.
1854 ft. **Site 3 of 3 in cluster BY**

Relative:
Higher

Actual:
50 ft.

LUST:

Region:	North Western Region
Facility ID:	26-15-1353
Cleanup Received Date:	09/23/2015
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

CD393 **LIM'S REFRIGERATION** **OR LUST** **U004155731**
South **930 SE LINCOLN ST** **OR UST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.353 mi.
1863 ft. **Site 2 of 2 in cluster CD**

Relative:
Higher

Actual:
59 ft.

LUST:

Region:	North Western Region
Facility ID:	26-10-0511
Cleanup Received Date:	06/01/2010
Cleanup Start Date:	06/07/2010
Cleanup Complete Date:	**12/15/2011**
Decode for Region:	**North West Region**

LIM'S REFRIGERATION (Continued) **U004155731**

UST:
Facility ID: 12386
Facility Telephone: (503) 554-8282
Permittee Name: DAVID LIM
Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 2
Number of Tanks: 2

CF394 **HEATING OIL TANK** **OR LUST** **S103839193**
SE **1911 SE LADD CIRCLE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.354 mi.
1870 ft. **Site 1 of 3 in cluster CF**

Relative:
Higher

Actual:
55 ft.

LUST:
Region: North Western Region
Facility ID: 26-99-0344
Cleanup Received Date: 04/09/1999
Cleanup Start Date: Not reported
Cleanup Complete Date: Not reported
Decode for Region: North West Region

CC395 **HEATING OIL TANK** **OR LUST** **S103422383**
NE **824 SE 16TH** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.354 mi.
1871 ft. **Site 2 of 3 in cluster CC**

Relative:
Higher

Actual:
105 ft.

LUST:
Region: North Western Region
Facility ID: 26-98-0890
Cleanup Received Date: 10/21/1998
Cleanup Start Date: 10/21/1998
Cleanup Complete Date: 08/15/2001
Decode for Region: North West Region

CE396 **HEATING OIL TANK** **OR LUST** **S106476057**
SE **1990 SE MULBERRY AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.358 mi.
1889 ft. **Site 2 of 4 in cluster CE**

Relative:
Higher

Actual:
54 ft.

LUST:
Region: North Western Region
Facility ID: 26-04-1312
Cleanup Received Date: 07/02/2004
Cleanup Start Date: 07/02/2004
Cleanup Complete Date: 07/30/2004
Decode for Region: North West Region

CA397
WSW
1/4-1/2
0.361 mi.
1907 ft.

HEATING OIL TANK
201 SE CLAY
PORTLAND, OR 97214

Site 2 of 2 in cluster CA

OR LUST

S102417470
N/A

Relative:
Higher

Actual:
49 ft.

LUST:

Region:	North Western Region
Facility ID:	26-95-0342
Cleanup Received Date:	12/19/1995
Cleanup Start Date:	12/19/1995
Cleanup Complete Date:	**02/21/1996**
Decode for Region:	**North West Region**

398
SW
1/4-1/2
0.362 mi.
1911 ft.

HEATING OIL TANK
SE HARRISON ST AND SE GRAND AVE
PORTLAND, OR 97214

OR LUST

S109204554
N/A

Relative:
Higher

Actual:
67 ft.

LUST:

Region:	North Western Region
Facility ID:	26-08-0459
Cleanup Received Date:	04/25/2008
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

CF399
SE
1/4-1/2
0.365 mi.
1927 ft.

HEATING OIL TANK
1925 SE LADD
PORTLAND, OR 97214

Site 2 of 3 in cluster CF

OR LUST

S104974225
N/A

Relative:
Higher

Actual:
56 ft.

LUST:

Region:	North Western Region
Facility ID:	26-01-5709
Cleanup Received Date:	04/19/2001
Cleanup Start Date:	04/16/2001
Cleanup Complete Date:	**08/27/2001**
Decode for Region:	**North West Region**

BZ400
SSW
1/4-1/2
0.367 mi.
1937 ft.

BOB NAGEL DIST CO INC
2101 SE 7TH AVE
PORTLAND, OR 97214

Site 2 of 2 in cluster BZ

OR LUST
OR UST

U000432664
N/A

Relative:
Higher

Actual:
68 ft.

LUST:

Region:	North Western Region
Facility ID:	26-88-0125
Cleanup Received Date:	12/29/1988
Cleanup Start Date:	12/29/1988
Cleanup Complete Date:	**10/06/2003**
Decode for Region:	**North West Region**

BOB NAGEL DIST CO INC (Continued) **U000432664**

UST:
Facility ID: 6677
Facility Telephone: (503) 233-6531
Permittee Name: R F NAGEL, MANAGER
Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 1
Number of Tanks: 1

CG401 **JACKSON FOOD STORES #520** **OR LUST U003715493**
NNW **621 SE GRAND AVE** **OR UST N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.367 mi.
1939 ft. **Site 1 of 3 in cluster CG**

Relative:
Higher

Actual:
44 ft.

LUST:
Region: North Western Region
Facility ID: 26-07-1251
Cleanup Received Date: 08/22/2007
Cleanup Start Date: 06/24/2008
Cleanup Complete Date: 07/24/2009
Decode for Region: North West Region

UST:
Facility ID: 11988
Facility Telephone: (208) 888-6061
Permittee Name: Richard Wright
Number of Permitted Tanks: 3
Active Tanks: 3
Decommissioned Tanks: Not reported
Number of Tanks: 3

CH402 **HEATING OIL TANK** **OR LUST S102417477**
WNW **202 SE YAMHILL** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.368 mi.
1943 ft. **Site 1 of 3 in cluster CH**

Relative:
Higher

Actual:
42 ft.

LUST:
Region: North Western Region
Facility ID: 26-96-0255
Cleanup Received Date: 04/24/1996
Cleanup Start Date: 04/24/1996
Cleanup Complete Date: 05/29/1996
Decode for Region: North West Region

CE403
SE
1/4-1/2
0.368 mi.
1943 ft.

HEATING OIL TANK
1425 SE HARRISON ST
PORTLAND, OR 97214

Site 3 of 4 in cluster CE

OR LUST **S104024190**
N/A

Relative:
Higher

Actual:
54 ft.

LUST:

Region:	North Western Region
Facility ID:	26-99-0721
Cleanup Received Date:	06/30/1999
Cleanup Start Date:	06/30/1999
Cleanup Complete Date:	**08/10/1999**
Decode for Region:	**North West Region**

CI404
North
1/4-1/2
0.370 mi.
1953 ft.

HEATING OIL TANK
820 SE SANDY BLVD
PORTLAND, OR 97214

Site 1 of 2 in cluster CI

OR LUST **S105463808**
N/A

Relative:
Higher

Actual:
64 ft.

LUST:

Region:	North Western Region
Facility ID:	26-02-5648
Cleanup Received Date:	04/15/2002
Cleanup Start Date:	04/12/2002
Cleanup Complete Date:	**06/17/2002**
Decode for Region:	**North West Region**

CE405
SE
1/4-1/2
0.371 mi.
1960 ft.

HEATING OIL TANK
2004 SE SPRUCE AVE
PORTLAND, OR 97214

Site 4 of 4 in cluster CE

OR LUST **S111429802**
N/A

Relative:
Higher

Actual:
54 ft.

LUST:

Region:	North Western Region
Facility ID:	26-11-1180
Cleanup Received Date:	11/14/2011
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**12/17/2012**
Decode for Region:	**North West Region**

406
South
1/4-1/2
0.371 mi.
1960 ft.

HEATING OIL TANK
2124 SE 11TH AVE
PORTLAND, OR 97214

OR LUST **S117365514**
N/A

Relative:
Higher

Actual:
49 ft.

LUST:

Region:	North Western Region
Facility ID:	26-14-1242
Cleanup Received Date:	09/11/2014
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

BV407
East
1/4-1/2
0.374 mi.
1976 ft.

HEATING OIL TANK
1808 SE MAIN ST
PORTLAND, OR 97214
Site 3 of 3 in cluster BV

OR LUST

S109494079
N/A

Relative:
Higher

Actual:
96 ft.

LUST:

Region:	North Western Region
Facility ID:	26-08-1374
Cleanup Received Date:	10/22/2008
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**01/27/2009**
Decode for Region:	**North West Region**

408
East
1/4-1/2
0.375 mi.
1979 ft.

HEATING OIL TANK
1216 SE 18TH
PORTLAND, OR 97214

OR LUST

S105247209
N/A

Relative:
Higher

Actual:
98 ft.

LUST:

Region:	North Western Region
Facility ID:	26-01-8557
Cleanup Received Date:	12/11/2001
Cleanup Start Date:	12/05/2001
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

CF409
SE
1/4-1/2
0.375 mi.
1980 ft.

HEATING OIL TANK
1938 SE LADD
PORTLAND, OR 97214
Site 3 of 3 in cluster CF

OR LUST

S102417483
N/A

Relative:
Higher

Actual:
56 ft.

LUST:

Region:	North Western Region
Facility ID:	26-96-0637
Cleanup Received Date:	11/07/1996
Cleanup Start Date:	11/07/1996
Cleanup Complete Date:	**02/13/2001**
Decode for Region:	**North West Region**

CJ410
South
1/4-1/2
0.377 mi.
1992 ft.

HEATING OIL TANK
2136 SE 8TH AVE
PORTLAND, OR 97214
Site 1 of 2 in cluster CJ

OR LUST

S111246885
N/A

Relative:
Higher

Actual:
67 ft.

LUST:

Region:	North Western Region
Facility ID:	26-03-0053
Cleanup Received Date:	01/07/2003
Cleanup Start Date:	01/07/2003
Cleanup Complete Date:	**05/08/2003**
Decode for Region:	**North West Region**

CB411 **HEATING OIL TANK** **OR LUST** **S102778416**
West **119 SE MAIN** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.379 mi.
2002 ft. **Site 3 of 3 in cluster CB**

Relative:
Lower

Actual:
41 ft.

LUST:
Region: North Western Region
Facility ID: 26-97-0750
Cleanup Received Date: 10/06/1997
Cleanup Start Date: 10/06/1997
Cleanup Complete Date: 11/13/1997
Decode for Region: North West Region

CC412 **HEATING OIL TANK** **OR LUST** **S117365387**
NE **1635 SE MORRISON STREET** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.380 mi.
2004 ft. **Site 3 of 3 in cluster CC**

Relative:
Higher

Actual:
112 ft.

LUST:
Region: North Western Region
Facility ID: 26-14-1059
Cleanup Received Date: 08/06/2014
Cleanup Start Date: Not reported
Cleanup Complete Date: Not reported
Decode for Region: North West Region

CK413 **HEATING OIL TANK** **OR LUST** **S108060343**
NNW **626 SE STARK ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.381 mi.
2010 ft. **Site 1 of 4 in cluster CK**

Relative:
Higher

Actual:
48 ft.

LUST:
Region: North Western Region
Facility ID: 26-06-0885
Cleanup Received Date: 05/16/2006
Cleanup Start Date: 05/17/2006
Cleanup Complete Date: Not reported
Decode for Region: North West Region

CL414 **CHILD SERVICE CENTER** **OR LUST** **U000432675**
NNE **531 SE 14TH AVE** **OR UST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.384 mi.
2025 ft. **Site 1 of 2 in cluster CL**

Relative:
Higher

Actual:
95 ft.

LUST:
Region: North Western Region
Facility ID: 26-91-0285
Cleanup Received Date: 08/01/1991
Cleanup Start Date: 07/31/1991
Cleanup Complete Date: 11/01/2000
Decode for Region: North West Region

CHILD SERVICE CENTER (Continued) **U000432675**

UST:
Facility ID: 10378
Facility Telephone: (503) 249-2000
Permittee Name: Not reported
Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 2
Number of Tanks: 2

CM415 **HEATING OIL TANK** **OR LUST** **S104820103**
SSE **2128 SE 12TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.384 mi.
2027 ft. **Site 1 of 2 in cluster CM**

Relative:
Higher

Actual:
51 ft.

LUST:
Region: North Western Region
Facility ID: 26-00-6193
Cleanup Received Date: 10/25/2000
Cleanup Start Date: 10/25/2000
Cleanup Complete Date: 02/14/2001
Decode for Region: North West Region

CN416 **HEATING OIL TANK** **OR LUST** **S105247327**
East **1831 SE MADISON ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.384 mi.
2030 ft. **Site 1 of 2 in cluster CN**

Relative:
Higher

Actual:
93 ft.

LUST:
Region: North Western Region
Facility ID: 26-02-5102
Cleanup Received Date: 01/21/2002
Cleanup Start Date: 01/21/2002
Cleanup Complete Date: 04/04/2002
Decode for Region: North West Region

CO417 **HEATING OIL TANK** **OR LUST** **S104658447**
ENE **1716 SE BELMONT** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.385 mi.
2031 ft. **Site 1 of 4 in cluster CO**

Relative:
Higher

Actual:
113 ft.

LUST:
Region: North Western Region
Facility ID: 26-00-5254
Cleanup Received Date: 07/06/2000
Cleanup Start Date: 07/06/2000
Cleanup Complete Date: 11/07/2000
Decode for Region: North West Region

CP418
ESE
1/4-1/2
0.385 mi.
2033 ft.

HEATING OIL TANK
1550 SE POPLAR
PORTLAND, OR 97214

Site 1 of 3 in cluster CP

OR LUST

S109204403
N/A

Relative:
Higher

Actual:
76 ft.

LUST:
Region: North Western Region
Facility ID: 26-08-0435
Cleanup Received Date: 04/21/2008
Cleanup Start Date: Not reported
Cleanup Complete Date: 07/09/2008
Decode for Region: North West Region

419
SSE
1/4-1/2
0.385 mi.
2033 ft.

HEATING OIL TANK
2058 SE SPRUCE AVE
PORTLAND, OR 97214

OR LUST

S110510094
N/A

Relative:
Higher

Actual:
53 ft.

LUST:
Region: North Western Region
Facility ID: 26-10-0599
Cleanup Received Date: 06/22/2010
Cleanup Start Date: Not reported
Cleanup Complete Date: 12/09/2010
Decode for Region: North West Region

CQ420
NE
1/4-1/2
0.385 mi.
2034 ft.

HEATING OIL TANK
602 SE 15TH AVE
PORTLAND, OR 97214

Site 1 of 3 in cluster CQ

OR LUST

S107135497
N/A

Relative:
Higher

Actual:
102 ft.

LUST:
Region: North Western Region
Facility ID: 26-05-1399
Cleanup Received Date: 06/30/2005
Cleanup Start Date: 07/01/2005
Cleanup Complete Date: 09/29/2005
Decode for Region: North West Region

CO421
ENE
1/4-1/2
0.385 mi.
2035 ft.

HEATING OIL TANK
1718 SE BELMONT
PORTLAND, OR 97214

Site 2 of 4 in cluster CO

OR LUST

S104658454
N/A

Relative:
Higher

Actual:
113 ft.

LUST:
Region: North Western Region
Facility ID: 26-00-5263
Cleanup Received Date: 07/06/2000
Cleanup Start Date: 07/06/2000
Cleanup Complete Date: 09/26/2000
Decode for Region: North West Region

CK422 **HEATING OIL TANK** **OR LUST** **S107596044**
NNW **600 SE STARK ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.386 mi.
2040 ft. **Site 2 of 4 in cluster CK**

Relative:
Higher

Actual:
47 ft.

LUST:

Region:	North Western Region
Facility ID:	26-05-2381
Cleanup Received Date:	11/08/2005
Cleanup Start Date:	11/10/2005
Cleanup Complete Date:	**12/11/2006**
Decode for Region:	**North West Region**

Region:	North Western Region
Facility ID:	26-09-1147
Cleanup Received Date:	11/06/2009
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**05/04/2010**
Decode for Region:	**North West Region**

CN423 **HEATING OIL TANK** **OR LUST** **S105856476**
East **1834 SE MADISON AVENUE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.387 mi.
2041 ft. **Site 2 of 2 in cluster CN**

Relative:
Higher

Actual:
94 ft.

LUST:

Region:	North Western Region
Facility ID:	26-03-0489
Cleanup Received Date:	03/17/2003
Cleanup Start Date:	03/18/2003
Cleanup Complete Date:	**07/10/2003**
Decode for Region:	**North West Region**

CO424 **ACTION TECHNOLOGY SYSTEMS** **OR LUST** **U003378566**
ENE **835 SE 17TH AVENUE** **OR UST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.390 mi.
2057 ft. **Site 3 of 4 in cluster CO**

Relative:
Higher

Actual:
113 ft.

LUST:

Region:	North Western Region
Facility ID:	26-98-0158
Cleanup Received Date:	03/06/1998
Cleanup Start Date:	03/05/1998
Cleanup Complete Date:	**01/14/1999**
Decode for Region:	**North West Region**

UST:

Facility ID:	11853
Facility Telephone:	-503
Permittee Name:	Not reported
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	1
Number of Tanks:	1

425 SW 1/4-1/2 0.390 mi. 2059 ft.

Relative: Higher

Actual: 68 ft.

EAST SIDE PLATING WORKS
310 SE STEPHENS
PORTLAND, OR 97214

CERCLIS-NFRAP
RCRA-LQG
OR ECSI
OR LUST
OR UST
OR HSIS
OR MANIFEST

1000393917
ORD009049107

CERCLIS-NFRAP:

Site ID:	1000369
Federal Facility:	Not a Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assessment History:

Action:	DISCOVERY
Date Started:	/ /
Date Completed:	01/01/83
Priority Level:	Not reported
Action:	SITE INSPECTION
Date Started:	08/30/84
Date Completed:	09/17/84
Priority Level:	NFRAP-Site does not qualify for the NPL based on existing information
Action:	ARCHIVE SITE
Date Started:	/ /
Date Completed:	09/17/84
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	08/30/84
Date Completed:	09/17/84
Priority Level:	Higher priority for further assessment

RCRA-LQG:

Date form received by agency:	12/31/2014
Facility name:	EAST SIDE PLATING, INC., PLANT 4
Facility address:	310 SE STEPHENS ST PORTLAND, OR 97214
EPA ID:	ORD009049107
Mailing address:	8400 SE 26TH PLACE PORTLAND, OR 97202-8946
Contact:	SCOTT HENRIKSEN
Contact address:	8400 SE 26TH PLACE PORTLAND, OR 97202-8946
Contact country:	US
Contact telephone:	(503) 654-3774
Contact email:	SCOTTH@EASTSIDEPLATING.COM
EPA Region:	10
Land type:	Private
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely

EAST SIDE PLATING WORKS (Continued) **1000393917**

hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	EAST SIDE PLATING INC
Owner/operator address:	8400 SE 26TH PLACE PORTLAND, OR 97202
Owner/operator country:	US
Owner/operator telephone:	(503) 654-3774
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/31/2014
Owner/Op end date:	Not reported

Owner/operator name:	EAST SIDE PLATING INC
Owner/operator address:	8400 SE 26TH PLACE PORTLAND, OR 97202
Owner/operator country:	US
Owner/operator telephone:	(503) 654-3774
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/2014
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code: NA
. Waste name: NA

Historical Generators:

Date form received by agency:	12/31/2013
Site name:	EAST SIDE PLATING, INC., PLANT 4
Classification:	Large Quantity Generator

. Waste code: NA
. Waste name: NA

EAST SIDE PLATING WORKS (Continued) **1000393917**

Date form received by agency: 12/30/2013
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 12/31/2012
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

. Waste code: NA
. Waste name: NA

Date form received by agency: 12/31/2011
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

. Waste code: NA
. Waste name: NA

Date form received by agency: 12/30/2011
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

EAST SIDE PLATING WORKS (Continued) **1000393917**

Date form received by agency: 12/31/2010
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

. Waste code: NA
. Waste name: NA

Date form received by agency: 12/31/2009
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

. Waste code: NA
. Waste name: NA

Date form received by agency: 12/30/2009
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: P029
. Waste name: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

Date form received by agency: 12/31/2008
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 12/31/2007
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

EAST SIDE PLATING WORKS (Continued) **1000393917**

Date form received by agency: 12/31/2007
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 12/31/2006
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 12/31/2005
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 12/31/2005
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 12/31/2004
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 01/01/2004
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 12/31/2003
Site name: EAST SIDE PLATING, INC., PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 02/26/2003
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 03/01/2002
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

EAST SIDE PLATING WORKS (Continued) **1000393917**

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Date form received by agency: 02/20/2002
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 02/22/2001
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 03/15/2000
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 03/01/2000
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 03/16/1999
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 03/01/1998
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 02/24/1998
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 02/28/1997
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 03/04/1996
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 03/01/1996
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 03/01/1995
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 03/01/1994
Site name: EAST SIDE PLATING, INC. (PLANT #4)
Classification: Large Quantity Generator

Date form received by agency: 03/01/1993

EAST SIDE PLATING WORKS (Continued) **1000393917**

Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

Date form received by agency: 03/16/1992
Site name: EAST SIDE PLATING INC PLANT 4
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Date form received by agency: 03/01/1992
Site name: EAST SIDE PLATING, INC. (PLANT #4)
Classification: Large Quantity Generator

Date form received by agency: 03/29/1990
Site name: EAST SIDE PLATING
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:
Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 49814.9

EAST SIDE PLATING WORKS (Continued) **1000393917**

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 4541.3

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 305

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 7983.9

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Amount (Lbs): 26544

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 12/10/2013
Date achieved compliance: 04/04/2014
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/04/2014
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 12/10/2013
Date achieved compliance: 04/04/2014
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/04/2014
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

EAST SIDE PLATING WORKS (Continued) **1000393917**

Area of violation: Generators - Pre-transport
Date violation determined: 11/30/2010
Date achieved compliance: 03/02/2011
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 01/02/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 11/30/2010
Date achieved compliance: 03/02/2011
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 05/12/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 8000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 11/30/2010
Date achieved compliance: 03/02/2011
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 05/12/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 8000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 11/30/2010
Date achieved compliance: 03/02/2011
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 01/02/2011
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport

EAST SIDE PLATING WORKS (Continued) **1000393917**

Date violation determined: 11/22/2005
Date achieved compliance: 02/01/2006
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 12/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/22/2005
Date achieved compliance: 02/01/2006
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 04/17/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 6800
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/22/2005
Date achieved compliance: 02/01/2006
Violation lead agency: State
Enforcement action: FINAL 3008(A) SFO ORDER
Enforcement action date: 07/12/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 6000
Paid penalty amount: 6000

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 11/22/2005
Date achieved compliance: 02/01/2006
Violation lead agency: State
Enforcement action: FINAL 3008(A) SFO ORDER
Enforcement action date: 07/12/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 6000
Paid penalty amount: 6000

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 11/22/2005

EAST SIDE PLATING WORKS (Continued) **1000393917**

Date achieved compliance: 02/01/2006
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 04/17/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 6800
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 11/22/2005
Date achieved compliance: 02/01/2006
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 04/17/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 6800
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/22/2005
Date achieved compliance: 02/01/2006
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 12/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 11/22/2005
Date achieved compliance: 02/01/2006
Violation lead agency: State
Enforcement action: FINAL 3008(A) SFO ORDER
Enforcement action date: 07/12/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 6000
Paid penalty amount: 6000

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 11/22/2005
Date achieved compliance: 02/01/2006

EAST SIDE PLATING WORKS (Continued) **1000393917**

Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 12/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/01/2005
Date achieved compliance: 09/30/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 04/17/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 6800
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 09/01/2005
Date achieved compliance: 09/30/2005
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 09/08/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(c)(1)(i)
Area of violation: Generators - General
Date violation determined: 09/19/2000
Date achieved compliance: 10/20/2000
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 10/02/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(d)(4)
Area of violation: Generators - Pre-transport
Date violation determined: 09/19/2000
Date achieved compliance: 10/20/2000
Violation lead agency: State

EAST SIDE PLATING WORKS (Continued) **1000393917**

Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 10/02/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(a)(1)(i)
Area of violation: Generators - General
Date violation determined: 09/19/2000
Date achieved compliance: 10/20/2000
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 10/02/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 268.7(a)(7)
Area of violation: Generators - General
Date violation determined: 09/19/2000
Date achieved compliance: 10/20/2000
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 10/02/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - OAR 340-113-030(6)
Area of violation: Generators - Pre-transport
Date violation determined: 09/19/2000
Date achieved compliance: 10/20/2000
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 10/02/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - OAR 340-102-011
Area of violation: Generators - General
Date violation determined: 09/19/2000
Date achieved compliance: 10/20/2000
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE

EAST SIDE PLATING WORKS (Continued) **1000393917**

Enforcement action date: 10/02/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 279.22(c)(1)
Area of violation: Generators - Pre-transport
Date violation determined: 09/19/2000
Date achieved compliance: 10/20/2000
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 10/02/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(a)(4)
Area of violation: Generators - General
Date violation determined: 09/19/2000
Date achieved compliance: 10/20/2000
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 10/02/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(a)(2)
Area of violation: Generators - Pre-transport
Date violation determined: 09/19/2000
Date achieved compliance: 10/20/2000
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 10/02/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/29/1989
Date achieved compliance: 03/29/1989
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported

EAST SIDE PLATING WORKS (Continued) **1000393917**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/01/1984
Date achieved compliance: 02/27/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/21/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 12/10/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 04/04/2014
Evaluation lead agency: State

Evaluation date: 12/10/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/04/2014
Evaluation lead agency: State

Evaluation date: 03/02/2011
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/30/2010
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: State Statute or Regulation
Date achieved compliance: 03/02/2011
Evaluation lead agency: State

Evaluation date: 11/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 03/02/2011
Evaluation lead agency: State

Evaluation date: 11/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/02/2011
Evaluation lead agency: State

EAST SIDE PLATING WORKS (Continued) **1000393917**

Evaluation date: 11/30/2010
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/02/2011
Evaluation lead agency: State

Evaluation date: 11/30/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 11/22/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/01/2006
Evaluation lead agency: State

Evaluation date: 11/22/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 02/01/2006
Evaluation lead agency: State

Evaluation date: 11/22/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 02/01/2006
Evaluation lead agency: State

Evaluation date: 09/01/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/30/2005
Evaluation lead agency: State

Evaluation date: 09/19/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 09/19/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/20/2000
Evaluation lead agency: State

Evaluation date: 09/19/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 10/20/2000
Evaluation lead agency: State

Evaluation date: 05/06/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

EAST SIDE PLATING WORKS (Continued) **1000393917**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/29/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/29/1989
Evaluation lead agency: State

Evaluation date: 04/03/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/01/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 02/27/1985
Evaluation lead agency: State

ECSI:
State ID Number: 1010
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: Suspect
FACA ID: 1163
Further Action: 260
Lat/Long (dms): 45 30 33.84 / -122 39 45.72
County Code: 26.00
Score Value: Not reported
Cerclis ID: 009049107
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 3
Qtr Section: DA
Tax Lots: 1S1E03DA 2700
Size: 0.61 acres
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 01/02/2013
Created Date: 04/29/1988
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Low
Decode For Investstat: Suspect
Decode For Legislative: Not reported

Narrative:
NARR ID: 5752902
NARR Code: Site Contacts
Created By: SFORTUN
Created Date: 02/23/2011

EAST SIDE PLATING WORKS (Continued) **1000393917**

Updated By: SFORTUN
Updated Date: 02/23/2011
Decode for NarcdID: Site Contacts
NARR Comments: Tracy Finck, Plant Manager.Ross Edginton, Environmental Health and Safety Manager.Mary Knight, Quality Assurance Manager.Chuck Weisman, Anodizing Manager.

NARR ID: 5739241
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Contamination
NARR Comments: Site has a history of excessive discharge (in excess of discharge limits for hazardous compounds, particularly acids and cyanide) to city sewer. City had to replace corroded sewer pipe 3/80. A 40-foot length of 8-inch concrete pipe had been completely eaten out along its bottom. This plant is the largest source of plating wastes in the city (3/79). City initiated enforcement action to reduce facility's discharge. Site was in apparent compliance with RCRA conditions in 1984. See Strategy Recommendation in site files for more information. Beginning in 1987, TCE was found in monitoring wells downgradient of site; these wells were installed as part of PGE Station L investigation (ECSI #151). It is possible that the TCE originated from East Side Plating.

NARR ID: 5739242
NARR Code: Data Sources
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Data Sources
NARR Comments: DEQ CERCLIS file; Inspection reports; EPA CERCLA Preliminary Assessment; Site Investigation; Lab results; City of Portland Sewer Discharge Info; Air Permit info; Preliminary Assessment by Hahn & Associates, 6/29/95.

NARR ID: 5752901
NARR Code: General Site Description
Created By: SFORTUN
Created Date: 02/23/2011
Updated By: SFORTUN
Updated Date: 02/23/2011
Decode for NarcdID: General Site Description
NARR Comments: A November 30, 2010 DEQ and EPA joint, unannounced Hazardous Waste Generator Compliance Inspection of this Large Quantity Hazardous Waste Generator facility noted that this is East Site Plating's oldest operating facility, operating since 1946. The facility itself is more than 60 years old. The concrete flooring is compromised by cracks and loosely-set blocks. Uncontained plating solutions were observed accumulated on the facility floors. Treated plating solutions are discharged to the municipal sanitary sewers under a permit from Portland Bureau of Environmental Services.Main Plating Room Operations: pre-plating operations (rinsate and caustic tanks), plating tanks for chromating and cadmium, copper, and zinc, and

EAST SIDE PLATING WORKS (Continued) **1000393917**

finishing rinses including a cyanide bath for copper and cadmium products.Facility also has a Specialty Plating Room, Deburring Room, Maintenance Shop, a Wastewater Treatment Room (filter press and sludge drying), and a 90-Day Waste Storage Area

NARR ID: 5739243
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: SFORTUN
Updated Date: 02/23/2011
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Cadmium, chromium, cyanide, hydrochloric acid, zinc, nickel, copper, caustic, used oil.

NARR ID: 5739245
NARR Code: Pathways Other Hazards
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Soil (around damaged sewer pipes), as well as possibly groundwater beneath facility. Groundwater may occur at a depth in excess of 50 feet beneath site.

NARR ID: 5739246
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Remedial Action
NARR Comments: In response to DEQ review, RP conducted own PA with Hahn & Associates. Hahn completed the PA in June 1995, and it concluded that releases from corroded sewer piping prior to 1981 could have caused subsurface contamination. Hahn installed four soil borings beneath the replaced sewer pipe 11/95, which showed little or no metals or VOC contamination at this location. Based on this data, Site Assessment has downgraded the further-action priority to LOW. There is still no information on the fate of heavy metals that were released through the break in the city sewer line, nor does the Hahn PA address other possible release areas for metals or VOCs from the site to soil/groundwater.

NARR ID: 5739247
NARR Code: Health Threats
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Health Threats
NARR Comments: There is a good chance that the ESP facility has released metals and solvents to soil/groundwater. If this is the case, subsurface contamination could affect downgradient industrial supply wells, water in the on-site well, and surface water in the Willamette River.

EAST SIDE PLATING WORKS (Continued) **1000393917**

NARR ID: 5752900
NARR Code: Site History
Created By: SFORTUN
Created Date: 02/23/2011
Updated By: SFORTUN
Updated Date: 02/23/2011
Decode for NarcdID: Site History
NARR Comments: November 30, 2010 DEQ and EPA conducted a joint, unannounced Hazardous Waste Generator Compliance Inspection of this Large Quantity Hazardous Waste Generator facility. Three Violations were noted: (1) failure to clean up a hazardous waste release; (2) failure to store hazardous waste in a tank or container; and (3) failure to label stored hazardous waste with an accumulation date. Plating liquids had acumulated on the building floor (1.02% liquid chromium; 0.238% liquid cadmium), and plating sludges had accumulated outside and around the facility's plating and rinsate tanks (0.57% chromium sludge;12% cadmium sludge). A Pre-Enforcement Notice (PEN-NWR-HW-11-003) was issued on February 1, 2011.A DEQ Hazardous Waste inspector had twice visited the plant in 2005. At that time, the inpector observed acumulated plating liquid on the plant floor, and accumulated plating wastes that had not been containerized.

Administrative Action:
Action ID: 9421
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: Site added to CERCLIS
Further Action: Not reported
Comments: Not reported

Action ID: 9495
Region: Northwestern Region
Complete Date: 02/29/1996
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Other recommendation
Further Action: Low
Comments: Changed further-action priority to LOW.

Action ID: 9459
Region: Northwestern Region
Complete Date: 06/29/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality

EAST SIDE PLATING WORKS (Continued) **1000393917**

Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: Not reported
Comments: PA completed by RP.

Action ID: 9426
Region: Northwestern Region
Complete Date: 04/18/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Further Action: Not reported
Comments: Assigned the further action priority.

Action ID: 9424
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9425
Region: Not reported
Complete Date: 05/13/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Action ID: 9468
Region: Not reported
Complete Date: 09/17/1984
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported

EAST SIDE PLATING WORKS (Continued) **1000393917**

Category: EPA Led Action
Action Code Flag: False
Action: EPA PA1/SI1
Further Action: Not reported
Comments: State lead

Action ID: 9444
Region: Not reported
Complete Date: 09/17/1984
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: No Further Remedial Action Planned under Federal program
Further Action: Not reported
Comments: Not reported

Action ID: 9437
Region: Not reported
Complete Date: 05/14/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: Not reported
Comments: Not reported

Action ID: 9449
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Insufficient information to list
Further Action: Not reported
Comments: Not reported

Action ID: 9496
Region: Not reported
Complete Date: 05/15/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Remedial Action

EAST SIDE PLATING WORKS (Continued) **1000393917**

Action Code Flag: False
Action: State Basic Preliminary Assessment recommended (PA)
Further Action: Low
Comments: Not reported

Operations:
Operation Id: 132313
Operation Status: Active
Common Name: East Side Plating Works - Stephens
Yrs of Operation: 1946 to present
Comments: Electroplating
Updated Date: 09/13/1994
Updated By: CONV
Decode for OpstatID: Active
Operations SIC Id: 194904
SIC Code: 3471
Created By: Not reported
Created Date: 12/17/2002

LUST:
Region: North Western Region
Facility ID: 26-98-0123
Cleanup Received Date: 02/24/1998
Cleanup Start Date: 02/13/1998
Cleanup Complete Date: 03/28/2000
Decode for Region: North West Region

UST:
Facility ID: 8251
Facility Telephone: (503)233-8554
Permittee Name: JIMMY L THIBODEAU, VP
Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 1
Number of Tanks: 1

HSIS:
Facility Id: 004607
Chemical Is Extremely Hazardous Substance (EHS): Yes
Department Or Division Of Company: PLANT 4
Facility Has Written Emergency Plan: Yes
Contains 112R: No
NAICS Code 1: 332813
NAICS Desc 1: ELECTROPLATING, PLATING, POLISHING, ANODI
NAICS Code 2: 000000
NAICS Desc 2: Not reported
Manager Name: GARY REHNBERG
Business Phone: 5036543774
Mailing Address: 8400 SE 26TH PL
Mailing City,St,Zip: PORTLAND, OR 97202
No. of Employees: 21
Day Phone: 5036543774
Placard: Yes
Fire Dept Code: 0291
Sprinkler System: Yes
Emergency Contact: TRACY FINCK

EAST SIDE PLATING WORKS (Continued) **1000393917**

Emergency Procedure: PLANT MGRS OFFICE
Business Type: METAL FINISHING JOB SHOP

Facility:

Facility Id:	004607
Physical State Of The Substance:	2
Physical State:	LIQUID
Average Amount Possessed During The Year Code:	21
Maximum Amount Possessed During The Year Code:	21
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	C
Description:	TANK INSIDE BUILDING
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	5,000-9,999
Description Of The Avg Qnty Code:	5,000-9,999
Most Hazardous Ingridient:	HYDROCHLORIC ACID
United Nations/north America 4 Digit Class Number:	1789
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Corrosive Material
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	8.0
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

Chemical:

United Nations/north America 4 Digit Class Number:	1789
Chemical Abstract Service Identifier Number:	7647010
Chemical Is Extremely Hazardous Substance (EHS):	No
First Hazardous Class Code For Chemical:	Corrosive Material
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	8.0
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Contains 112R:	No
Contains EHS:	No
Fertilizer:	No
Pesticide:	No
Contains 313:	No

EAST SIDE PLATING WORKS (Continued) **1000393917**

Facility Id:	004607
Physical State Of The Substance:	2
Physical State:	LIQUID
Average Amount Possessed During The Year Code:	04
Maximum Amount Possessed During The Year Code:	04
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	C
Description:	TANK INSIDE BUILDING
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	GREATER THAN NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	5
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	50-199
Description Of The Avg Qnty Code:	50-199
Most Hazardous Ingridient:	COPPER CYANIDE
United Nations/north America 4 Digit Class Number:	1689
Hazard Rank:	2
EHS Ingredient:	SODIUM CYANIDE
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Poisonous Material
Second Hazardous Class Code For Chemical:	Reactive Material
Third Hazardous Class Code For Chemical:	Corrosive Material
Hazard Class 1 Of The Chemical:	6.1
Hazard Class 2 Of The Chemical:	4.4
Hazard Class 3 Of The Chemical:	8.0

Chemical:

United Nations/north America 4 Digit Class Number:	1689
Chemical Abstract Service Identifier Number:	544923
Chemical Is Extremely Hazardous Substance (EHS):	No
First Hazardous Class Code For Chemical:	Poisonous Material
Second Hazardous Class Code For Chemical:	Reactive Material
Third Hazardous Class Code For Chemical:	Corrosive Material
Hazard Class 1 Of The Chemical:	6.1
Hazard Class 2 Of The Chemical:	4.4
Hazard Class 3 Of The Chemical:	8.0
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Contains 112R:	No
Contains EHS:	Yes
Fertilizer:	No
Pesticide:	No
Contains 313:	Yes

Facility Id:	004607
Physical State Of The Substance:	2
Physical State:	LIQUID

EAST SIDE PLATING WORKS (Continued) **1000393917**

Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	R
Description:	OTHER
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	2
Pressure Description:	GREATER THAN NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	GREATER THAN NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	5
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	MORPHOLINE
United Nations/north America 4 Digit Class Number:	3267
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Combustible Material
Second Hazardous Class Code For Chemical:	Corrosive Material
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.5
Hazard Class 2 Of The Chemical:	8.0
Hazard Class 3 Of The Chemical:	Not reported

Chemical:

United Nations/north America 4 Digit Class Number:	3267
Chemical Abstract Service Identifier Number:	110918
Chemical Is Extremely Hazardous Substance (EHS):	No
First Hazardous Class Code For Chemical:	Combustible Material
Second Hazardous Class Code For Chemical:	Corrosive Material
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.5
Hazard Class 2 Of The Chemical:	8.0
Hazard Class 3 Of The Chemical:	Not reported
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Contains 112R:	No
Contains EHS:	No
Fertilizer:	No
Pesticide:	No
Contains 313:	No

Facility Id:	004607
Physical State Of The Substance:	2
Physical State:	LIQUID
Average Amount Possessed During The Year Code:	11
Maximum Amount Possessed During The Year Code:	11
Applicable Unit Of Measure Code:	2

EAST SIDE PLATING WORKS (Continued) **1000393917**

Description Of The Unit Of Measure:	GALLONS
Type Code:	C
Description:	TANK INSIDE BUILDING
Type Code:	C
Temperature Description:	TANK INSIDE BUILDING
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	GREATER THAN NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	5
Days Hazardous Substance On Site During Year:	298
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	500-999
Description Of The Avg Qnty Code:	500-999
Most Hazardous Ingridient:	PROPRIETARY
United Nations/north America 4 Digit Class Number:	0000
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Corrosive Material
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	8.0
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported

Chemical:

United Nations/north America 4 Digit Class Number:	0000
Chemical Abstract Service Identifier Number:	000000
Chemical Is Extremely Hazardous Substance (EHS):	No
First Hazardous Class Code For Chemical:	Corrosive Material
Second Hazardous Class Code For Chemical:	Not reported
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	8.0
Hazard Class 2 Of The Chemical:	Not reported
Hazard Class 3 Of The Chemical:	Not reported
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Contains 112R:	No
Contains EHS:	No
Fertilizer:	No
Pesticide:	No
Contains 313:	No

Facility Id:	004607
Physical State Of The Substance:	2
Physical State:	LIQUID
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	C
Description:	TANK INSIDE BUILDING

EAST SIDE PLATING WORKS (Continued) **1000393917**

Type Code:	C
Temperature Description:	TANK INSIDE BUILDING
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	GREATER THAN NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	5
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	PHOSPHORIC ACID
United Nations/north America 4 Digit Class Number:	1805
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Reactive Material
Second Hazardous Class Code For Chemical:	Corrosive Material
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.4
Hazard Class 2 Of The Chemical:	8.0
Hazard Class 3 Of The Chemical:	Not reported

Chemical:

United Nations/north America 4 Digit Class Number:	1805
Chemical Abstract Service Identifier Number:	7664382
Chemical Is Extremely Hazardous Substance (EHS):	No
First Hazardous Class Code For Chemical:	Reactive Material
Second Hazardous Class Code For Chemical:	Corrosive Material
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.4
Hazard Class 2 Of The Chemical:	8.0
Hazard Class 3 Of The Chemical:	Not reported
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Contains 112R:	No
Contains EHS:	No
Fertilizer:	No
Pesticide:	No
Contains 313:	No

OR MANIFEST:

Manifest Year:	Manifest Year - 2014
EPA Id:	ORD009049107
Inactive Status:	Not reported
Organization Name:	East Side Plating, Inc.
Contact Name:	Scott Henriksen
Contact Telephone Number:	Not reported
Mailing Address:	8400 SE 26th Place
Mailing City/State/Zip:	Portland, OR

EAST SIDE PLATING WORKS (Continued) **1000393917**

Manifest:

Year :	2014
RCRA Id :	ORD009049107
Inactive :	Not reported
Status:	Large quantity generator
Manifest :	Not reported
Ship Date :	09/11/2014
TSD :	ORD089452353
WS Num:	6
Transporter:	CAT000624247
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H132
EPA Waste Codes:	F006
Waste Description:	Hazardous waste debris from electroplating structural repairs
Total Amt Of Waste Stream Generated in Reporting Yr 1:	1877.0364999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2:	1241.2294999999999

Year :	2014
RCRA Id :	ORD009049107
Inactive :	Not reported
Status:	Large quantity generator
Manifest :	011881465JJK
Ship Date :	10/29/2014
TSD :	ORD089452353
WS Num:	6
Transporter:	CAT000624247
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H132
EPA Waste Codes:	F006
Waste Description:	Hazardous waste debris from electroplating structural repairs
Total Amt Of Waste Stream Generated in Reporting Yr 1:	1877.0364999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2:	56.234000000000002

Year :	2014
RCRA Id :	ORD009049107
Inactive :	Not reported
Status:	Large quantity generator
Manifest :	001252345FLE
Ship Date :	03/28/2014
TSD :	ORD089452353
WS Num:	5
Transporter:	CAT000624247
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H132
EPA Waste Codes:	F006
Waste Description:	Wastewater treatment sludges from electroplating operations
Total Amt Of Waste Stream Generated in Reporting Yr 1:	34021.116499999996
Total Amt Of Waste Stream Generated in Reporting Yr 2:	4486.9290000000001

Year :	2014
RCRA Id :	ORD009049107
Inactive :	Not reported
Status:	Large quantity generator
Manifest :	011872483JJK

EAST SIDE PLATING WORKS (Continued) **1000393917**

Ship Date : 06/16/2014
TSD : ORD089452353
WS Num: 5
Transporter: CAT000624247
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Wastewater treatment sludges from electroplating operations
Total Amt Of Waste Stream Generated in Reporting Yr 1: 34021.116499999996
Total Amt Of Waste Stream Generated in Reporting Yr 2: 5747.6589999999997

Year : 2014
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 011881381JJK
Ship Date : 09/11/2014
TSD : ORD089452353
WS Num: 5
Transporter: CAT000624247
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Wastewater treatment sludges from electroplating operations
Total Amt Of Waste Stream Generated in Reporting Yr 1: 34021.116499999996
Total Amt Of Waste Stream Generated in Reporting Yr 2: 7455.54

Year : 2014
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 011881465JJK
Ship Date : 10/29/2014
TSD : ORD089452353
WS Num: 5
Transporter: CAT000624247
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Wastewater treatment sludges from electroplating operations
Total Amt Of Waste Stream Generated in Reporting Yr 1: 34021.116499999996
Total Amt Of Waste Stream Generated in Reporting Yr 2: 6889.1184999999996

Year : 2014
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252342FLE
Ship Date : 01/10/2014
TSD : ORD089452353
WS Num: 5
Transporter: ORQ000020644
Ship Qty : Not reported
Rpt Unit : Not reported

EAST SIDE PLATING WORKS (Continued) **1000393917**

Off Mng : H132
EPA Waste Codes: F006
Waste Description: Wastewater treatment sludges from electroplating operations
Total Amt Of Waste Stream Generated in Reporting Yr 1: 34021.116499999996
Total Amt Of Waste Stream Generated in Reporting Yr 2: 4116.8729999999996

Manifest:
Year : 2013
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252335FLE
Ship Date : 07/30/2013
TSD : ORD089452353
WS Num: 5
Transporter: ORQ000024475
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Wastewater treatment sludges from electroplating operations
Total Amt Of Waste Stream Generated in Reporting Yr 1: 29062.547500000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 3200.3494999999998

Year : 2013
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252339FLE
Ship Date : 10/15/2013
TSD : ORD089452353
WS Num: 5
Transporter: ORQ000024475
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Wastewater treatment sludges from electroplating operations
Total Amt Of Waste Stream Generated in Reporting Yr 1: 29062.547500000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 12642.673000000001

Year : 2013
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 010586285JJK
Ship Date : 02/13/2013
TSD : ORD089452353
WS Num: 5
Transporter: CAT000624247
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Wastewater treatment sludges from electroplating operations

EAST SIDE PLATING WORKS (Continued) **1000393917**

Total Amt Of Waste Stream Generated in Reporting Yr 1: 29062.547500000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 4686.9224999999997

Year : 2013
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252332FLE
Ship Date : 05/16/2013
TSD : ORD089452353
WS Num: 5
Transporter: ORQ000024475
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Wastewater treatment sludges from electroplating operations
Total Amt Of Waste Stream Generated in Reporting Yr 1: 29062.547500000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 6797.5114999999996

Manifest:
Year : 2012
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 002947428JJK
Ship Date : 04/18/2012
TSD : AZD980735500
WS Num: 5
Transporter: CAR000177527
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: F006
Waste Description: Wastewater treatment sludges from electroplating operations
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2012
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 009399494JJK
Ship Date : 11/09/2012
TSD : ORD089452353
WS Num: 5
Transporter: CAT000624247
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Wastewater treatment sludges from electroplating operations
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

EAST SIDE PLATING WORKS (Continued) **1000393917**

Year : 2012
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 009399643JJK
Ship Date : 08/08/2012
TSD : ORD089452353
WS Num: 5
Transporter: CAT000624247
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Wastewater treatment sludges from electroplating operations
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2012
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 009399494JJK
Ship Date : 11/09/2012
TSD : ORD089452353
WS Num: 6
Transporter: CAT000624247
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Hazardous waste debris from electroplating structural repairs
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2012
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 009399494JJK
Ship Date : 11/09/2012
TSD : ORD089452353
WS Num: 7
Transporter: CAT000624247
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H040
EPA Waste Codes: D003 D006 F006
Waste Description: Sludge from clean-out of cyanide-cadmium electroplating sump
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Manifest:
Year : 2011
RCRA Id : ORD009049107
Inactive : Not reported

EAST SIDE PLATING WORKS (Continued) **1000393917**

Status: Large quantity generator
Manifest : 001252399FLE
Ship Date : 12/21/2011
TSD : AZD980735500
WS Num: 7
Transporter: AZR000508515
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: F006
Waste Description: Wastewater treatment sludges from electroplating operations
Total Amt Of Waste Stream Generated in Reporting Yr 1: 12037.704
Total Amt Of Waste Stream Generated in Reporting Yr 2: 2996.2745

Year : 2011
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 008364787JJK
Ship Date : 07/29/2011
TSD : AZD980735500
WS Num: 7
Transporter: CAR000177527
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: F006
Waste Description: Wastewater treatment sludges from electroplating operations
Total Amt Of Waste Stream Generated in Reporting Yr 1: 12037.704
Total Amt Of Waste Stream Generated in Reporting Yr 2: 2683.8130000000001

Year : 2011
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252329FLE
Ship Date : 04/11/2011
TSD : TXD981514383
WS Num: 7
Transporter: CAR000187922
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: F006
Waste Description: Wastewater treatment sludges from electroplating operations
Total Amt Of Waste Stream Generated in Reporting Yr 1: 12037.704
Total Amt Of Waste Stream Generated in Reporting Yr 2: 6642.8680000000004

Year : 2011
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 003950244FLE
Ship Date : 04/21/2011
TSD : ORD089452353
WS Num: 8
Transporter: CAT000624247

EAST SIDE PLATING WORKS (Continued) **1000393917**

Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H112
EPA Waste Codes: D002 D006 D007
Waste Description: Hazardous waste Debris, used Cyanide and Chromium filters
Total Amt Of Waste Stream Generated in Reporting Yr 1: 138.3175
Total Amt Of Waste Stream Generated in Reporting Yr 2: 115.6425

Year : 2011
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 003952758FLE
Ship Date : 10/04/2011
TSD : ORD089452353
WS Num: 8
Transporter: CAT000624247
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H112
EPA Waste Codes: D002 D006 D007
Waste Description: Hazardous waste Debris, used Cyanide and Chromium filters
Total Amt Of Waste Stream Generated in Reporting Yr 1: 138.3175
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22.675000000000001

Manifest:
Year : 2010
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252323FLE
Ship Date : 06/11/2010
TSD : TXD981514383
WS Num: 2
Transporter: CAR000187922
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D002 F008
Waste Description: Alkaline cleaner sludge from bottom of cleaner tanks
Total Amt Of Waste Stream Generated in Reporting Yr 1: 423.85924
Total Amt Of Waste Stream Generated in Reporting Yr 2: 423.85924

Year : 2010
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252323FLE
Ship Date : 06/11/2010
TSD : TXD981514383
WS Num: 6
Transporter: CAR000187922
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010

EAST SIDE PLATING WORKS (Continued) **1000393917**

EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 12348.351500000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 4114.6054999999997

Year : 2010
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252326FLE
Ship Date : 10/14/2010
TSD : TXD981514383
WS Num: 6
Transporter: CAR000187922
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 12348.351500000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 5363.5445

Year : 2010
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 002656987FLE
Ship Date : 03/12/2010
TSD : ORD089452353
WS Num: 12
Transporter: ORQ000011668
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D006
Waste Description: Hazardous waste Debris, used Cyanide and Chromium filters
Total Amt Of Waste Stream Generated in Reporting Yr 1: 134.68950000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 134.68950000000001

Manifest:
Year : 2009
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 0040590227JJ
Ship Date : 03/27/2009
TSD : ORD089452353
WS Num: 6
Transporter: WAR000001743
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 14725.145

EAST SIDE PLATING WORKS (Continued) **1000393917**

Total Amt Of Waste Stream Generated in Reporting Yr 2: 1329.2085

Year : 2009
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 002278621FLE
Ship Date : 05/20/2009
TSD : ORD089452353
WS Num: 12
Transporter: CAT000624247
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H131
EPA Waste Codes: D002 D006
Waste Description: Hazardous waste Debris, used Cyanide and Chromium filters
Total Amt Of Waste Stream Generated in Reporting Yr 1: 777.29899999999998
Total Amt Of Waste Stream Generated in Reporting Yr 2: 375.04450000000003

Year : 2009
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252315FLE
Ship Date : 01/14/2009
TSD : TXD981514383
WS Num: 6
Transporter: GAR000190335
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 14725.145
Total Amt Of Waste Stream Generated in Reporting Yr 2: 6956.2365

Year : 2009
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252315FLE
Ship Date : 01/14/2009
TSD : TXD981514383
WS Num: 2
Transporter: GAR000190355
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D002 F008
Waste Description: Alkaline cleaner sludge from bottom of cleaner tanks
Total Amt Of Waste Stream Generated in Reporting Yr 1: 635.78886
Total Amt Of Waste Stream Generated in Reporting Yr 2: 211.92962

Year : 2009
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator

EAST SIDE PLATING WORKS (Continued) **1000393917**

Manifest : 002274245FLE
Ship Date : 01/20/2009
TSD : ORD089452353
WS Num: 12
Transporter: ORQ000026128
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H131
EPA Waste Codes: D002 D006
Waste Description: Hazardous waste Debris, used Cyanide and Chromium filters
Total Amt Of Waste Stream Generated in Reporting Yr 1: 777.29899999999998
Total Amt Of Waste Stream Generated in Reporting Yr 2: 403.61500000000001

Year : 2009
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252319FLE
Ship Date : 12/11/2009
TSD : TXD981514383
WS Num: 2
Transporter: TXR000025072
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D002 F008
Waste Description: Alkaline cleaner sludge from bottom of cleaner tanks
Total Amt Of Waste Stream Generated in Reporting Yr 1: 635.78886
Total Amt Of Waste Stream Generated in Reporting Yr 2: 423.85924

Year : 2009
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252319FLE
Ship Date : 12/11/2009
TSD : TXD981514383
WS Num: 6
Transporter: TXR000025072
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 14725.145
Total Amt Of Waste Stream Generated in Reporting Yr 2: 4020.7310000000002

Year : 2009
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 005609022JJK
Ship Date : 06/08/2009
TSD : ORD089452353
WS Num: 6
Transporter: WAR000001743
Ship Qty : Not reported

EAST SIDE PLATING WORKS (Continued) **1000393917**

Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 14725.145
Total Amt Of Waste Stream Generated in Reporting Yr 2: 2418.9690000000001

Manifest:
Year : 2008
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001032126FLE
Ship Date : 02/04/2008
TSD : ORD089452353
WS Num: 12
Transporter: ORQ000011668
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D006
Waste Description: Hazardous waste Debris, used Cyanide and Chromium filters
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1199.5074999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 167.79499999999999

Year : 2008
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 002068728FLE
Ship Date : 10/22/2008
TSD : ORD089452353
WS Num: 12
Transporter: ORQ000026128
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D006
Waste Description: Hazardous waste Debris, used Cyanide and Chromium filters
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1199.5074999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 816.29999999999995

Year : 2008
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 002947426jjk
Ship Date : 02/08/2008
TSD : AZD980735500
WS Num: 2
Transporter: AZR000035717
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D002 F008

EAST SIDE PLATING WORKS (Continued) **1000393917**

Waste Description: Alkaline cleaner sludge from bottom of cleaner tanks
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1192.1041124999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 423.85924

Year : 2008
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252310FLE
Ship Date : 07/30/2008
TSD : TXD981514383
WS Num: 6
Transporter: CAR000177527
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 13736.968500000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 4198.5029999999997

Year : 2008
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 002947427jjk
Ship Date : 06/16/2008
TSD : AZD980735500
WS Num: 2
Transporter: AZR000035717
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D002 F008
Waste Description: Alkaline cleaner sludge from bottom of cleaner tanks
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1192.1041124999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 397.36803750000001

Year : 2008
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 002947427JJK
Ship Date : 06/16/2008
TSD : AZD980735500
WS Num: 6
Transporter: AZR000035717
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 13736.968500000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 4385.7984999999999

Year : 2008
RCRA Id : ORD009049107

EAST SIDE PLATING WORKS (Continued) **1000393917**

Inactive : Not reported
Status: Large quantity generator
Manifest : 002947426JJK
Ship Date : 02/08/2008
TSD : AZD980735500
WS Num: 6
Transporter: AZR000035717
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 13736.968500000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 1330.569

Year : 2008
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 002068220FLE
Ship Date : 07/07/2008
TSD : ORD089452353
WS Num: 12
Transporter: ORQ000026128
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D006
Waste Description: Hazardous waste Debris, used Cyanide and Chromium filters
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1199.5074999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 215.41249999999999

Year : 2008
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252310fle
Ship Date : 07/30/2008
TSD : TXD981514383
WS Num: 2
Transporter: AZR000035717
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D002 F008
Waste Description: Alkaline cleaner sludge from bottom of cleaner tanks
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1192.1041124999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 370.87683500000003

Manifest:
Year : 2007
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 002544915JJK

EAST SIDE PLATING WORKS (Continued) **1000393917**

Ship Date : 03/31/2007
TSD : AZD980735500
WS Num: 2
Transporter: AZR000035717
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D002 F008
Waste Description: Alkaline cleaner sludge from bottom of cleaner tanks
Total Amt Of Waste Stream Generated in Reporting Yr 1: 715.25999999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 715.25999999999999

Year : 2007
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001174245FLE
Ship Date : 03/02/2007
TSD : ORD089452353
WS Num: 12
Transporter: ORQ000011668
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D006
Waste Description: Hazardous waste Debris, used Cyanide and Chromium filters
Total Amt Of Waste Stream Generated in Reporting Yr 1: 458.49000000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 272.10000000000002

Year : 2007
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 002544915JJK
Ship Date : 08/31/2007
TSD : AZD980735500
WS Num: 6
Transporter: AZR000035717
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 19410.25
Total Amt Of Waste Stream Generated in Reporting Yr 2: 3980.8200000000002

Year : 2007
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 002544914JJK
Ship Date : 06/13/2007
TSD : AZD980735500
WS Num: 6
Transporter: AZR000035717
Ship Qty : Not reported
Rpt Unit : Not reported

EAST SIDE PLATING WORKS (Continued) **1000393917**

Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 19410.25
Total Amt Of Waste Stream Generated in Reporting Yr 2: 4199.4099999999999

Year : 2007
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001252308FLE
Ship Date : 12/28/2007
TSD : TXD981514383
WS Num: 6
Transporter: UTR000007708
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 19410.25
Total Amt Of Waste Stream Generated in Reporting Yr 2: 5329.9899999999998

Year : 2007
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 000369869JJK
Ship Date : 01/31/2007
TSD : AZD980735500
WS Num: 6
Transporter: UTR000007708
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 19410.25
Total Amt Of Waste Stream Generated in Reporting Yr 2: 3756.79

Year : 2007
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001691411JJK
Ship Date : 07/23/2007
TSD : WAD991281767
WS Num: 10
Transporter: WAR000001743
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H040
EPA Waste Codes: D006 D007 P029
Waste Description: sump solution containing cyanaide and cadmium
Total Amt Of Waste Stream Generated in Reporting Yr 1: 840.34000000000003
Total Amt Of Waste Stream Generated in Reporting Yr 2: 840.34000000000003

EAST SIDE PLATING WORKS (Continued) **1000393917**

Year : 2007
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 001110780FLE
Ship Date : 11/05/2007
TSD : ORD089452353
WS Num: 12
Transporter: ORQ000011668
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D006
Waste Description: Hazardous waste Debris, used Cyanide and Chromium filters
Total Amt Of Waste Stream Generated in Reporting Yr 1: 458.49000000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 186.38999999999999

Year : 2007
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 000369870JJK
Ship Date : 04/06/2007
TSD : AZD980735500
WS Num: 6
Transporter: AZR000035717
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 19410.25
Total Amt Of Waste Stream Generated in Reporting Yr 2: 2143.2399999999998

Manifest:
Year : 2006
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 369867JJK
Ship Date : 11/02/2006
TSD : AZR980735500
WS Num: Not reported
Transporter: AZR000035717
Ship Qty : 6070
Rpt Unit : LB
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD009049107
Inactive : Not reported

EAST SIDE PLATING WORKS (Continued) **1000393917**

Status: Large quantity generator
Manifest : 11106
Ship Date : 04/20/2006
TSD : TXD981514383
WS Num: Not reported
Transporter: CAD063547996
Ship Qty : 6295
Rpt Unit : LB
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 24306
Ship Date : 08/31/2006
TSD : AZR980735500
WS Num: Not reported
Transporter: AZR000035717
Ship Qty : 8577
Rpt Unit : LB
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 04006
Ship Date : 02/07/2006
TSD : ORD089452353
WS Num: Not reported
Transporter: CAD063547996
Ship Qty : 5925
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 15806
Ship Date : 06/07/2006
TSD : AZR980735500
WS Num: Not reported
Transporter: AZR000035717

EAST SIDE PLATING WORKS (Continued) **1000393917**

Ship Qty : 5899
Rpt Unit : LB
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Wastewater treatment sludge from electroplating operations. Listed Waste.
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 24306
Ship Date : 08/31/2006
TSD : AZR980735500
WS Num: Not reported
Transporter: AZR000035717
Ship Qty : 80
Rpt Unit : GAL
Off Mng : H010
EPA Waste Codes: D002 F008
Waste Description: Alkaline cleaner sludge from bottom of cleaner tanks
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 63491
Ship Date : 03/28/2006
TSD : WAD991281767
WS Num: Not reported
Transporter: WAR000001743
Ship Qty : 3460
Rpt Unit : LB
Off Mng : H040
EPA Waste Codes: D006 D007 P029
Waste Description: sump solution containing cyanaide and cadmium
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Manifest:
Year : 2004
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 23904
Ship Date : 08/25/2004
TSD : TXD981514383
WS Num: Not reported
Transporter: CAD063547996
Ship Qty : 385
Rpt Unit : LB
Off Mng : H010

EAST SIDE PLATING WORKS (Continued) **1000393917**

EPA Waste Codes: D002
Waste Description: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2004
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 09804
Ship Date : 04/01/2004
TSD : TXD981514383
WS Num: Not reported
Transporter: CAD063547996
Ship Qty : 7751
Rpt Unit : LB
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2004
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 16804
Ship Date : 06/16/2004
TSD : TXD981514383
WS Num: Not reported
Transporter: CAD063547996
Ship Qty : 22386
Rpt Unit : LB
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2004
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 23904
Ship Date : 08/25/2004
TSD : TXD981524383
WS Num: Not reported
Transporter: CAD063547996
Ship Qty : 9224
Rpt Unit : LB
Off Mng : H010
EPA Waste Codes: D006 D007 F006
Waste Description: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2004

EAST SIDE PLATING WORKS (Continued) **1000393917**

RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 33404
Ship Date : 12/08/2004
TSD : ORD089452353
WS Num: Not reported
Transporter: CAD063547996
Ship Qty : 6286
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: D006 D007 F006
Waste Description: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2004
RCRA Id : ORD009049107
Inactive : Not reported
Status: Large quantity generator
Manifest : 29504
Ship Date : 10/19/2004
TSD : ORD089452353
WS Num: Not reported
Transporter: CAD063547996
Ship Qty : 5832
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: D006 D007 F006
Waste Description: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

---

CR426 **HEATING OIL TANK** **OR LUST** **S111834821**
West **111 SE MADISON ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.392 mi.
2070 ft. **Site 1 of 2 in cluster CR**

Relative:
Higher

Actual:
42 ft.

LUST:
Region: North Western Region
Facility ID: 26-12-0306
Cleanup Received Date: 03/30/2012
Cleanup Start Date: 05/16/2012
Cleanup Complete Date: 06/19/2012
Decode for Region: North West Region

Region: North Western Region
Facility ID: 26-12-0362
Cleanup Received Date: 04/10/2012
Cleanup Start Date: Not reported
Cleanup Complete Date: 05/16/2012
Decode for Region: North West Region

CG427 **MR CAR WASH** **OR LUST** **1001485738**
NNW **510 SE GRAND AVE** **RCRA NonGen / NLR** **ORD987195062**
1/4-1/2 **PORTLAND, OR 97214** **ICIS**
0.394 mi. **FINDS**
2079 ft. **Site 2 of 3 in cluster CG** **ECHO**

Relative:
Higher

Actual:
45 ft.

LUST:

Region:	North Western Region
Facility ID:	26-13-0136
Cleanup Received Date:	01/31/2013
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

RCRA NonGen / NLR:

Date form received by agency:	05/29/1998
Facility name:	MR CAR WASH
Facility address:	510 SE GRAND AVE PORTLAND, OR 97214
EPA ID:	ORD987195062
Mailing address:	510 SE GRAND PORTLAND, OR 97214
Contact:	HENRY SPIVAK
Contact address:	510 SE GRAND PORTLAND, OR 97214
Contact country:	US
Contact telephone:	(503) 235-9740
Contact email:	Not reported
EPA Region:	10
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	HENRY SPIVAK
Owner/operator address:	510 SE GRAND PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	(503) 235-9740
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	05/29/1998
Owner/Op end date:	Not reported

Owner/operator name:	HENRY SPIVAK
Owner/operator address:	510 SE GRAND PORTLAND, OR 97214
Owner/operator country:	US
Owner/operator telephone:	(503) 235-9740
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	05/29/1998
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

MR CAR WASH (Continued) **1001485738**

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/08/1997
Site name: MR CAR WASH
Classification: Not a generator, verified

Date form received by agency: 02/14/1996
Site name: MR CAR WASH
Classification: Not a generator, verified

Date form received by agency: 11/24/1995
Site name: MR CAR WASH
Classification: Not a generator, verified

Date form received by agency: 10/07/1994
Site name: MR CAR WASH
Classification: Not a generator, verified

Date form received by agency: 03/02/1992
Site name: MR CAR WASH
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

ICIS:
Enforcement Action ID: 10-1999-0077
FRS ID: 110004804506
Program ID: FRS 110004804506
Action Name: MR. CAR WASH
Full Address: 510 SE GRAND AVE PORTLAND OR 97214
State: Oregon
Facility Name: MR CAR WASH
Facility Address: 510 SE GRAND AVE
PORTLAND, OR 97214
Enforcement Action Type: RCRA 9006 Field Citation (UST)
Facility County: MULTNOMAH
EPA Region #: 10

Enforcement Action ID: 10-1999-0077
FRS ID: 110004804506
Program ID: RCRAINFO ORD987195062
Action Name: MR. CAR WASH
Full Address: 510 SE GRAND AVE PORTLAND OR 97214

MR CAR WASH (Continued) **1001485738**

State: Oregon
Facility Name: MR CAR WASH
Facility Address: 510 SE GRAND AVE
PORTLAND, OR 97214
Enforcement Action Type: RCRA 9006 Field Citation (UST)
Facility County: MULTNOMAH
EPA Region #: 10

Enforcement Action ID: 10-1999-0077
FRS ID: 110004804506
Program ID: OR-DEQ 1781
Action Name: MR. CAR WASH
Full Address: 510 SE GRAND AVE PORTLAND OR 97214
State: Oregon
Facility Name: MR CAR WASH
Facility Address: 510 SE GRAND AVE
PORTLAND, OR 97214
Enforcement Action Type: RCRA 9006 Field Citation (UST)
Facility County: MULTNOMAH
EPA Region #: 10

Program ID: FRS 110004804506
Facility Name: MR CAR WASH
Address: 510 SE GRAND AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 7542

Program ID: OR-DEQ 1781
Facility Name: MR CAR WASH
Address: 510 SE GRAND AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 7542

Program ID: RCRAINFO ORD987195062
Facility Name: MR CAR WASH
Address: 510 SE GRAND AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: 7542

FINDS:

Registry ID: 110004804506

Environmental Interest/Information System
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

MR CAR WASH (Continued) **1001485738**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

ECHO:

Envid:	1001485738
Registry ID:	110004804506
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	N
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51914
Longitude:	-122.66003
Map Icon:	RCRA-IC-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011007
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0

MR CAR WASH (Continued) **1001485738**

Date Last Formal Action:	12/09/1998
Total Penalties:	0
Penalty Count:	0
Date Last Penalty:	12/09/1998
Last Penalty Amount:	150
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD987195062
RCRA Permit Types:	Other
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported

MR CAR WASH (Continued) **1001485738**

RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	10-1999-0077
FEC Number of Cases:	Not reported
FEC Last Case Date:	12/09/1998
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110004804506
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	12/09/1998
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

CG428 **MR. CAR WASH, LLC** **OR LUST U003999479**
NNW **510 SE GRAND AVE** **OR UST N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.394 mi.
2079 ft. **Site 3 of 3 in cluster CG**

Relative:
Higher

Actual:
45 ft.

LUST:

Region:	North Western Region
Facility ID:	26-91-0197
Cleanup Received Date:	04/04/1991
Cleanup Start Date:	02/19/1992
Cleanup Complete Date:	**03/05/1992**
Decode for Region:	**North West Region**

UST:

Facility ID:	9354
Facility Telephone:	(503) 235-9740
Permittee Name:	KAREN OR JAMES SPIVAK

MR. CAR WASH, LLC (Continued) **U003999479**

Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 6
Number of Tanks: 6

CS429 **HEATING OIL TANK** **OR LUST** **S110510034**
South **925 SE GRANT ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.395 mi.
2085 ft. **Site 1 of 2 in cluster CS**

Relative:
Higher

Actual:
65 ft.

LUST:
Region: North Western Region
Facility ID: 26-10-0409
Cleanup Received Date: 05/05/2010
Cleanup Start Date: Not reported
Cleanup Complete Date: 10/18/2010
Decode for Region: North West Region

CO430 **HEATING OIL TANK** **OR LUST** **S105856370**
ENE **1742 SE BELMONT STREET** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.395 mi.
2088 ft. **Site 4 of 4 in cluster CO**

Relative:
Higher

Actual:
114 ft.

LUST:
Region: North Western Region
Facility ID: 26-03-0322
Cleanup Received Date: 02/20/2003
Cleanup Start Date: 02/24/2003
Cleanup Complete Date: 04/04/2003
Decode for Region: North West Region

---

431 **HEATING OIL TANK** **OR LUST** **S106475272**
ENE **1824 SE TAYLOR STREET** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.396 mi.
2090 ft.

Relative:
Higher

Actual:
103 ft.

LUST:
Region: North Western Region
Facility ID: 26-04-0206
Cleanup Received Date: 02/18/2004
Cleanup Start Date: 02/20/2004
Cleanup Complete Date: 05/19/2004
Decode for Region: North West Region

CT432 **HEATING OIL TANK** **OR LUST** **S106116891**
North **926 SE OAK STREET** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.396 mi.
2090 ft. **Site 1 of 2 in cluster CT**

Relative:
Higher

Actual:
74 ft.

LUST:

Region:	North Western Region
Facility ID:	26-03-2347
Cleanup Received Date:	11/06/2003
Cleanup Start Date:	11/06/2003
Cleanup Complete Date:	**02/23/2004**
Decode for Region:	**North West Region**

---

433 **SPEEDS AUTOMOTIVE** **OR LUST** **U000432737**
WSW **120 SE CLAY ST** **OR UST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.396 mi.
2091 ft.

Relative:
Higher

Actual:
43 ft.

LUST:

Region:	North Western Region
Facility ID:	26-97-0486
Cleanup Received Date:	06/26/1997
Cleanup Start Date:	06/26/1997
Cleanup Complete Date:	**11/18/1999**
Decode for Region:	**North West Region**

UST:

Facility ID:	5349
Facility Telephone:	(503)238-6211
Permittee Name:	HAROLD COE, CORPORATE PRESIDENT
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	2
Number of Tanks:	2

CP434 **HEATING OIL TANK** **OR LUST** **S105981757**
ESE **1524 SE POPLAR AVENUE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.397 mi.
2096 ft. **Site 2 of 3 in cluster CP**

Relative:
Higher

Actual:
84 ft.

LUST:

Region:	North Western Region
Facility ID:	26-03-2083
Cleanup Received Date:	10/02/2003
Cleanup Start Date:	10/02/2003
Cleanup Complete Date:	**11/26/2003**
Decode for Region:	**North West Region**

CP435 **HEATING OIL TANK** **OR LUST** **S109346995**
ESE **1518 SE POPLAR AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.400 mi.
2113 ft. **Site 3 of 3 in cluster CP**

Relative:
Higher

Actual:
86 ft.

LUST:
Region: North Western Region
Facility ID: 26-08-1184
Cleanup Received Date: 09/12/2008
Cleanup Start Date: Not reported
Cleanup Complete Date: 02/27/2009
Decode for Region: North West Region

CK436 **OREGON PLATING COMPANY INC** **RCRA-CESQG** **1000236252**
NNW **436 SE 6TH AVE** **OR ECSI** **ORD000407841**
1/4-1/2 **PORTLAND, OR 97214** **OR VCP**
0.400 mi. **OR SPILLS**
2114 ft. **Site 3 of 4 in cluster CK** **EPA WATCH LIST**
FINDS

Relative:
Higher

OR AIRS
CA HAZNET
OR MANIFEST

Actual:
50 ft.

ECHO

RCRA-CESQG:
Date form received by agency: 12/31/2013
Facility name: OREGON PLATING COMPANY INC
Facility address: 436 SE 6TH AVE
PORTLAND, OR 97214-1103
EPA ID: ORD000407841
Contact: GARRY SMURTHWAITE
Contact address: 436 SE 6TH AVE
PORTLAND, OR 97214-1103
Contact country: US
Contact telephone: (503) 232-7416
Contact email: SMURTHWAITE6950@COMCAST.NET
EPA Region: 10
Land type: Private
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: OREGON PLATING COMPANY INC
Owner/operator address: 436 SE 6TH AVE
PORTLAND, OR 97214

OREGON PLATING COMPANY INC (Continued) **1000236252**

Owner/operator country: US
Owner/operator telephone: (503) 232-7416
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/31/2013
Owner/Op end date: Not reported

Owner/operator name: OREGON PLATING COMPANY INC
Owner/operator address: 436 SE 6TH AVE
PORTLAND, OR 97214
Owner/operator country: US
Owner/operator telephone: (503) 232-7416
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/31/2013
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Universal Waste Summary:
Waste type: Lamps
Accumulated waste on-site: Yes
Generated waste on-site: No

. Waste code: NA
. Waste name: NA

Historical Generators:
Date form received by agency: 03/07/2013
Site name: OREGON PLATING COMPANY INC
Classification: Large Quantity Generator

. Waste code: NA
. Waste name: NA

Date form received by agency: 12/31/2012
Site name: OREGON PLATING COMPANY INC
Classification: Large Quantity Generator

. Waste code: NA
. Waste name: NA

OREGON PLATING COMPANY INC (Continued) **1000236252**

Date form received by agency: 12/31/2011
Site name: OREGON PLATING COMPANY INC
Classification: Large Quantity Generator

. Waste code: NA
. Waste name: NA

Date form received by agency: 12/30/2011
Site name: OREGON PLATING COMPANY INC
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 12/31/2010
Site name: OREGON PLATING COMPANY INC
Classification: Large Quantity Generator

. Waste code: NA
. Waste name: NA

Date form received by agency: 12/31/2009
Site name: OREGON PLATING COMPANY INC
Classification: Large Quantity Generator

. Waste code: NA
. Waste name: NA

Date form received by agency: 12/30/2009
Site name: OREGON PLATING COMPANY INC
Classification: Large Quantity Generator

. Waste code: D001

OREGON PLATING COMPANY INC (Continued) **1000236252**

. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Date form received by agency: 12/31/2008
Site name: OREGON PLATING COMPANY INC
Classification: Large Quantity Generator

Date form received by agency: 12/31/2007
Site name: OREGON PLATING COMPANY INC
Classification: Small Quantity Generator

Date form received by agency: 12/31/2006
Site name: OREGON PLATING COMPANY INC
Classification: Large Quantity Generator

Date form received by agency: 12/31/2005
Site name: OREGON PLATING COMPANY INC
Classification: Large Quantity Generator

Date form received by agency: 12/31/2005
Site name: OREGON PLATING COMPANY INC
Classification: Large Quantity Generator

OREGON PLATING COMPANY INC (Continued) **1000236252**

Date form received by agency: 12/31/2004
Site name: OREGON PLATING COMPANY INC
Classification: Large Quantity Generator

Date form received by agency: 12/31/2003
Site name: OREGON PLATING COMPANY INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/03/2003
Site name: OREGON PLATING COMPANY INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/15/2002
Site name: OREGON PLATING COMPANY INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/23/2001
Site name: OREGON PLATING COMPANY INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/31/2000
Site name: OREGON PLATING COMPANY INC
Classification: Large Quantity Generator

Date form received by agency: 03/15/1999
Site name: OREGON PLATING COMPANY INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/27/1998
Site name: OREGON PLATING COMPANY INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/07/1997
Site name: OREGON PLATING COMPANY INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/07/1997
Site name: OREGON PLATING COMPANY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/20/1996
Site name: OREGON PLATING COMPANY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/01/1995
Site name: OREGON PLATING COMPANY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/04/1994
Site name: OREGON PLATING COMPANY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/28/1993
Site name: OREGON PLATING COMPANY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/01/1992

OREGON PLATING COMPANY INC (Continued) **1000236252**

Site name: OREGON PLATING COMPANY
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: NONE
. Waste name: None

Biennial Reports:

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 84

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 4620.2

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 3520.1

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 84

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 84

Waste code: D040
Waste name: TRICHLOROETHYLENE
Amount (Lbs): 84

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Amount (Lbs): 1650.1

OREGON PLATING COMPANY INC (Continued) **1000236252**

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 03/27/2012
Date achieved compliance: 05/09/2012
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 03/27/2012
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/28/2012
Date achieved compliance: 08/21/2012
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 07/30/2012
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/28/2012
Date achieved compliance: 08/21/2012
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 09/06/2012
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 10200
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/28/2012
Date achieved compliance: 03/28/2012
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 07/30/2012
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

OREGON PLATING COMPANY INC (Continued) **1000236252**

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/28/2012
Date achieved compliance: 08/22/2012
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 09/06/2012
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 10200
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/28/2012
Date achieved compliance: 03/28/2012
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 09/06/2012
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 10200
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/28/2012
Date achieved compliance: 03/07/2012
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 07/30/2012
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 02/28/2012
Date achieved compliance: 08/22/2012
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 07/30/2012
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported

OREGON PLATING COMPANY INC (Continued) **1000236252**

Area of violation: Generators - Pre-transport
Date violation determined: 02/28/2012
Date achieved compliance: 03/07/2012
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 09/06/2012
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 10200
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 11/09/2007
Date achieved compliance: 09/12/2008
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 12/11/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 11/09/2007
Date achieved compliance: 09/12/2008
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 12/11/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 11/09/2007
Date achieved compliance: 09/12/2008
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 12/11/2007
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation

OREGON PLATING COMPANY INC (Continued) **1000236252**

Date violation determined: 10/17/2005
Date achieved compliance: 12/28/2005
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 11/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 10/17/2005
Date achieved compliance: 12/28/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 06/19/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 7844
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/17/2005
Date achieved compliance: 12/28/2005
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 11/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 10/17/2005
Date achieved compliance: 12/28/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 06/19/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 7844
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 10/17/2005

OREGON PLATING COMPANY INC (Continued) **1000236252**

Date achieved compliance: 12/28/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 06/19/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 7844
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/17/2005
Date achieved compliance: 12/28/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) CP/CO ORDER
Enforcement action date: 06/19/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 7844
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 10/17/2005
Date achieved compliance: 12/28/2005
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 11/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 10/17/2005
Date achieved compliance: 12/28/2005
Violation lead agency: State
Enforcement action: NOTICE OF NONCOMPLIANCE
Enforcement action date: 11/28/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 08/22/2012
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported

OREGON PLATING COMPANY INC (Continued) **1000236252**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/27/2012
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: State Statute or Regulation
Date achieved compliance: 05/09/2012
Evaluation lead agency: State

Evaluation date: 02/28/2012
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/28/2012
Evaluation lead agency: State

Evaluation date: 02/28/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/28/2012
Evaluation lead agency: State

Evaluation date: 02/28/2012
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/21/2012
Evaluation lead agency: State

Evaluation date: 02/28/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/22/2012
Evaluation lead agency: State

Evaluation date: 02/28/2012
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/07/2012
Evaluation lead agency: State

Evaluation date: 02/28/2012
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/22/2012
Evaluation lead agency: State

Evaluation date: 02/28/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 03/07/2012
Evaluation lead agency: State

Evaluation date: 02/28/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/21/2012
Evaluation lead agency: State

OREGON PLATING COMPANY INC (Continued) **1000236252**

Evaluation date: 09/16/2010
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/09/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 09/12/2008
Evaluation lead agency: State

Evaluation date: 11/09/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 09/12/2008
Evaluation lead agency: State

Evaluation date: 11/09/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/12/2008
Evaluation lead agency: State

Evaluation date: 09/27/2006
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/28/2005
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/18/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: State Statute or Regulation
Date achieved compliance: 12/28/2005
Evaluation lead agency: State

Evaluation date: 10/18/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Pre-transport
Date achieved compliance: 12/28/2005
Evaluation lead agency: State

Evaluation date: 10/18/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Records/Reporting
Date achieved compliance: 12/28/2005
Evaluation lead agency: State

Evaluation date: 10/18/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - General

OREGON PLATING COMPANY INC (Continued) **1000236252**

Date achieved compliance: 12/28/2005
Evaluation lead agency: State

Evaluation date: 10/17/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - General
Date achieved compliance: 12/28/2005
Evaluation lead agency: State

Evaluation date: 10/17/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Records/Reporting
Date achieved compliance: 12/28/2005
Evaluation lead agency: State

Evaluation date: 10/17/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Pre-transport
Date achieved compliance: 12/28/2005
Evaluation lead agency: State

Evaluation date: 10/17/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 12/28/2005
Evaluation lead agency: State

Evaluation date: 10/17/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 12/28/2005
Evaluation lead agency: State

Evaluation date: 10/17/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 12/28/2005
Evaluation lead agency: State

Evaluation date: 10/17/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: State Statute or Regulation
Date achieved compliance: 12/28/2005
Evaluation lead agency: State

Evaluation date: 10/17/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/28/2005
Evaluation lead agency: State

Evaluation date: 02/14/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

OREGON PLATING COMPANY INC (Continued) **1000236252**

ECSI:
State ID Number: 4925
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: Suspect
FACA ID: 105684
Further Action: 0
Lat/Long (dms): 45 31 10.60 / -122 39 33.80
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: N
Range Coord: 1.00
Range Zone: E
Section Coord: 35
Qtr Section: CC
Tax Lots: 11800 (T1N/R1E-S35CC)
Size: 0.25 acre
NPL: False
Orphan: False
Updated By: JORR
Update Date: 11/12/2014
Created Date: 12/20/2007
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: Suspect
Decode For Legislative: Not reported
Alias Name: Electro Products Co.

Narrative:
NARR ID: 5750345
NARR Code: Site Contacts
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: SFORTUN
Updated Date: 04/10/2008
Decode for NarcdID: Site Contacts
NARR Comments: Scott A. Hunt, General ManagerOregon Plating Company, Inc.436 SE 6th AvenuePortland, OR 97214-1103503-232-7416503-369-8285 (cell)Linda K. Potts, PresidentOregon Plating Company, Inc.436 SE 6th AvenuePortland, OR 97214-1103503-232-7416

NARR ID: 5750347
NARR Code: Contamination
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: JORR
Updated Date: 11/12/2014
Decode for NarcdID: Contamination
NARR Comments: There is no data indicating whether or not hazardous substances associated with the site’s plating operations may have migrated beyond the confines of the facility’s basement.However:1. The facility is more than 80 years old, and plating operations have been

OREGON PLATING COMPANY INC (Continued) **1000236252**

conducted within the building for more than 75 years.2. The concrete basement floor where plating operations are conducted is coated with an acid-resistant coating. However, a. cracks have been discovered in the coating within a diked secondary containment structure surrounding one of the process's rinse tanks; b. several photos of the coated floor suggest that cracks may be present beneath the floor coating outside of the secondary containment structures; and c. staining, and in some cases, spilled plating solutions, were present on the floor and walls outside of the facility's secondary containment structures;3. The basement floor has floor drains which are believed to be plumbed to a basement sump, although there are no available as-built drawings of the subfloor plumbing, and it is unlikely that the subfloor plumbing would have originally been designed to withstand the corrosive effects of plating-related solutions. A Focused Feasibility Study (FFS) was completed in 2013 that documents soil and groundwater contamination below the building foundation. The FFS recommends Interim Remedial Actions for the site and is included as an attachment in WebDocs.

NARR ID: 5750349
NARR Code: Disposals
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: SFORTUN
Updated Date: 04/11/2008
Decode for NarcdID: Disposals
NARR Comments: The Portland Fire Department pumped potentially-contaminated water from the facility's basement into a nearby municipal stormsewer in December 2007 / January 2008.Plating wastes may have historically been discharged to the municipal stormsewer.

NARR ID: 5750341
NARR Code: Data Sources
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: SFORTUN
Updated Date: 04/24/2008
Decode for NarcdID: Data Sources
NARR Comments: 1. DEQ Northwest Region Hazardous Waste file for Oregon Plating Company, OHWIME #59262. Response to December 21, 2007, DEQ Site Assessment Information Request, Oregon Plating Company, February 8, 2008. 3. Oregon Emergency Response Information System, Spill Report Summaries, OERS Number 99-0306, April 30, 1999, and OERS Number 07-3020, December 31, 2007.4. DEQ Northwest Region Pollution Complaints Database, Complaint NWR-1990-0751, April 13, 1990 , and Complaint NWR-1990-2015, August 30, 1990.5. Sanborn Fire Insurance Maps of Portland Oregon, 1950, 1924, 1909, 1901, 1889.6. Personal communications with the City of Portland, Bureau of Environmental Services, Industrial Stormwater Program, January 7, 2008, January 14, 2008, February 6, 2008, February 14, 2008.7. Personal communications with DEQ Hazardous Waste Compliance inspector Rick Silverman, April 8, 2008. 8. Personal communications with Portland Water Bureau personnel, April 23, 2008.9. Personal communications with the Portland Fire Department Station #1 Fire Chief, April 24, 2008.

NARR ID: 5750336
NARR Code: General Site Description

OREGON PLATING COMPANY INC (Continued) **1000236252**

Created By: SFORTUN
Created Date: 04/10/2008
Updated By: JORR
Updated Date: 11/12/2014
Decode for NarcdID: General Site Description
NARR Comments: The site is comprised of a 10,000 square foot, 1-story, reinforced concrete structure located on an 11,000 square foot tax lot within an area of SE Portland that is zoned for commercial and industrial use. The building shares its northern exterior wall with an adjoining commercial structure; public sidewalks and paved streets are located along the buildings western and southern perimeters (see Figure 4). Oregon Plating Company owns the entire 10,000 square foot building, although plating operations (see Figure 5) are conducted only within the buildings basement. The buildings ground floor is currently rented to Art Home Company, an art and framing shop, Arno Piano Repair, and Liquid Moves Entertainment / Center Space, a dance and activity center. A Focused Feasibility Study (FFS) was completed in 2013 that documents soil and groundwater contamination below the building foundation. The FFS recommends Interim Remedial Actions for the site and is included as an attachment in WebDocs.

NARR ID: 5750338
NARR Code: Hazardous Substance/Waste Types
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: SFORTUN
Updated Date: 04/10/2008
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Over the past 85 years, the facility has used a variety hazardous materials including acids, bases, toxic metals (chromium, copper, nickel, silver, zinc, lead, cadmium), cyanide salts, ammonium salts, and chlorinated solvents (methylene chloride). Hazardous substances have likely been present in the form of liquid solutions, liquid mists, gaseous vapors, and dusts generated through sandblasting and mechanical polishing.

NARR ID: 5750342
NARR Code: Project Issues Summary
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: SFORTUN
Updated Date: 04/11/2008
Decode for NarcdID: Project Issues Summary
NARR Comments: DEQs Hazardous Waste program referred the Oregon Plating Company site to Site Assessment based on observed hazardous substance handling and storage conditions within the facility. DEQs Cleanup Program only addresses sites where contaminants have been released to the environment, or where there is a significant threat of a release to the environment. Although there have been documented releases of hazardous substance within the facility, there is only circumstantial evidence and no test data - indicating that contaminants may have actually escaped the building confines.The concrete floor of the Oregon Plating Companys basement is coated with an acid-resistant coating. However, plating operations in this building began more than 75 years ago, and it is not known when acid-resistant coatings were first applied to the floor, or how well the coatings have been maintained over the years. Photos from DEQs October 2005 HW

OREGON PLATING COMPANY INC (Continued) **1000236252**

Compliance Inspection of the facility also depict areas of the flooring where cracks may be present beneath the coating (see Plates 4 through 6) . In April 2008, DEQ Hazardous Waste inspectors learned that cracks had been discovered in the protective coating in a diked secondary containment structure surrounding one of the facilitys rinse tanks . Discontinuities or disruptions in the floors acid-resistant coating could allow waste plating solutions to migrate through the concrete floor and into underlying soils.It is not known how well seams between the basements floor and concrete walls are sealed. Significant gaps are typically present between basement floors and walls at the time of building construction. Unless these gaps have been adequately sealed, accumulated particulates or ponded liquids at the wall / floor interface can migrate to the subsurface. Photo D of Plates 1 and 3, and photo A of Plate 3 each depict staining that extends upward from the facilitys basement floor onto the basement walls. This should be a particular concern along the facilitys collapsing east wall, where it would be difficult to maintain waterproof seals. The City of Portland suspects that a floor drain in the facilitys basement floor is plumbed to a sump near the basements south wall, although neither the city nor the plating company has plumbing diagrams of the floor drainage system. Since the building appears to have been constructed up to six years before site electroplating operations began, it is unlikely that special design features or engineering controls were applied during construction of the basements floor drain or sump systems. Considering the age of the building and the corrosive nature of materials that have been handled within the building, subfloor plumbing components are likely to have significantly degraded over time, and leaked. Any leaks in the subfloor drainage system might allow hazardous substances to migrate to the subsurface. Any hazardous substances migrating to subsurface soils beneath the facility might also contaminate the areas seasonally shallow groundwater. Potential groundwater contamination could represent a threat to nearby downgradient wells. During periods of high groundwater tables, contaminated groundwater could also discharge to municipal stormsewers or preferentially migrate to the river along the sewer bedding. The nearest municipal stormsewer is a 6-foot diameter, brick and concrete sewer pipe that was constructed 8.5-14.5 feet beneath SE Stark Street in 1911. It gravity-drains westward along SE Stark Street, then discharges to the Willamette River at City Stormwater Outfall #37 (see Figures 10 and 11).Depending on the character of material that was used to backfill the gulch that historically passed beneath the facility, contaminated groundwater might also preferentially migrate along the former gulch and discharge to the Willamette River between SE Stark and Oak Streets. Dye tests conducted by the City of Portland in February 2008 demonstrated that the facilitys sump discharges only to the municipal sanitary sewer. However, a 1977 Portland Public Works wastewater sampling diagram of the facility suggests that the sump may have discharged to the municipal stormsewer at that time (see Figure 9). Plumbing permit records from the City of Portland describe modifications to the facilitys plumbing in 1930, 1955, 1970, 2001, and 2006. The plumbing permits provide only very limited information about the actual changes in the buildings plumbing. Only the 2001 and 2006 plumbing permits suggest potential modifications to the facilitys stormsewer lateral feed line. Any potential discharges of the facilitys plating wastes to the municipal stormsewer could have contaminated Willamette River surface water and sediments at City

OREGON PLATING COMPANY INC (Continued) **1000236252**

Outfall #37. GSI Water Solutions, Inc. has proposed the sampling of shallow and deep river sediments beneath City Outfalls #37 and #38 during April 2008 as part of a search for potential sediment contamination sources upstream from the Portland Harbor Superfund site (ECSI #2068; CERCLIS #SFN1002155). City Outfall #38 is located about 50 feet downstream from the area where the historic gulch is likely to have reached the river. Analyses of river sediments at Outfalls #37 and #38 should be useful in determining whether groundwater or stormwater discharging to this area of the river has been contaminated with significant concentrations of electroplating wastes.Water that infiltrated into Oregon Plating Companys basement during the December 2007 water main leak is likely to have dissolved residual wastes from the basement floor. The PFD pumped some of this water into the nearby stormsewer, but the concentrations of wastes in this water are unlikely to have been sufficiently high to significantly affect Willamette River sediments.

NARR ID: 5750340
NARR Code: Land Use (Current/Reasonably Likely)
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: SFORTUN
Updated Date: 04/11/2008
Decode for NarcdID: Land Use (Current/Reasonably Likely)
NARR Comments: The area surrounding the facility is zoned for mixed commercial and industrial use. While commercial land use predominates in the immediate vicinity of the site, low-income apartments are located as near as 160 feet west of the facility. Social service organizations operate from offices as near as 160 feet to the south, 225 feet to the southeast, and 440 feet to the north-northeast of the site (see Figure 6). A child daycare facility is located about 440 feet north-northeast of the facility.

NARR ID: 5750335
NARR Code: Site Location
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: SFORTUN
Updated Date: 04/10/2008
Decode for NarcdID: Site Location
NARR Comments: The plating facility is located in a commercial building on the east side of SE 6th Avenue. The building occupies the southwest quarter of the block between SE Oak and SE Stark Streets, and SE 6th and SE 7th Avenues (see Figures 1 through 4). SE Grand Avenue, the northbound lanes of Oregon Highway 99E, is located one block west of the facility; the Willamette River lies about 1,850 feet west of the site.
Not reported

NARR ID: 5750350
NARR Code: Media Contamination
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: SFORTUN
Updated Date: 04/11/2008
Decode for NarcdID: Media Contamination
NARR Comments: There are currently no data available to indicate whether or not environmental media are contaminated. However, potential historic

OREGON PLATING COMPANY INC (Continued) **1000236252**

releases may have contaminated soils and shallow groundwater beneath the facility, as well as Willamette River sediments.

NARR ID: 5750346
NARR Code: Site Ownership
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: SFORTUN
Updated Date: 04/10/2008
Decode for NarcdID: Site Ownership
NARR Comments: Linda K. PittsOregon Plating Company, Inc.436 SE 6th AvenuePortland, OR 97214-1103503-232-7416

NARR ID: 5750343
NARR Code: Pathways Other Hazards
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: JORR
Updated Date: 11/12/2014
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Potential contaminant release and migration pathways include:1. potential releases of airborne vapors, mists, or dust;2. potential migration of plating wastes to soils and shallow groundwater beneath the facility; and 3. potential historic releases of wastes to the nearby municipal stormsewer, which discharges to the Willamette River at Outfall #37.Any airborne releases of contaminants might represent a threat to nearby residents, pedestrians, or workers and customers in nearby commercial facilities. There have been no reports of airborn releases since potential releases associated with two Pollution Complaints in 1990. Since the locale of the site is generally covered by buildings, concrete sidewalks, and paved streets, direct public contact with potential soil contamination should be quite limited. Potential subsurface soil contamination could represent a threat to:1. utility trench workers; and 2. any future construction workers that may be working in soils excavated at the site.Potential releases to soils beneath the facility would likely also contaminated shallow groundwater. Groundwater contamination could represent a potential threat to:1. downgradient well users; and2. aquatic life in the Willamette River.The Portland Fire Department pumped potentially contaminated water from the facility's basement to the nearby municipal stormsewer on December 31, 2007. Plating wastes may also have been historically discharged to the nearby stormsewer. Contaminant releases to the stormsewer could represent a threat to: 1. sewer maintenance workers; and2. aquatic life and wildlife in the Willamette River, including Threatened and Endangered anadromous fish, and migratory waterfowl protected by international treaty.

NARR ID: 5750344
NARR Code: Substances of Concern
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: SFORTUN
Updated Date: 04/10/2008
Decode for NarcdID: Substances of Concern
NARR Comments: Toxic metals (chromium, copper, nickel, silver, zinc, lead, cadmium), cyanide, ammonia, methylene chloride.

OREGON PLATING COMPANY INC (Continued) **1000236252**

NARR ID: 5750348
NARR Code: Health Threats
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: SFORTUN
Updated Date: 04/24/2008
Decode for NarcdID: Health Threats
NARR Comments: Although the site is located in an area having a disproportionately high concentration of individuals living below the federal poverty level (a Vulnerable Area), the site locale is generally covered by buildings, concrete sidewalks, and paved streets. Direct public contact with any potential released contaminants, airborne releases notwithstanding, should be quite limited. The most likely receptors for hazardous substances potentially released at the site would likely be limited to: aquatic life and wildlife in the Willamette River; well water users directly downgradient from the site; sewer maintenance workers; utility trench workers; and any future construction workers that may be working in soils excavated at the site.

NARR ID: 5750339
NARR Code: Water Use (Current/Reasonably Likely)
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: SFORTUN
Updated Date: 04/11/2008
Decode for NarcdID: Water Use (Current/Reasonably Likely)
NARR Comments: Drinking Water Supply:The City of Portland has a well-developed and readily-accessible Community Drinking Water Supply system with surface water sources from reservoirs within in the Bull Run Watershed, on the west slope of Mt. Hood, at least 25 miles east-southeast of the site, and supplemental groundwater sources from deep wells along the south shore of the Columbia River, over 6 miles east-northeast of the site. Groundwater:Oregon Water Resources Department [OWRD] and the U.S. Geological Survey [USGS] have records for over 50 production wells within one mile of the site (see Figure 8). The vast majority of these wells appear to be industrial-use wells. The Willamette River channel is over 1,100 feet wide and more than 50 feet deep near the site, and substantial groundwater recharge occurs in the West Hills on the west edge of downtown Portland, so it appears very unlikely that wells on the west side of the river would be affected by any contaminant releases at the site. At least four production wells are located within + mile of the site; at least 14 wells lie within + mile of the site (see Figure 8). The nearest well appears to be a 90 foot deep well (MULT 1008) located at an outdoor supply and military surplus goods store about 250 feet northwest of the Oregon Plating Company facility. When the well was constructed in 1961, its proposed use was described as other, although a Certified Water Right was issued in 1963, allowing groundwater to be used for air conditioning.The nearest domestic-use well (MULT 83130 / MULT 86582) appears to be a 290 foot deep well about 0.3 mile northeast of the site. The well was installed in 2006 on an undeveloped lot adjacent to a commercial rock climbing gym and a Housing Authority of Portland transitional housing unit for the homeless. The boring log for this well proposed that the well be used for both domestic purposes and for thermal-use (such as heating and air conditioning).OWRD has records for three industrial wells located

OREGON PLATING COMPANY INC (Continued) **1000236252**

850- to 1,500 feet west of the facility, between the facility and the Willamette River. The nearest is a 12-inch diameter, 263 foot deep well that was installed for the former Corvallis Creamery. The site is currently occupied by a cafT, a food-distribution warehouse, and several unrelated small businesses. It is not known if the well is still being used or still exists.OWRD records indicate that three industrial wells were installed for Northwest Ice & Cold Storage Company, about 1,500 feet west of the site, in 1912-28. The wells were 235-265 feet deep, and 8- to 12 inches in diameter. OWRD records indicate that one of the wells was decommissioned in 1988, although there are no decommissioning records for the two remaining wells. It is not know if the wells still exist or are still being used. A new building that houses a woodwork supplier was constructed on the northern portion of the former Northwest Ice & Cold Storage Company site in 1996. The Youth Progress Association, a non-profit independent living organization for adjudicated youth, and the Youth Progress Learning Center, a provisionally-accredited special purpose school for adjudicated youth, occupy part of the former site.OWRD also has records for an 8-inch diameter, 105 foot deep industrial well installed about 1,000 feet east of (upgradient from) the Oregon Plating Company. The well was installed in 1956 for Lewis Brothers, Inc., a food processor. The site is currently owned by Northwest Medical, Inc., a hospital and nursing home durable goods supplier. Current use of the well is not known, although a Water Right Certification that was issued in 1961 for industrial use of groundwater remains on file at OWRD, and has not been revoked.Surface Water:The nearest downgradient surface water body is the Willamette River, about 1,850 feet (0.35 mile) west of the site. In the Portland area, the Willamette River is used for recreational boating and swimming, and for sport, tribal, and limited commercial fishing. The river also provides important migratory and rearing habitat for Threatened and Endangered anadromous fish, including coho and Chinook salmon and steelhead trout, as well as seasonal habitat for migratory waterfowl, and foraging habitat for other protected bird species such as the bald eagle. Migratory waterfowl are protected by international treaty. The bald eagle is federally-listed Threatened Species.

NARR ID: 5750337
NARR Code: Site History
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: SFORTUN
Updated Date: 04/11/2008
Decode for NarcdID: Site History
NARR Comments: The plating company has had several owners, and has operated under several names and from several Portland locations since it was first established over 100 years ago. Oregon Plating Works was established in 1890, and previously operated at three SW Portland locations, and from another SE Portland facility at the nearby intersection of SE Oak Street and MLK Boulevard. The company changed its name to Oregon Plating Company in 1930. From 1920 to 1967, the company simultaneously operated under two names: Oregon Plating Company and Electro Products Company.The SE 6th Avenue facility was constructed in 1924, although plating operations did not begin at this facility until about 1930. Sanborn Fire Insurance Maps indicate that the facility was damaged by fire in about 1950. At that time, Sanborn maps depict another plating operation in a building less than one

OREGON PLATING COMPANY INC (Continued) **1000236252**

block south of the site, although there is no indication whether this may have been a temporary operating location for Oregon Plating Company. Linda Pitt and Gary Davis purchased the business in 1984. Ms. Pitt has been the sole owner since 1995.

NARR ID: 5750351
NARR Code: 1922
Created By: SFORTUN
Created Date: 04/10/2008
Updated By: JORR
Updated Date: 11/12/2014
Decode for NarcdID: Current Site Summary Statement
NARR Comments: Oregon Plating Company has conducted electroplating activities in the same SE Portland facility for over 75 years. Current electroplating activities are confined to the facilitys basement. Although the company appears to have been in compliance with their Air Contaminant Discharge and Pre-Treated Wastewater Discharge Permits for the past six or more years, recent DEQ Hazardous Waste Compliance Inspections have documented operating and waste handling conditions and practices that could result in contaminant releases to the environment. The facilitys concrete basement floor is coated with an acid-resistant coating. It is unclear when the floors were first coated, and how well the coating has been maintained. The basement floor also has floor drains which are believed to be plumbed to a basement sump. Plating wastewaters are collected in the sump, and recent dye tests have verified that the sump discharges to the municipal sanitary sewer. However, the building appears to have been constructed at least six years before site plating operations began, and subfloor plumbing may not have been adequately engineered to withstand corrosive electroplating wastes. Cracks in the acic-resistant floor coating or the underlying concrete could have allowed wastes to migrate through the floor and into underlying soils and shallow groundwater. Subfloor plumbing leaks could have released contaminants directly to underlying soils and shallow groundwater. Groundwater contamination could represent a threat to nearby downgradient well users. Subsurface soil contamination could represent a potential threat to utility trench workers or future construction workers that handle excavated soils.A historic city wastewater monitoring diagram of the facility suggests that the sump may have been plumbed to the municipal stormsewer in the past. Contaminants within the stormsewer system could represent a threat to sewer maintenance workers. The nearby stormsewer discharges to the Willamette River, so waste releases to the stormsewer could have contaminated river sediments and represent a longterm threat to the rivers aquatic life and wildlife. Subsurface investigaitons have indicated contamination of soils below the site foundation by metals, VOCs, and acids. A Focused Feasibility (completed in 2013 and included in WebDocs) document the contaminaiton and proposed Interim Remedial Measures.

Administrative Action:
Action ID: 9425
Region: Eastern Region
Complete Date: 11/12/2009
Rank Value: Not reported
Cleanup Flag: True
Created Date: 01/15/2010
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Eastern Region

OREGON PLATING COMPANY INC (Continued) **1000236252**

Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: High-Medium
Comments: Not reported

Action ID: 9440
Region: Eastern Region
Complete Date: 01/13/2009
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/15/2010
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Eastern Region
Category: Remedial Action
Action Code Flag: False
Action: Letter Agreement
Further Action: 0
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 09/23/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/22/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Project being re-assigned from Eastern Region

Action ID: 9426
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/07/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Further Action: 0
Comments: Approved Interim Remedial Action, remedial action work plan Under review.

Action ID: 9424
Region: Not reported
Complete Date: 12/20/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/20/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported

OREGON PLATING COMPANY INC (Continued) **1000236252**

Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Northwestern Region
Complete Date: 12/20/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/20/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: 0
Comments: Not reported

Action ID: 9425
Region: Northwestern Region
Complete Date: 04/10/2008
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/10/2008
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: 0
Comments: Not reported

Action ID: 9449
Region: Northwestern Region
Complete Date: 04/10/2008
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/10/2008
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Insufficient information to list
Further Action: 0
Comments: Not reported

Action ID: 9502
Region: Northwestern Region
Complete Date: 04/10/2008
Rank Value: 92
Cleanup Flag: False
Created Date: 04/10/2008
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action

OREGON PLATING COMPANY INC (Continued) **1000236252**

Action Code Flag: False
Action: Remedial Investigation recommended (RI)
Further Action: High
Comments: Not reported

Action ID: 9521
Region: Northwestern Region
Complete Date: 04/25/2008
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/10/2008
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: OPTN
Further Action: 0
Comments: Not reported

Operations:

Operation Id: 135374
Operation Status: Active
Common Name: Oregon Plating Company, Inc.
Yrs of Operation: 1930 - present
Comments: Previously operated as Oregon Plating Works
Updated Date: 03/20/2008
Updated By: SFORTUN
Decode for OpstatID: Active
Operations SIC Id: 198812
SIC Code: 3471
Created By: SFORTUN
Created Date: 03/20/2008

Operation Id: 135375
Operation Status: Inactive
Common Name: Electro Products Co.
Yrs of Operation: 1924-1967
Comments: Operated from the same locations, and in conjunction with, Oregon Plating Co., Inc. (1930-67) and Oregon Plating Works (1924-29).
Updated Date: 03/20/2008
Updated By: SFORTUN
Decode for OpstatID: Inactive

Operation Id: 135376
Operation Status: Inactive
Common Name: Oregon Plating Works
Yrs of Operation: 1890-1929
Comments: Subsequently operated as Oregon Plating Company, Inc.
Updated Date: 03/20/2008
Updated By: SFORTUN
Decode for OpstatID: Inactive

VCS:

ECS Site ID: 4925
Facility Size: 0.25 acre
Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Start Date: 09/23/2013

OREGON PLATING COMPANY INC (Continued) **1000236252**

End Date: Not reported
Facility Status: Inactive
Program: VCP
Latitude: 45.51959
Longitude: -122.6594

OR SPILLS:
Facility ID: 2007-3020
Incident Status: Archive
Material: Not reported
Quantity: 1000
Unit of Measure: Gallons
Release Date: 12/31/2007
Description: Rupture of Portland City water line caused contamination of water from plating company into the Willamette River.
Lat/Long: 45.5198 / -122.6596
Source: Business
Media: Not reported
Responsible Company: City of Portland
Responsible Address: 1120 SW 5th Ave
Responsible City,St,Zip: Portland, OR 97204-1912

EPA WATCH LIST:
Facility ID: ORD000407841
Program: RCRA Facilities
List date: November 2012 Watch List

Facility ID: ORD000407841
Program: RCRA Facilities
List date: October 2012 Watch List

FINDS:

Registry ID: 110002368884

Environmental Interest/Information System
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

HAZARDOUS AND CRITERIA AIR POLLUTANT MAJOR

OREGON PLATING COMPANY INC (Continued) **1000236252**

OR AIRS:

Year:	2011
Emission:	Not reported
Permit Type:	26-0064-02-01
Expiration Date:	Not reported
Source ID:	26-0064
Carbon Monoxide:	Not reported
Nitrogen Oxides or Nitrogen Dioxide:	Not reported
Particulate Matter w/diameter 10um or less:	Not reported
Particulate Matter w/diameter 2.5um or less	Not reported
Sulfur Dioxide:	Not reported
Volatile Organic Compounds:	Not reported
NAICS Code:	332813
Is Primary:	Not reported
SIC Code:	3471
Is Primary:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Poll:	Not reported

HAZNET:

envid:	1000236252
Year:	2006
GEPAID:	ORD000407841
Contact:	GARRY SMURTHWAITE
Telephone:	5032327416
Mailing Name:	Not reported
Mailing Address:	436 SE 6TH AVE
Mailing City,St,Zip:	PORTLAND, OR 97214
Gen County:	Not reported
TSD EPA ID:	CAD097030993
TSD County:	Not reported
Waste Category:	Not reported
Disposal Method:	Recycler
Tons:	Not reported
Cat Decode:	Not reported
Method Decode:	Recycler
Facility County:	Not reported

envid:	1000236252
Year:	2006
GEPAID:	ORD000407841
Contact:	GARRY SMURTHWAITE
Telephone:	5032327416
Mailing Name:	Not reported
Mailing Address:	436 SE 6TH AVE
Mailing City,St,Zip:	PORTLAND, OR 97214
Gen County:	Not reported
TSD EPA ID:	CAD097030993
TSD County:	Not reported
Waste Category:	Liquids with pH <= 2 with metals
Disposal Method:	Not reported
Tons:	0.12
Cat Decode:	Liquids with pH <= 2 with metals
Method Decode:	Not reported
Facility County:	Not reported

OREGON PLATING COMPANY INC (Continued) **1000236252**

envid: 1000236252
Year: 2006
GEPAID: ORD000407841
Contact: GARRY SMURTHWAITE
Telephone: 5032327416
Mailing Name: Not reported
Mailing Address: 436 SE 6TH AVE
Mailing City,St,Zip: PORTLAND, OR 97214
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Liquids with pH <= 2 with metals
Disposal Method: Recycler
Tons: 0.22
Cat Decode: Liquids with pH <= 2 with metals
Method Decode: Recycler
Facility County: Not reported

envid: 1000236252
Year: 2006
GEPAID: ORD000407841
Contact: GARRY SMURTHWAITE
Telephone: 5032327416
Mailing Name: Not reported
Mailing Address: 436 SE 6TH AVE
Mailing City,St,Zip: PORTLAND, OR 97214
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Liquids with pH <= 2 with metals
Disposal Method: Not reported
Tons: 0.41
Cat Decode: Liquids with pH <= 2 with metals
Method Decode: Not reported
Facility County: Not reported

envid: 1000236252
Year: 2006
GEPAID: ORD000407841
Contact: GARRY SMURTHWAITE
Telephone: 5032327416
Mailing Name: Not reported
Mailing Address: 436 SE 6TH AVE
Mailing City,St,Zip: PORTLAND, OR 97214
Gen County: Not reported
TSD EPA ID: CAD097030993
TSD County: Not reported
Waste Category: Liquids with pH <= 2 with metals
Disposal Method: Not reported
Tons: 0.22
Cat Decode: Liquids with pH <= 2 with metals
Method Decode: Not reported
Facility County: Not reported

Click this hyperlink while viewing on your computer to access
8 additional CA_HAZNET: record(s) in the EDR Site Report.

OREGON PLATING COMPANY INC (Continued) **1000236252**

OR MANIFEST:

Manifest Year:	Manifest Year - 2013
EPA Id:	ORD000407841
Inactive Status:	Not reported
Organization Name:	Not reported
Contact Name:	Garry Smurthwaite
Contact Telephone Number:	Not reported
Mailing Address:	436 SE 6th Ave
Mailing City/State/Zip:	Portland, OR 97214-1103

Manifest:

Year :	2013
RCRA Id :	ORD000407841
Inactive :	Not reported
Status:	Conditionally exempt generator
Manifest :	005095275
Ship Date :	08/26/2013
TSD :	IDD073114654
WS Num:	1
Transporter:	ORD009227398
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H132
EPA Waste Codes:	F006
Waste Description:	waste treatment sludge
Total Amt Of Waste Stream Generated in Reporting Yr 1:	224.48249999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2:	224.48249999999999

Year :	2013
RCRA Id :	ORD000407841
Inactive :	Not reported
Status:	Conditionally exempt generator
Manifest :	005095275
Ship Date :	08/26/2013
TSD :	IDD073114654
WS Num:	2
Transporter:	ORD009227398
Ship Qty :	Not reported
Rpt Unit :	Not reported
Off Mng :	H132
EPA Waste Codes:	D002 D007
Waste Description:	used inhibited hcl
Total Amt Of Waste Stream Generated in Reporting Yr 1:	673.44749999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2:	673.44749999999999

Year :	2013
RCRA Id :	ORD000407841
Inactive :	Not reported
Status:	Conditionally exempt generator
Manifest :	003095089
Ship Date :	05/28/2013
TSD :	ORD981766124
WS Num:	3
Transporter:	TXR000081205
Ship Qty :	Not reported
Rpt Unit :	Not reported

OREGON PLATING COMPANY INC (Continued) **1000236252**

Off Mng : H040
EPA Waste Codes: D039
Waste Description: Degreaser solvent
Total Amt Of Waste Stream Generated in Reporting Yr 1: 54.420000000000002
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18.140000000000001

Year : 2013
RCRA Id : ORD000407841
Inactive : Not reported
Status: Conditionally exempt generator
Manifest : 003681586
Ship Date : 01/16/2013
TSD : ORD981766124
WS Num: 3
Transporter: TXR000081205
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H040
EPA Waste Codes: D039
Waste Description: Degreaser solvent
Total Amt Of Waste Stream Generated in Reporting Yr 1: 54.420000000000002
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18.140000000000001

Year : 2013
RCRA Id : ORD000407841
Inactive : Not reported
Status: Conditionally exempt generator
Manifest : 003740647
Ship Date : 09/23/2013
TSD : ORD981766124
WS Num: 3
Transporter: TXR000081205
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H040
EPA Waste Codes: D039
Waste Description: Degreaser solvent
Total Amt Of Waste Stream Generated in Reporting Yr 1: 54.420000000000002
Total Amt Of Waste Stream Generated in Reporting Yr 2: 18.140000000000001

Manifest:
Year : 2012
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 004206227
Ship Date : 03/07/2012
TSD : IDD073114654
WS Num: 1
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D008
Waste Description: sulfuric acid and metal sludge

OREGON PLATING COMPANY INC (Continued) **1000236252**

Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2012
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 004206283
Ship Date : 03/28/2012
TSD : IDD073114654
WS Num: 2
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 F006
Waste Description: Wooden walkway clean up
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2012
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 004206414
Ship Date : 05/02/2012
TSD : IDD073114654
WS Num: 3
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: waste treatment sludge
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2012
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 006198112
Ship Date : 11/20/2012
TSD : IND000646943
WS Num: 4
Transporter: ORO000006221
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D007 D008
Waste Description: methylene chloride stripper
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2012
RCRA Id : ORD000407841
Inactive : Not reported

OREGON PLATING COMPANY INC (Continued) **1000236252**

Status: Large quantity generator
Manifest : 002768575
Ship Date : 02/04/2012
TSD : ORD981766124
WS Num: 5
Transporter: TXR000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D039
Waste Description: Degreaser solvent
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2012
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 003351847
Ship Date : 05/10/2012
TSD : ORD981766124
WS Num: 5
Transporter: TXR000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D039
Waste Description: Degreaser solvent
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2012
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 003416114
Ship Date : 09/13/2012
TSD : ORD981766124
WS Num: 5
Transporter: TXR000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D039
Waste Description: Degreaser solvent
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Manifest:
Year : 2011
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 003634618
Ship Date : 01/04/2011

OREGON PLATING COMPANY INC (Continued) **1000236252**

TSD : ORD981766124
WS Num: 1
Transporter: TXR000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H039
EPA Waste Codes: D001 D018 D039 D040
Waste Description: SPENT SOLVENT
Total Amt Of Waste Stream Generated in Reporting Yr 1: 38.094000000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 12.698

Year : 2011
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 004325144
Ship Date : 09/08/2011
TSD : ORD981766124
WS Num: 1
Transporter: TXR000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H039
EPA Waste Codes: D001 D018 D039 D040
Waste Description: SPENT SOLVENT
Total Amt Of Waste Stream Generated in Reporting Yr 1: 38.094000000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 12.698

Year : 2011
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 003604852
Ship Date : 04/26/2011
TSD : ORD981766124
WS Num: 1
Transporter: TXR000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H039
EPA Waste Codes: D001 D018 D039 D040
Waste Description: SPENT SOLVENT
Total Amt Of Waste Stream Generated in Reporting Yr 1: 38.094000000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 12.698

Year : 2011
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 002538804
Ship Date : 06/22/2011
TSD : IDD073114654
WS Num: 2
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132

OREGON PLATING COMPANY INC (Continued) **1000236252**

EPA Waste Codes: F006
Waste Description: sludge from batch treatment
Total Amt Of Waste Stream Generated in Reporting Yr 1: 748.27499999999998
Total Amt Of Waste Stream Generated in Reporting Yr 2: 498.85000000000002

Year : 2011
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 004205090
Ship Date : 09/21/2011
TSD : ORD981766124
WS Num: 2
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: sludge from batch treatment
Total Amt Of Waste Stream Generated in Reporting Yr 1: 748.27499999999998
Total Amt Of Waste Stream Generated in Reporting Yr 2: 249.42500000000001

Year : 2011
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 002538804
Ship Date : 06/22/2011
TSD : IDD073114654
WS Num: 3
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002
Waste Description: Contaminated nickel bath, dirty
Total Amt Of Waste Stream Generated in Reporting Yr 1: 498.85000000000002
Total Amt Of Waste Stream Generated in Reporting Yr 2: 498.85000000000002

Year : 2011
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 004205090
Ship Date : 09/21/2011
TSD : IDD073114654
WS Num: 4
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D007
Waste Description: Used Nitric acid (rack stripper)
Total Amt Of Waste Stream Generated in Reporting Yr 1: 249.42500000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 249.42500000000001

Year : 2011

OREGON PLATING COMPANY INC (Continued) **1000236252**

RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 004205090
Ship Date : 09/21/2011
TSD : IDD073114654
WS Num: 5
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D007
Waste Description: Spent Inh. Hcl from pickeling
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1346.895
Total Amt Of Waste Stream Generated in Reporting Yr 2: 1346.895

Manifest:
Year : 2010
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 005569202
Ship Date : 06/30/2010
TSD : IDD073114654
WS Num: 1
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: sludge from batch treatment
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1489.7474999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 816.29999999999995

Year : 2010
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 006908073
Ship Date : 09/22/2010
TSD : IDD073114654
WS Num: 1
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: sludge from batch treatment
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1489.7474999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 224.48249999999999

Year : 2010
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator

OREGON PLATING COMPANY INC (Continued) **1000236252**

Manifest : 005569056
Ship Date : 05/05/2010
TSD : IDD073114654
WS Num: 1
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: sludge from batch treatment
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1489.7474999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 448.96499999999997

Year : 2010
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 005569202
Ship Date : 06/30/2010
TSD : IDD073114654
WS Num: 2
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002
Waste Description: wrong chemical mixture
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1360.5
Total Amt Of Waste Stream Generated in Reporting Yr 2: 1360.5

Year : 2010
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 005569202
Ship Date : 06/30/2010
TSD : IDD073114654
WS Num: 3
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D007
Waste Description: Sludge from tank bottom
Total Amt Of Waste Stream Generated in Reporting Yr 1: 113.375
Total Amt Of Waste Stream Generated in Reporting Yr 2: 113.375

Year : 2010
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 005569202
Ship Date : 06/30/2010
TSD : IDD073114654
WS Num: 4
Transporter: ORD009227398
Ship Qty : Not reported

OREGON PLATING COMPANY INC (Continued) **1000236252**

Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002
Waste Description: anode bags from copper & nickel tanks
Total Amt Of Waste Stream Generated in Reporting Yr 1: 90.700000000000003
Total Amt Of Waste Stream Generated in Reporting Yr 2: 90.700000000000003

Year : 2010
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 006908073
Ship Date : 09/22/2010
TSD : IDD073114654
WS Num: 5
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002
Waste Description: Acid copper bath, contaminated, old
Total Amt Of Waste Stream Generated in Reporting Yr 1: 3142.7550000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 3142.7550000000001

Year : 2010
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 006908073
Ship Date : 09/22/2010
TSD : IDD073114654
WS Num: 6
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002
Waste Description: Contaminated nickel bath, dirty
Total Amt Of Waste Stream Generated in Reporting Yr 1: 224.48249999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 224.48249999999999

Year : 2010
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 006908073
Ship Date : 09/22/2010
TSD : IDD073114654
WS Num: 7
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002
Waste Description: Used carbon from Nickel filter
Total Amt Of Waste Stream Generated in Reporting Yr 1: 158.72499999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 158.72499999999999

OREGON PLATING COMPANY INC (Continued) **1000236252**

Year : 2010
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 006908101
Ship Date : 10/06/2010
TSD : IDD073114654
WS Num: 8
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Cyanide copper bath, spent, contaminated
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1571.3775000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 1571.3775000000001

Year : 2010
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000375009
Ship Date : 08/17/2010
TSD : ORD981766124
WS Num: 9
Transporter: TXR000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D001 D018 D039 D040
Waste Description: SPENT SOLVENT
Total Amt Of Waste Stream Generated in Reporting Yr 1: 25.396000000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 12.698

Year : 2010
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 002400761
Ship Date : 04/15/2010
TSD : ORD981766124
WS Num: 9
Transporter: TXR000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D001 D018 D039 D040
Waste Description: SPENT SOLVENT
Total Amt Of Waste Stream Generated in Reporting Yr 1: 25.396000000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 12.698

Manifest:
Year : 2009
RCRA Id : ORD000407841
Inactive : Not reported

OREGON PLATING COMPANY INC (Continued) **1000236252**

Status: Large quantity generator
Manifest : 000964056
Ship Date : 01/06/2009
TSD : IDD073114654
WS Num: 1
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: sludge from batch waste treatment (undried)
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2020.3425
Total Amt Of Waste Stream Generated in Reporting Yr 2: 673.44749999999999

Year : 2009
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 003997330
Ship Date : 10/07/2009
TSD : IDD073114654
WS Num: 1
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: sludge from batch waste treatment (undried)
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2020.3425
Total Amt Of Waste Stream Generated in Reporting Yr 2: 448.96499999999997

Year : 2009
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 003997607
Ship Date : 06/24/2009
TSD : IDD073114654
WS Num: 1
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: sludge from batch waste treatment (undried)
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2020.3425
Total Amt Of Waste Stream Generated in Reporting Yr 2: 448.96499999999997

Year : 2009
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000012816
Ship Date : 07/22/2009
TSD : IDD073114654
WS Num: 3
Transporter: ORD009227398

OREGON PLATING COMPANY INC (Continued) **1000236252**

Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D007
Waste Description: contaminated wood decking from stripping area
Total Amt Of Waste Stream Generated in Reporting Yr 1: 226.75
Total Amt Of Waste Stream Generated in Reporting Yr 2: 226.75

Year : 2009
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 001792054
Ship Date : 08/06/2009
TSD : ORD981766124
WS Num: 2
Transporter: TRX000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D001 D018 D039 D040
Waste Description: SPENT SOLVENT
Total Amt Of Waste Stream Generated in Reporting Yr 1: 40.814999999999998
Total Amt Of Waste Stream Generated in Reporting Yr 2: 16.326000000000001

Year : 2009
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 003997609
Ship Date : 06/24/2009
TSD : KSD980633259
WS Num: 4
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H061
EPA Waste Codes: D001 F002
Waste Description: SPENT PAINT STRIPPER MCHF
Total Amt Of Waste Stream Generated in Reporting Yr 1: 75.734499999999997
Total Amt Of Waste Stream Generated in Reporting Yr 2: 75.734499999999997

Year : 2009
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 001330576
Ship Date : 01/23/2009
TSD : ORD981766124
WS Num: 2
Transporter: TRX000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D001 D018 D039 D040
Waste Description: SPENT SOLVENT
Total Amt Of Waste Stream Generated in Reporting Yr 1: 40.814999999999998

OREGON PLATING COMPANY INC (Continued) **1000236252**

Total Amt Of Waste Stream Generated in Reporting Yr 2: 24.489000000000001

Year : 2009
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000964338
Ship Date : 03/26/2009
TSD : IDD073114654
WS Num: 1
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: sludge from batch waste treatment (undried)
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2020.3425
Total Amt Of Waste Stream Generated in Reporting Yr 2: 448.96499999999997

Manifest:
Year : 2008
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000964016
Ship Date : 08/01/2008
TSD : IDD073114654
WS Num: 7
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D008
Waste Description: sludge from electrostrip tank
Total Amt Of Waste Stream Generated in Reporting Yr 1: 224.48249999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 224.48249999999999

Year : 2008
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000964016
Ship Date : 08/01/2008
TSD : IDD073114654
WS Num: 6
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D008
Waste Description: sulfuric acid spent strip
Total Amt Of Waste Stream Generated in Reporting Yr 1: 224.48249999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 224.48249999999999

Year : 2008

OREGON PLATING COMPANY INC (Continued) **1000236252**

RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000931156
Ship Date : 06/25/2008
TSD : ORD981766124
WS Num: 13
Transporter: TXR000050930
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H020
EPA Waste Codes: D001 D018 D039 D040
Waste Description: SPENT SOLVENT
Total Amt Of Waste Stream Generated in Reporting Yr 1: 22.221499999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 22.221499999999999

Year : 2008
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000964016
Ship Date : 08/01/2008
TSD : IDD073114654
WS Num: 10
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002
Waste Description: contaminated nickel plating bath
Total Amt Of Waste Stream Generated in Reporting Yr 1: 224.48249999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 224.48249999999999

Year : 2008
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 001989876
Ship Date : 04/03/2008
TSD : IDD073114654
WS Num: 11
Transporter: UTR000007708
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: sludge from batch waste treatment (undried)
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2693.79
Total Amt Of Waste Stream Generated in Reporting Yr 2: 1795.8599999999999

Year : 2008
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 003988774
Ship Date : 08/22/2008
TSD : IDD073114654

OREGON PLATING COMPANY INC (Continued) **1000236252**

WS Num: 1
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D007
Waste Description: wood decking from chrome room clean-up (contaminated)
Total Amt Of Waste Stream Generated in Reporting Yr 1: 453.5
Total Amt Of Waste Stream Generated in Reporting Yr 2: 453.5

Year : 2008
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000964016
Ship Date : 08/01/2008
TSD : IDD073114654
WS Num: 11
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: sludge from batch waste treatment (undried)
Total Amt Of Waste Stream Generated in Reporting Yr 1: 2693.79
Total Amt Of Waste Stream Generated in Reporting Yr 2: 897.92999999999995

Year : 2008
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000964016
Ship Date : 08/01/2008
TSD : IDD073114654
WS Num: 4
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D007
Waste Description: old chrome dragout rinse tank
Total Amt Of Waste Stream Generated in Reporting Yr 1: 226.75
Total Amt Of Waste Stream Generated in Reporting Yr 2: 226.75

Year : 2008
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000964016
Ship Date : 08/01/2008
TSD : IDD073114654
WS Num: 3
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D007

OREGON PLATING COMPANY INC (Continued) **1000236252**

Waste Description: old liner from chrome room moat
Total Amt Of Waste Stream Generated in Reporting Yr 1: 90.700000000000003
Total Amt Of Waste Stream Generated in Reporting Yr 2: 90.700000000000003

Year : 2008
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000964016
Ship Date : 08/01/2008
TSD : IDD073114654
WS Num: 8
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D007 D008
Waste Description: lead anodes from chrome plate
Total Amt Of Waste Stream Generated in Reporting Yr 1: 115.6425
Total Amt Of Waste Stream Generated in Reporting Yr 2: 115.6425

Year : 2008
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 003988774
Ship Date : 08/22/2008
TSD : IDD073114654
WS Num: 2
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: moat clean-up (nickel area)
Total Amt Of Waste Stream Generated in Reporting Yr 1: 224.48249999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 224.48249999999999

Year : 2008
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000964016
Ship Date : 08/01/2008
TSD : IDD073114654
WS Num: 5
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D007
Waste Description: liquid from chrome room cleanup
Total Amt Of Waste Stream Generated in Reporting Yr 1: 224.48249999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 224.48249999999999

OREGON PLATING COMPANY INC (Continued) **1000236252**

Manifest:
Year : 2007
RCRA Id : ORD000407841
Inactive : Not reported
Status: Small quantity generator
Manifest : 001983670
Ship Date : 07/27/2007
TSD : IDD073114654
WS Num: 3
Transporter: WAR000001263
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: D002 D008
Waste Description: Electro-strip sludge from tank bottom Nickel strip (sulfuric acid)
Total Amt Of Waste Stream Generated in Reporting Yr 1: 462.56999999999999
Total Amt Of Waste Stream Generated in Reporting Yr 2: 462.56999999999999

Year : 2007
RCRA Id : ORD000407841
Inactive : Not reported
Status: Small quantity generator
Manifest : 001983976
Ship Date : 11/09/2007
TSD : IDD073114654
WS Num: 2
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Wood debris from decking in plating area contam. w/ copper & nickel sal
Total Amt Of Waste Stream Generated in Reporting Yr 1: 215.41
Total Amt Of Waste Stream Generated in Reporting Yr 2: 215.41

Year : 2007
RCRA Id : ORD000407841
Inactive : Not reported
Status: Small quantity generator
Manifest : 001983976
Ship Date : 11/09/2007
TSD : IDD073114654
WS Num: 1
Transporter: ORD009227398
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Multi-metal sludge - dry slude from waste water treatment system.
Total Amt Of Waste Stream Generated in Reporting Yr 1: 136.96000000000001
Total Amt Of Waste Stream Generated in Reporting Yr 2: 136.96000000000001

Manifest:
Year : 2006

OREGON PLATING COMPANY INC (Continued) **1000236252**

RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 71634
Ship Date : 01/11/2006
TSD : WAD067548966
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 850
Rpt Unit : LB
Off Mng : H061
EPA Waste Codes: D001 F002 F005
Waste Description: Paint strip sludge - sludge from bottom of paint strip tank.
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 71706
Ship Date : 02/03/2006
TSD : WAD067548966
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 500
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: D002 D007 F006
Waste Description: Nickel sludge removed from secondary containment
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 001668552
Ship Date : 12/20/2006
TSD : IDD073114654
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 2010
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Wood debris from decking in plating area contam. with copper & nickel s
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 71762
Ship Date : 02/17/2006
TSD : OHD980613541

OREGON PLATING COMPANY INC (Continued) **1000236252**

WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 1394
Rpt Unit : LB
Off Mng : H040
EPA Waste Codes: D002
Waste Description: Zincate liquid - discontinued process for plating on aluminum
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 71933
Ship Date : 04/14/2006
TSD : OHD980613541
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 1445
Rpt Unit : LB
Off Mng : H040
EPA Waste Codes: D002 D006 D007
Waste Description: Spent - contaminated copper cyanide plating solution
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000965845
Ship Date : 10/25/2006
TSD : AZD081705402
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 100
Rpt Unit : LB
Off Mng : H040
EPA Waste Codes: D003 P106
Waste Description: Outdated chemical - stripping process no longer used.
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 71635
Ship Date : 01/11/2006
TSD : CAD097030993
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 468
Rpt Unit : LB
Off Mng : H081
EPA Waste Codes: D002

OREGON PLATING COMPANY INC (Continued) **1000236252**

Waste Description: Electro-strip sludge from tank bottom (Nickel strip)
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 72036
Ship Date : 05/25/2006
TSD : CAD097030993
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 468
Rpt Unit : LB
Off Mng : H081
EPA Waste Codes: D002
Waste Description: Electro-strip liquid- spent stripping solution (Nickel strip) sulfuric acid
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000965640
Ship Date : 09/14/2006
TSD : IDD073114654
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 550
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: D002 D007
Waste Description: Chrome plating soulution removed from secondary containment - contaminated.
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000965640
Ship Date : 09/14/2006
TSD : IDD073114654
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 251
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: F008
Waste Description: Discontinued process - zincate for plating on aluminum base metals
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841

OREGON PLATING COMPANY INC (Continued) **1000236252**

Inactive : Not reported
Status: Large quantity generator
Manifest : 71707
Ship Date : 02/03/2006
TSD : CAD097030993
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 935
Rpt Unit : LB
Off Mng : H081
EPA Waste Codes: D002
Waste Description: Electro-strip liquid- spent stripping solution (Nickel strip) sulfuric acid
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000965640
Ship Date : 09/14/2006
TSD : IDD073114654
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 459
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: D002
Waste Description: Spent nitric acid - used for strippint plating from racks
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 71634
Ship Date : 01/11/2006
TSD : WAD067548966
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 450
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: D002
Waste Description: Spent strip sludge - Ammoniated stipper discontinued
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 71706
Ship Date : 02/03/2006
TSD : WAD067548966
WS Num: Not reported

OREGON PLATING COMPANY INC (Continued) **1000236252**

Transporter: ORD009227398
Ship Qty : 540
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: D002 D007 F006
Waste Description: Chrome - Nickel sludge removed from secondary containment.
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 72035
Ship Date : 05/25/2006
TSD : ORD089452353
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 550
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Multi-metal sludge - from pretreatment waste treatment of spent acids.
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 71707
Ship Date : 02/03/2006
TSD : CAD097030993
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 255
Rpt Unit : LB
Off Mng : H081
EPA Waste Codes: D002
Waste Description: Electro-strip sludge from tank bottom (Nickel strip)
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000965640
Ship Date : 09/14/2006
TSD : IDD073114654
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 459
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: D002
Waste Description: Copper Sulfate crystals removed from secondary containment.

OREGON PLATING COMPANY INC (Continued) **1000236252**

Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 71706
Ship Date : 02/03/2006
TSD : WAD067548966
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 3465
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: D002 D007 F006
Waste Description: Chrome and Nickel liquid removed from secondary containment
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000965640
Ship Date : 09/14/2006
TSD : IDD073114654
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 459
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: D002
Waste Description: Contaminated Nickel plating bath removed from secondary containment.
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Year : 2006
RCRA Id : ORD000407841
Inactive : Not reported
Status: Large quantity generator
Manifest : 000965640
Ship Date : 09/14/2006
TSD : IDD073114654
WS Num: Not reported
Transporter: ORD009227398
Ship Qty : 550
Rpt Unit : LB
Off Mng : H132
EPA Waste Codes: F006
Waste Description: Multi-metal sludge - from pretreatment waste treatment of spent acids.
Total Amt Of Waste Stream Generated in Reporting Yr 1: Not reported
Total Amt Of Waste Stream Generated in Reporting Yr 2: Not reported

Click this hyperlink while viewing on your computer to access
66 additional OR_MANIFEST: record(s) in the EDR Site Report.

OREGON PLATING COMPANY INC (Continued) **1000236252**

ECHO:

Envid:	1000236252
Registry ID:	110002368884
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.51958
Longitude:	-122.65938
Map Icon:	RCRA-IC-MN-4.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510021001139
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Y
MYRTK Universe:	NNN
Inspection Count:	1
Date Last Inspection:	02/28/2012
Days Last Inspection:	1300
Informal Count:	2
Date Last Informal Action:	07/30/2012
Formal Action Count:	2
Date Last Formal Action:	03/25/2015
Total Penalties:	5400
Penalty Count:	1
Date Last Penalty:	03/25/2015
Last Penalty Amount:	5400
QTRS in NC:	0
Programs in SNC:	0
Curr Compliance Status:	No Violation
Curr SNC Flag:	N
3yr Compliance Status:	_____
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported

OREGON PLATING COMPANY INC (Continued) **1000236252**

CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	ORD000407841
RCRA Permit Types:	CESQG
RCRA NAICS:	332813
RCRA Inspection Count:	1
RCRA Days Last Evaluation:	1300
RCRA Informal Count:	2
RCRA Formal Action Count:	2
RCRA Date Last Formal Action:	03/25/2015
RCRA Penalties:	5400
RCRA Last Penality Date:	03/25/2015
RCRA Last Penality Amount:	5400
RCRA QTRS in NC:	0
RCRA Curr Compliance Status:	No Violation
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	_____
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported

OREGON PLATING COMPANY INC (Continued) **1000236252**

FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110002368884
Facility SIC Codes:	Not reported
Facility NAICS Codes:	332813
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	02/28/2012
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	03/25/2015
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	07/30/2012
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

CQ437 **HEATING OIL TANK** **OR LUST** **S106116912**
NE **525 SE 15TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.401 mi.
2115 ft. **Site 2 of 3 in cluster CQ**

Relative:
Higher

Actual:
101 ft.

LUST:

Region:	North Western Region
Facility ID:	26-03-2381
Cleanup Received Date:	11/10/2003
Cleanup Start Date:	11/10/2003
Cleanup Complete Date:	**05/19/2004**
Decode for Region:	**North West Region**

CH438 **CONSOLIDATED ELEC. DISTRIBUTORS WAREHOUSE (FORMER)** **OR ECSI** **S112058059**
WNW **111-115 SE YAMHILL ST.** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.402 mi.
2124 ft. **Site 2 of 3 in cluster CH**

Relative:
Lower

Actual:
40 ft.

ECSI:

State ID Number:	5728
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	No Further Action
FACA ID:	124109
Further Action:	0
Lat/Long (dms):	45 30 58.30 / -122 39 51.50
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	3
Qtr Section:	AA
Tax Lots:	5500 of T1S/R1E-S03AA

CONSOLIDATED ELEC. DISTRIBUTORS WAREHOUSE (FORMER) (Continued) **S112058059**

Size: 0.79 acres
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 11/21/2012
Created Date: 06/07/2012
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action
Decode For Legislative: Not reported
Alias Name: Consolidate Electrical Distributors
Alias Name: Driver Resources, LLC
Alias Name: Office Furniture Direct
Alias Name: Senvoy, LLC
Alias Name: ZoAn Management, Inc.

Narrative:

NARR ID: 5754173
NARR Code: Site Contacts
Created By: SFORTUN
Created Date: 08/28/2012
Updated By: SFORTUN
Updated Date: 08/28/2012
Decode for NarcdID: Site Contacts
NARR Comments: Gerald E. Brazie, ManagerTKM Investment Properties, LLCP.O. Box 14607Portland, Oregon 97293503-239-7666David E. Grein, Registered AgentTKM Investment Properties, LLC1030 SW Morrison StreetPortland, OR 97205

NARR ID: 5754047
NARR Code: Contamination
Created By: SFORTUN
Created Date: 06/07/2012
Updated By: SFORTUN
Updated Date: 11/13/2012
Decode for NarcdID: Contamination
NARR Comments: No known site contamination. The site was added to the ECSI database based on past operations and the discovery of PCB and PAH contamination in Willamette River sediments near a municipal stormsewer outfall that drains the site location. There was no visual evidence that stormwater catchbasin sediments contain PCB contamination.Subsurface soils near the site's former heating oil LUST may still contain residual petroleum and PAH contamination, although concentrations are believed to be below Risk Based standards (see LUST File #26-02-1215).

NARR ID: 5754086
NARR Code: Data Sources
Created By: SFORTUN
Created Date: 07/12/2012
Updated By: SFORTUN
Updated Date: 08/28/2012
Decode for NarcdID: Data Sources
NARR Comments: Phase I Environmental Site Assessment, 111 and 115 SE Yambill Street, Portland, Oregon, PSS Project Number OR060531-1, prepared for Borrego Springs Bank, by Point Source Solutions, LLC, June 15, 2006.Field and Data Report, Downtown Portland Sediment Characterization, Willamette

CONSOLIDATED ELEC. DISTRIBUTORS WAREHOUSE (FORMER) (Continued) **S112058059**

River, Oregon, prepared for the Oregon Department of Environmental Quality, by GSI Water Solutions, Inc., January 2009.

NARR ID: 5754174
NARR Code: General Site Description
Created By: SFORTUN
Created Date: 08/28/2012
Updated By: SFORTUN
Updated Date: 08/28/2012
Decode for NarcdID: General Site Description
NARR Comments: A 0.79 acre tax lot (Tax Lot 5500 of Township 1 South / Range 1 East Section 03AA) in SE Portland that occupies most of the city block bounded on the west by the Union Pacific Railroad (UPRR) Mainline Right-of-Way and vacated SE 1st Avenue, on the east by SE 2nd Avenue, on the north by SE Belmont Street, and on the south by SE Yamhill Street. The site is occupied by a trapezoidal, 22,500 square foot, commercial warehouse structure located on the northern 2/3 of the tax lot, with an attached, square, 3,200 square foot, two-story office structure on the southeast corner of the lot. A blacktop-paved parking area, with access to two of the warehouses overhead loading dock doors, occupies the remaining, southwestern + of the site. Additional overhead loading dock doors are located along the warehouses eastern, northern, and western exterior walls. An approximate 8-foot wide, 60-foot long landscaping strip lies along the western edge of the parking lot. Jersey barriers and chain-link fencing separate the landscaped strip from vacated SE 1st Avenue and the UPRR Right-of-Way.

NARR ID: 5754175
NARR Code: Hazardous Substance/Waste Types
Created By: SFORTUN
Created Date: 08/28/2012
Updated By: SFORTUN
Updated Date: 08/28/2012
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Potential Contaminants of Concern: PCBs and PAHs.

NARR ID: 5754176
NARR Code: Project Issues Summary
Created By: SFORTUN
Created Date: 08/28/2012
Updated By: SFORTUN
Updated Date: 11/13/2012
Decode for NarcdID: Project Issues Summary
NARR Comments: A June 2006 site reconnaisance by Point Source Solutions LLC (Phase I Environmental Site Assessment) found no obvious evidence of hazardous substance releases at the site or on the adjoining UPRR Right-of-Way. A heating oil was released was discovered at a LUST along the site's southern property line (LUST #26-06-1215) in 2006. The tank appears to have been decommissioned in place with no indication of a soil cleanup. DEQ closed the LUST site in September 2006. The LUST file should be examined to to verify that soils at the tank site were analyzed for PAH contamination.

NARR ID: 5754177
NARR Code: Land Use (Current/Reasonably Likely)
Created By: SFORTUN

CONSOLIDATED ELEC. DISTRIBUTORS WAREHOUSE (FORMER) (Continued) **S112058059**

Created Date: 08/28/2012
Updated By: SFORTUN
Updated Date: 08/28/2012
Decode for NarcdID: Land Use (Current/Reasonably Likely)
NARR Comments: The site is currently used for commercial purposes, and is located in an area of commercial and light industrial use. Land use is unlikely to change in the near future.

NARR ID: 5754178
NARR Code: Site Location
Created By: SFORTUN
Created Date: 08/28/2012
Updated By: SFORTUN
Updated Date: 08/28/2012
Decode for NarcdID: Site Location
NARR Comments: The site is located in SE Portland, along the north side of SE Yamhill Street, and along the south edge of an elevated exit ramp from Interstate Highway 5 and an elevated ramp (SE Belmont Street) to the Morrison Bridge. The Willamette River lies 775 feet to the west; SE M.L. King, Jr. Blvd. lies 775 feet to the east.

NARR ID: 5754179
NARR Code: Manner of Release
Created By: SFORTUN
Created Date: 08/28/2012
Updated By: SFORTUN
Updated Date: 11/13/2012
Decode for NarcdID: Manner of Release
NARR Comments: Accumulated sediments within the site's stormwater catchbasins have not been analyzed to determine if PCBs may have been released to local stormsewer mains, although a June 2006 Level I Assessment of the facility found no visual evidence of releases.An historic heating oil tank along the site's southern property line leaked heating oil to subsurface soils. The site's LUST file should be examined if there is any question about the concentrations of residual PAHs in subsurface soils.

NARR ID: 5754180
NARR Code: Media Contamination
Created By: SFORTUN
Created Date: 08/28/2012
Updated By: SFORTUN
Updated Date: 08/28/2012
Decode for NarcdID: Media Contamination
NARR Comments: Potential contamination of stormsewer catchbasin sediments with PCBs.Potential PAH contamination in subsurface soils at the site's former LUST site.

NARR ID: 5754088
NARR Code: Site Ownership
Created By: SFORTUN
Created Date: 07/12/2012
Updated By: SFORTUN
Updated Date: 08/28/2012
Decode for NarcdID: Site Ownership
NARR Comments: Current site owner (since July 21, 2006) is TKM Investment Properties, LLC.Gerald E. Brazie, ManagerTKM Investment Properties,

CONSOLIDATED ELEC. DISTRIBUTORS WAREHOUSE (FORMER) (Continued) **S112058059**

LLCP.O. Box 14607Portland, Oregon 97293503-239-7666Prior site owners include Belmont Partners, LLC, and Morrison Street, LLC.

NARR ID: 5754181
NARR Code: Project Activity Status
Created By: SFORTUN
Created Date: 08/28/2012
Updated By: SFORTUN
Updated Date: 11/13/2012
Decode for NarcdID: Project Activity Status
NARR Comments: A state screening was completed for the site in August 2012. DEQ issued a No Further Action decision for the site in November 2012.

NARR ID: 5754183
NARR Code: Pathways Other Hazards
Created By: SFORTUN
Created Date: 08/28/2012
Updated By: SFORTUN
Updated Date: 08/28/2012
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Site stormwater drains to the Willamette River both upstram and downstream from the Morrison Bridge, at City Outfalls #35 and #36, Oregon Highway Division outfall WR#316, and possibly Oregon Highway Division outfall WR#315. Contaminants reaching the river via stormsewers could represent an ecological risk for the river's aquatic life, and a potential human health risk for individuals consuming fish caught from the river.Subsurface soils at a former LUST along the site's southern property line may be contaminated with petroleum and PAHs. If present, elevated PAH concentrations could represent a potential direct dermal contact risk for future utility trench workers or construction workers.

NARR ID: 5754089
NARR Code: Remedial Action
Created By: SFORTUN
Created Date: 07/12/2012
Updated By: SFORTUN
Updated Date: 11/13/2012
Decode for NarcdID: Remedial Action
NARR Comments: Point Source Solutions, LLC conducted a visual reconnaisance inspection of the site in June 2006 as part of its Phase I Environmental Site Assessment for Borrego Springs Bank. Point Source Solutions observed no Recognized Environmental Conditions (RECs) during its site inspection.A leaking heating oil UST was investigated along the site's southern property line in 2006 (LUST #26-06-1215). The tank was evidently decommissioned in place, apparently without the need for a soil cleanup. DEQ closed the LUST file in September 2006.

NARR ID: 5754185
NARR Code: Water Use (Current/Reasonably Likely)
Created By: SFORTUN
Created Date: 08/28/2012
Updated By: SFORTUN
Updated Date: 08/28/2012
Decode for NarcdID: Water Use (Current/Reasonably Likely)
NARR Comments: There are records of nine production wells within about 1/2 mile of

CONSOLIDATED ELEC. DISTRIBUTORS WAREHOUSE (FORMER) (Continued) **S112058059**

the site, although only two appear to be located cross-gradient, or downgradient, from the site. The nearest well appears to be located directly across SW Belmont Street from the site. Current use of that well is unknown, and it is unclear if the well even still exists. Current use of the eight remaining wells is also unknown.The nearest known drinking water supply well is located about 0.65-mile upgradient, and is unlikely to be affected by any potential on-site contamination.Local groundwater probably drains to the Willamette River and supplementallly supports aquatic life within the river.

NARR ID: 5754087
NARR Code: Site History
Created By: SFORTUN
Created Date: 07/12/2012
Updated By: SFORTUN
Updated Date: 11/13/2012
Decode for NarcdID: Site History
NARR Comments: 1889: undeveloped land1901: depot for farm engines, threshers, and saw mill equipment; the facility had a forge (southern half of property undeveloped)1909: Two warehouses storing machinery and agricultural implements (occupied entire property).1924-1950: northern warehouse stored machinery (Feenaughty Machine Co., agricultural implements)(Gardner-Denver Co., road machinery); southern warehouse occupied by a fruit products company (Starr Fruit Products).1950's: occupied by a transportation line (DeLapp), bulb company (Mt. Angel Bulb Co.), and machinery and engine manufacturing operations (Pioneer Engine Works; Four Wheel Drive Auto Co.; Roberts Bros.).In 1959-61, site buildings were demolished for construction of a nearby, elevated Morrison Bridge ramp / I-5 off-ramp.1962: new commercial building constructed on the site.Early occupants of the existing commercial building included an electrical supplies distributor (Consolidated Electrical Distributors; 1970-74 through 2006; currently located at 2555 NW Nicolai Street, Portland), a commercial and industrial heating and air conditioning equipment distributor (Nor-Air, Inc.; 1965-70 through 1975-80; currently located across SE 2nd Avenue from the subject site), and wholesale rug and carpet companys (Walter DN&E Co. and Cascade Sales Co.; 1962 through 1965-70).1990: a two-story affice building was added to the southeast corner of the property. A 2000-gallon underground heating oil tank was added to the site in 1945, although there are no records to indiacte whether, or not, the tank was ever removed. Site facilities are currently heated with natural gas. Through at least 1924, site facilities were steam-heated.2006 - A Phase I Environmental Site Assessment was completed for the site by Point Source Solutions, LLC, prior to sale to TKMInvestment Properties, LLC.2006 - A leak was discovered at the site's 2000-gallon heationg oil UST (LUST #26-02-1215). Up to 10,000 ppm diesel fuel and 15,000 ppm heating oil were detected in subsurface soils. The tank was evidently decommissioned in place without a soil cleanup since petroleum concentrations were below Risk Base standards.

NARR ID: 5754046
NARR Code: 1922
Created By: SFORTUN
Created Date: 06/07/2012
Updated By: GWISTAR
Updated Date: 07/18/2013

CONSOLIDATED ELEC. DISTRIBUTORS WAREHOUSE (FORMER) (Continued) **S112058059**

Decode for NarcdID: Current Site Summary Statement
NARR Comments: [Nov. 2012] This property was added to the ECSI database as a potential source of PCB contamination found in Willamette R. sediments near a municipal outfall that drains the site area.

No obvious indications of hazardous substance releases were observed during a June 2006 site reconnaisance, although accumulated sediments within site storm drains were not sampled or analyzed.

A leaking underground heating oil tank (LUST #26-06-1215) was apparently decommissioned in place at the site in 2006. Soils near the tank were contaminated with diesel fuel and heating oil, but below Risk Based Concentrations. DEQ closed the LUST file in September 2006 and made a no-further-action decision for the site in Nov. 2012.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 06/07/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/07/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Northwestern Region
Complete Date: 06/07/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/13/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: 0
Comments: Not reported

Action ID: 9425
Region: Northwestern Region
Complete Date: 08/28/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/13/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: 0
Comments: Not reported

Action ID: 9449

CONSOLIDATED ELEC. DISTRIBUTORS WAREHOUSE (FORMER) (Continued) **S112058059**

Region: Northwestern Region
Complete Date: 08/28/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/28/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Insufficient information to list
Further Action: 0
Comments: Facility's LUST file (26-06-1215) should be reviewed to determine if further analyses for PAHs are needed, and if the site qualifies for addition to the CRL.

Action ID: 9443
Region: Northwestern Region
Complete Date: 11/13/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/13/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

Operations:

Operation Id: 135909
Operation Status: Active
Common Name: Senvoy, LLC
Yrs of Operation: 2006 - present
Comments: Courier service
Updated Date: 07/12/2012
Updated By: SFORTUN
Decode for OpstatID: Active

Operation Id: 135910
Operation Status: Active
Common Name: ZoAn Management, Inc.
Yrs of Operation: 2006 - present
Comments: Office administrator
Updated Date: 07/12/2012
Updated By: SFORTUN
Decode for OpstatID: Active

Operation Id: 135911
Operation Status: Active
Common Name: Office Furniture Direct
Yrs of Operation: 2006 - present
Comments: Furniture sales.
Updated Date: 07/12/2012
Updated By: SFORTUN
Decode for OpstatID: Active

Operation Id: 135912

CONSOLIDATED ELEC. DISTRIBUTORS WAREHOUSE (FORMER) (Continued) **S112058059**

Operation Status:	Active
Common Name:	Driver Resources, LLC
Yrs of Operation:	2006 - present
Comments:	Contreacted drivers
Updated Date:	07/12/2012
Updated By:	SFORTUN
Decode for OpstatID:	Active

Operation Id:	135915
Operation Status:	Inactive
Common Name:	Consolidate Electrical Distributors
Yrs of Operation:	From about 1970-74 to about 2005-06
Comments:	Distributor of electrical devices and equipment. May have handled PCB-containing equipment.
Updated Date:	08/28/2012
Updated By:	SFORTUN
Decode for OpstatID:	Inactive

CH439 **HEATING OIL TANK** **OR LUST** **S108060445**
WNW **115 SE YAMHILL ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.402 mi.
2124 ft. **Site 3 of 3 in cluster CH**

Relative:
Lower

Actual:
40 ft.

LUST:

Region:	North Western Region
Facility ID:	26-06-1215
Cleanup Received Date:	07/05/2006
Cleanup Start Date:	06/30/2006
Cleanup Complete Date:	**09/13/2006**
Decode for Region:	**North West Region**

CT440 **PIERRE'S FRENCH BAKERY** **OR LUST** **U004015154**
North **1011 SE OAK ST** **OR UST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.403 mi.
2127 ft. **Site 2 of 2 in cluster CT**

Relative:
Higher

Actual:
81 ft.

LUST:

Region:	North Western Region
Facility ID:	26-90-0453
Cleanup Received Date:	11/08/1990
Cleanup Start Date:	11/03/1990
Cleanup Complete Date:	**06/24/1996**
Decode for Region:	**North West Region**

UST:

Facility ID:	7661
Facility Telephone:	(503)233-8871
Permittee Name:	DEAN CHIOTTI, P M
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	3
Number of Tanks:	3

CI441 **REFRIGERATION SUPPLIES** **OR LUST** **U003115465**
North **740 SE OAK STREET** **OR UST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.405 mi.
2140 ft. **Site 2 of 2 in cluster CI**

Relative:
Higher

Actual:
65 ft.

LUST:

Region:	North Western Region
Facility ID:	26-95-0350
Cleanup Received Date:	12/28/1995
Cleanup Start Date:	12/27/1995
Cleanup Complete Date:	**04/10/1996**
Decode for Region:	**North West Region**

UST:

Facility ID:	11534
Facility Telephone:	(503)234-4334
Permittee Name:	TIM O'MERA
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	Not reported
Number of Tanks:	1

CJ442 **EXLEY TRUCKING** **OR LUST** **S102778408**
South **2204 SE EIGHTH** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.406 mi.
2146 ft. **Site 2 of 2 in cluster CJ**

Relative:
Higher

Actual:
68 ft.

LUST:

Region:	North Western Region
Facility ID:	26-88-0089
Cleanup Received Date:	11/08/1988
Cleanup Start Date:	11/11/1988
Cleanup Complete Date:	**01/09/1989**
Decode for Region:	**North West Region**

CS443 **HEATING OIL TANK** **OR LUST** **S107845018**
South **2220 SE SPRUCE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.408 mi.
2153 ft. **Site 2 of 2 in cluster CS**

Relative:
Higher

Actual:
66 ft.

LUST:

Region:	North Western Region
Facility ID:	26-06-0499
Cleanup Received Date:	03/24/2006
Cleanup Start Date:	03/27/2006
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

CU444
SE
1/4-1/2
0.409 mi.
2160 ft.

HEATING OIL TANK
1969 SE LADD CIRCLE
PORTLAND, OR 97214

Site 1 of 4 in cluster CU

OR LUST **S104304439**
N/A

Relative:
Higher

Actual:
57 ft.

LUST:

Region:	North Western Region
Facility ID:	26-00-0248
Cleanup Received Date:	02/29/2000
Cleanup Start Date:	02/29/2000
Cleanup Complete Date:	**05/24/2000**
Decode for Region:	**North West Region**

CV445
NE
1/4-1/2
0.409 mi.
2162 ft.

HEATING OIL TANK
1705 SE MORRISON
PORTLAND, OR 97214

Site 1 of 3 in cluster CV

OR LUST **S103839205**
N/A

Relative:
Higher

Actual:
115 ft.

LUST:

Region:	North Western Region
Facility ID:	26-99-0382
Cleanup Received Date:	04/19/1999
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

CW446
NNE
1/4-1/2
0.412 mi.
2178 ft.

HEATING OIL TANK
400 SE 12TH AVE
PORTLAND, OR 97214

Site 1 of 2 in cluster CW

OR LUST **S108834317**
N/A

Relative:
Higher

Actual:
92 ft.

LUST:

Region:	North Western Region
Facility ID:	26-07-1307
Cleanup Received Date:	08/31/2007
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**01/29/2008**
Decode for Region:	**North West Region**

CX447
SSE
1/4-1/2
0.413 mi.
2182 ft.

HEATING OIL TANK
1302 SE BIRCH ST
PORTLAND, OR 97214

Site 1 of 2 in cluster CX

OR LUST **S111834784**
N/A

Relative:
Higher

Actual:
52 ft.

LUST:

Region:	North Western Region
Facility ID:	26-12-0246
Cleanup Received Date:	03/13/2012
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**11/26/2012**
Decode for Region:	**North West Region**

CL448
NNE
1/4-1/2
0.413 mi.
2183 ft.

HEATING OIL TANK
1421 SE STARK ST
PORTLAND, OR 97214

Site 2 of 2 in cluster CL

OR LUST **S117565657**
N/A

Relative:
Higher

Actual:
99 ft.

LUST:

Region:	North Western Region
Facility ID:	26-14-1518
Cleanup Received Date:	11/05/2014
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**02/09/2015**
Decode for Region:	**North West Region**

CK449
NNW
1/4-1/2
0.414 mi.
2187 ft.

HEATING OIL TANK
425 SE 6TH
PORTLAND, OR 97214

Site 4 of 4 in cluster CK

OR LUST **S102778411**
N/A

Relative:
Higher

Actual:
51 ft.

LUST:

Region:	North Western Region
Facility ID:	26-97-0312
Cleanup Received Date:	04/24/1997
Cleanup Start Date:	04/09/1997
Cleanup Complete Date:	**09/22/1997**
Decode for Region:	**North West Region**

CV450
NE
1/4-1/2
0.414 mi.
2188 ft.

HEATING OIL TANK
713-717 SE 17TH AVENUE
PORTLAND, OR 97214

Site 2 of 3 in cluster CV

OR LUST **S106777510**
N/A

Relative:
Higher

Actual:
115 ft.

LUST:

Region:	North Western Region
Facility ID:	26-04-2225
Cleanup Received Date:	11/03/2004
Cleanup Start Date:	11/04/2004
Cleanup Complete Date:	**03/15/2005**
Decode for Region:	**North West Region**

451
SE
1/4-1/2
0.417 mi.
2201 ft.

HEATING OIL TANK
1928 SE ELLIOTT AVE
PORTLAND, OR 97214

OR LUST **S113907106**
N/A

Relative:
Higher

Actual:
61 ft.

LUST:

Region:	North Western Region
Facility ID:	26-13-0654
Cleanup Received Date:	05/28/2013
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

CR452 **HEATING OIL TANK** **OR LUST** **S115330510**
West **80 SE MADISON ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.418 mi.
2208 ft. **Site 2 of 2 in cluster CR**

Relative:
Lower

Actual:
40 ft.

LUST:

Region:	North Western Region
Facility ID:	26-13-1314
Cleanup Received Date:	10/01/2013
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**11/06/2013**
Decode for Region:	**North West Region**

CW453 **HEATING OIL TANK** **OR LUST** **S109010412**
NNE **1131 SE OAK ST** **OR UIC** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.419 mi.
2212 ft. **Site 2 of 2 in cluster CW**

Relative:
Higher

Actual:
93 ft.

LUST:

Region:	North Western Region
Facility ID:	26-12-1223
Cleanup Received Date:	10/05/2012
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

OR UIC:

UIC Well #:	1
Type:	5D2
Type Description:	Storm Water Drainage
Status:	Active
UIC Number:	13349
Facility Status:	Registered & RA
Lat/Long:	45.5205 / -122.6541

CM454 **HEATING OIL TANK** **OR LUST** **S108834526**
SSE **2212 SE 12TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.419 mi.
2214 ft. **Site 2 of 2 in cluster CM**

Relative:
Higher

Actual:
52 ft.

LUST:

Region:	North Western Region
Facility ID:	26-07-1086
Cleanup Received Date:	07/25/2007
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**12/31/2007**
Decode for Region:	**North West Region**

CQ455 **HEATING OIL TANK** **OR LUST** **S105247420**
NE **603 SE 16TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.422 mi.
2228 ft. **Site 3 of 3 in cluster CQ**

Relative:
Higher

Actual:
110 ft.

LUST:

Region:	North Western Region
Facility ID:	26-02-5252
Cleanup Received Date:	02/14/2002
Cleanup Start Date:	02/13/2002
Cleanup Complete Date:	**05/20/2002**
Decode for Region:	**North West Region**

CY456 **HEATING OIL TANK** **OR LUST** **S104304430**
ESE **1834 SE ELLIOTT AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.422 mi.
2229 ft. **Site 1 of 3 in cluster CY**

Relative:
Higher

Actual:
64 ft.

LUST:

Region:	North Western Region
Facility ID:	26-99-1312
Cleanup Received Date:	11/26/1999
Cleanup Start Date:	10/15/1999
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

---

457 **GRANT STREET PROPERTY** **OR ECSI** **S105807711**
SSW **624 SE GRANT/2227 SE 7TH** **OR VCP** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.423 mi.
2235 ft.

Relative:
Higher

Actual:
70 ft.

ECSI:

State ID Number:	3828
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	831
Investigation:	No Further Action
FACA ID:	37730
Further Action:	0
Lat/Long (dms):	45 30 24.80 / -122 39 32.40
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	2
Qtr Section:	CC
Tax Lots:	5200
Size:	Not reported
NPL:	False
Orphan:	False
Updated By:	GWISTAR

GRANT STREET PROPERTY (Continued) **S105807711**

Update Date: 10/24/2006
Created Date: 03/21/2003
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action
Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420
Alias Name: Laurel Rose

Narrative:
NARR ID: 5744164
NARR Code: Contamination
Created By: MPUGH
Created Date: 09/15/2003
Updated By: GWISTAR
Updated Date: 01/29/2004
Decode for NarcdID: Contamination
NARR Comments: (9/15/03 MTP) Earth Tech Inc. (Earth Tech) conducted a Phase I Environmental Investigation and documented the results in a draft report dated August 17, 2001. During the investigation Earth Tech advanced 3 soil borings. Chemical analysis detected total residual range organics (RRO; similar to total petroleum hydrocarbon (TPH) as heavy oil) at a concentration of 2,900 milligrams per kilogram (mg/kg) from a sample collected from 1 to 2 feet below ground surface (bgs) in boring B-2, advanced near an oil storage area. Residual diesel-range organics (DRO; similar to TPH as diesel) was detected at a concentration of 220 mg/kg in this sample. The sample from 5 feet bgs at this location contained RRO at 1,000 mg/kg, but did not contain detectable DRO. DRO and RRO were not detected in the other two borings. Earth Tech concluded that the TPH contamination represented approximately 10 to 15 cubic yards of soil, and was the only environmental concern at the site.Northwest Envirosearch conducted a Phase I investigation in 2002. They observed excess petroleum oils in the outside storm water catch basin, which is connected to the City of Portland sanitary sewer. Northwest Envirosearch recommended the catch basin be cleaned, but it is not clear if this occurred. DEQ did not observe petroleum in the catch basin during a site visit on April 22, 2003. Northwest Envirosearch concluded that the petroleum in the catch basin was the only environmental concern at the site. As indicated in a later report, Northwest Envirosearch was unaware that a previous Phase I investigation had been conducted, and that elevated TPH concentrations had been detected in soil.Phase II Investigation (ECS, 2003)ECS conducted A Phase II investigation in October 2002 to evaluate the extent of contamination detected in the earlier investigation. A total of six borings were advanced to total depths ranging from 8 to 12 feet bgs (ECS B-1 through ECS B-6). In borings ECS B-3 and ECS B-4, a horizon of soil from approximately 3- to 4.5 feet bgs brick fragments and charred wood was observed that appeared to be residue from a fire. The borings did not encounter groundwater at the maximum depth of 12 feet bgs. ECS submitted one sample from each boring for hydrocarbon identification analyses (HCID). Based on the HCID results, the sample collected from 4 feet bgs from ECS-B3 was further analyzed for extended range diesel (TPH-Dx). The analysis indicated TPH as heavy oil at a concentration of 180 mg/kg, and TPH as diesel (TPH-D) at a concentration of 60 mg/kg. TPH was not detected in sample ECS B-1, collected with about 1 foot of Earth

GRANT STREET PROPERTY (Continued) **S105807711**

Techs boring B-2, where an elevated petroleum hydrocarbon concentration had been detected.Both samples from ECS-B-1 (2 and 4 feet) were analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX), in addition to polynuclear aromatic hydrocarbons (PAHs). BTEX were not detected, but a number of PAHs were detected. With the exception of benzo(a)pyrene (0.0713 mg/kg) in ECS B-4, all PAH concentrations were below DEQs risk-based concentration (RBC) for direct contact with soil under a residential-use scenario. All concentrations were below the RBC for direct contact under an occupational-use scenario.Based on DEQs comments to the ICP Report, which contained results from the previous Phase I and Limited Phase II investigations, ECS conducted additional site characterization sampling in May 2003 to better define the extent of contamination. A total of seven borings were advanced to a total depth of 8 feet bgs (ECS B-7 through ECS B-13). Groundwater was not encountered in any of the borings. Borings ECS B-9 and ECS B-13 exhibited evidence of a fire (i.e., charred debris and black staining) at a depth of 3.5 feet, similar to previous observations ECS B-3 and ECS B-4. One sample from each boring was submitted for HCID analyses. Petroleum hydrocarbons were detected in the stained interval (3 feet bgs) in ECS B-9, and follow up TPH-Dx analysis indicated the sample contained 245 mg/kg TPH as heavy oil. TPH was not detected in a sample collected from 4 feet bgs from ECS B-9, immediately below the stained interval. The 3-foot sample was further analyzed for BTEX, in addition to PAHs. BTEX were not detected; a number of PAHs were detected. All PAH concentrations were below their respective RBCs for direct contact with soil under an occupational-use scenario.To evaluate the presence of waste oil constituents, the sample from ECS B-9 also was analyzed for cadmium, chromium and lead, and polychlorinated biphenyls (PCBs). These additional analyses are consistent with DEQ guidance for evaluation of waste oilcontamination. PCBs were not found above method detection limit of 67 micrograms per kilogram (ug/kg). Reported cadmium (1.5 mg/kg) and chromium (28.6 mg/kg) concentrations appear to be within the range of naturally occurring concentrations, and are well below their respective U. S. Environmental Protection Agency Region 9 Preliminary Remediation Goals (PRGs) for industrial use soil. The lead concentration of 3,390 mg/kg in ECS B-9 is over three times its RBC of 1,000 mg/kg for industrial use soil. A Toxicity Characteristic Leaching Procedure (TCLP) analysis also was conducted, with a lead result of 0.41 milligrams perliter (mg/L). Cadmium and chromium were not detected in the TCLP leachate.At DEQs request, ECS requested further lead analysis on soil samples that had been retained by the analytical laboratory. Additional lead analysis was conducted on four samples. Three of the samples collected from borings in the vicinity of ECS B-9 (i.e., ECS B-10, ECS B-11, ECS B-12) were within the range of expected naturally occurring lead concentrations (~17 mg/kg), and appear to define the extent of lead impacted soil in this area. The lead concentration reported for ECS B-7 was 66.8 mg/kg, and although elevated with expect to the expected background level of 17 mg/kg, is well below the RBC for direct contact with industrial soil (1,000 mg/kg).

NARR ID: 5744217
NARR Code: Data Sources
Created By: GWISTAR
Created Date: 09/19/2003

GRANT STREET PROPERTY (Continued) **S105807711**

Updated By: GWISTAR
Updated Date: 09/19/2003
Decode for NarcdID: Data Sources
NARR Comments: Phase I Investigation (Northwest Envirosearch, 2002); Supplemental Phase II Investigation (ECS, 2003).

NARR ID: 5743214
NARR Code: Remedial Action
Created By: JWAGGY
Created Date: 03/21/2003
Updated By: GWISTAR
Updated Date: 09/19/2003
Decode for NarcdID: Remedial Action
NARR Comments: (3/20/03 MTP/ICP) Site entered Independent Cleanup Pathway program.(9/15/03 MTP/ICP) Earth Tech Inc. (Earth Tech) conducted a Phase I Environmental Investigation and documented the results in a draft report dated August 17, 2001. Northwest Envirosearch conducted a Phase I investigation in 2002. Envirocomp Services conducted a Phase II investigation in October 2002. Based on DEQs comments on the ICP Report, which contained results from the previous Phase I and Limited Phase II investigations, ECS conducted additional site characterization sampling in May 2003 to better define the extent of contamination. At DEQs request, ECS requested further lead analysis on soil samples that had been retained by the analytical laboratory.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 03/21/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/21/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9435
Region: Northwestern Region
Complete Date: 09/15/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/21/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Independent Cleanup Program
Further Action: 0
Comments: Not reported

Action ID: 9511
Region: 0
Complete Date: 08/15/2003
Rank Value: Not reported

GRANT STREET PROPERTY (Continued) **S105807711**

Cleanup Flag: False
Created Date: 09/15/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Remedial Action
Action Code Flag: False
Action: SITE INVESTIGATION
Further Action: 0
Comments: Not reported

Action ID: 9443
Region: Northwestern Region
Complete Date: 09/15/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/15/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

Operations:
Operation Id: 134711
Operation Status: Unknown
Common Name: Grant Street Property
Yrs of Operation: Unknown
Comments: Not reported
Updated Date: 03/21/2003
Updated By: JWAGGY
Decode for OpstatID: Unknown

VCS:
ECS Site ID: 3828
Facility Size: Not reported
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 09/15/2003
End Date: 09/15/2003
Facility Status: Completed
Program: ICP
Latitude: 45.50690
Longitude: -122.6590

CY458 **HEATING OIL TANK** **OR LUST** **S104974311**
ESE **1818 SE ELLIOTT** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.424 mi.
2237 ft. **Site 2 of 3 in cluster CY**

Relative:
Higher

Actual:
66 ft.

LUST:
Region: North Western Region
Facility ID: 26-01-5832
Cleanup Received Date: 05/08/2001
Cleanup Start Date: 05/08/2001
Cleanup Complete Date: 07/31/2001
Decode for Region: North West Region

CZ459 **HEATING OIL TANK** **OR LUST** **S104908006**
NE **612 SE 16TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.424 mi.
2239 ft. **Site 1 of 4 in cluster CZ**

Relative:
Higher

Actual:
112 ft.

LUST:

Region:	North Western Region
Facility ID:	26-01-5283
Cleanup Received Date:	02/19/2001
Cleanup Start Date:	02/19/2001
Cleanup Complete Date:	**06/11/2001**
Decode for Region:	**North West Region**

---

460 **OREGON RAIL HERITAGE FOUNDATION RESTORATION FAC** **OR SWF/LF** **S111684182**
SSW **SE DIVISION** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.424 mi.
2240 ft.

Relative:
Higher

Actual:
59 ft.

LF:

Permit Number:	1499
Facility Id:	112181
Facility Telephone:	503-692-1800
Facility Telephone 2:	Not reported
Lat/Long:	45.5077 / -122.661
Solid Waste Class:	SWLA
Solid Waste Type:	Land Disposal
Date Opened:	01/17/2012
End Date:	Not reported
Date Closed:	Not reported
Permit Status:	Terminated
Organization:	Tigard Sand and Gravel
Contact Name:	Dan Flowers
Affil Start Date:	01/17/2012
Mailing Address:	21455 SW 120th Ave
Mailing City:	Tualatin
Mailing Zip:	97062

DA461 **HEATING OIL TANK** **OR LUST** **S106475327**
ESE **1747 SE ELLIOTT AVENUE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.427 mi.
2252 ft. **Site 1 of 3 in cluster DA**

Relative:
Higher

Actual:
72 ft.

LUST:

Region:	North Western Region
Facility ID:	26-04-0279
Cleanup Received Date:	03/01/2004
Cleanup Start Date:	03/03/2004
Cleanup Complete Date:	**08/04/2004**
Decode for Region:	**North West Region**

CU462 **HEATING OIL TANK** **OR LUST** **S107845204**
SE **2006 SE ELLIOTT AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.427 mi.
2254 ft. **Site 2 of 4 in cluster CU**

Relative:
Higher

Actual:
56 ft.

LUST:

Region:	North Western Region
Facility ID:	26-06-0296
Cleanup Received Date:	02/18/2006
Cleanup Start Date:	02/22/2006
Cleanup Complete Date:	**06/06/2006**
Decode for Region:	**North West Region**

DB463 **BROAD SPECTRUM ELECTRONICS #2** **CERCLIS-NFRAP** **1003880279**
NNW **424 SE GRAND AV** **ORD980984744**
1/4-1/2 **PORTLAND, OR 97214**
0.428 mi.
2260 ft. **Site 1 of 2 in cluster DB**

Relative:
Higher

Actual:
47 ft.

CERCLIS-NFRAP:

Site ID:	1000519
Federal Facility:	Not a Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assessment History:

Action:	PRELIMINARY ASSESSMENT
Date Started:	09/15/87
Date Completed:	09/15/87
Priority Level:	Low priority for further assessment
Action:	ARCHIVE SITE
Date Started:	/ /
Date Completed:	03/16/88
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	03/16/88
Date Completed:	03/16/88
Priority Level:	NFRAP-Site does not qualify for the NPL based on existing information
Action:	DISCOVERY
Date Started:	/ /
Date Completed:	10/25/85
Priority Level:	Not reported

DC464 **BATASCH FAMILY TRUST** **OR LUST** **U000432658**
NNE **1324 SE OAK** **OR UST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.429 mi.
2265 ft. **Site 1 of 2 in cluster DC**

Relative:
Higher

Actual:
97 ft.

LUST:

Region:	North Western Region
Facility ID:	26-90-0117
Cleanup Received Date:	04/03/1990
Cleanup Start Date:	03/24/1990

BATASCH FAMILY TRUST (Continued) **U000432658**

Cleanup Complete Date: 11/17/2014
Decode for Region: North West Region

UST:
Facility ID: 10385
Facility Telephone: (503) 235-4145
Permittee Name: JOHN BASTASCH
Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 2
Number of Tanks: 2

DB465 **BROAD SPECTRUM ELECTRONICS #2** **OR ECSI** **1000145186**
NNW **422 SE GRAND AVE.** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.430 mi.
2271 ft. **Site 2 of 2 in cluster DB**

Relative:
Higher

Actual:
47 ft.

ECSI:
State ID Number: 1279
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: No Further Action
FACA ID: 6225
Further Action: 0
Lat/Long (dms): 45 31 10.60 / -122 39 37.10
County Code: 26.00
Score Value: Not reported
Cerclis ID: 980984744
Township Coord.: 1.00
Township Zone: N
Range Coord: 1.00
Range Zone: E
Section Coord: 35
Qtr Section: CCCD
Tax Lots: 3,4,5,6; Bl 121; E.PDX Addn.
Size: 0.25 acre
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 02/26/2009
Created Date: 01/23/1993
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action
Decode For Legislative: Not reported
Alias Name: Auric Enterprises
Alias Name: Northwest Cast Metal Products
Alias Name: Pacific Meat Co.
Alias Name: Universal Silver

Narrative:
NARR ID: 5732573
NARR Code: Site Contacts
Created By: Not reported

BROAD SPECTRUM ELECTRONICS #2 (Continued) **1000145186**

Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Site Contacts
NARR Comments: Becky Crew, Property Manager, REACH Community Development, Incorporated, 1135 SE Salmon Street, Portland 97214, (503) 231-0682.

NARR ID: 5732574
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Contamination
NARR Comments: This site was once leased by Peter O. Haney. It is alleged that Haney sold small electrical capacitors potentially containing PCBs from this shop, and may have stored articles containing PCBs in the basement of the building. DEQ could find no evidence of PCB releases at the site during its August 1987 site visit.

NARR ID: 5732575
NARR Code: General Site Description
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: General Site Description
NARR Comments: A 4-story brick building that occupies 1/4 of the block, located at the NE intersection of SE Stark St. and SE Grand Ave. The upper three floors of the building are used as apartments, but were historically used as hotel rooms. The ground floor has historically housed commercial retail establishments. The north/south alley behind the building has been boarded off.

NARR ID: 5732577
NARR Code: Site Location
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Site Location
NARR Comments: Site is located on the ground floor and in the basement of a 4-story brick building on the NE corner of SE Stark St. and SE Grand Ave. The former sales outlet is located at the NW corner of that building - near the center of the block (SE Grand, between SE Stark and SE Oak).

NARR ID: 5732578
NARR Code: Site Ownership
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Site Ownership
NARR Comments: REACH Community Development, Incorporated, 1135 SE Salmon Street, Portland 97214, (503) 231-0682.

NARR ID: 5732579

BROAD SPECTRUM ELECTRONICS #2 (Continued) **1000145186**

NARR Code: Substances of Concern
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Substances of Concern
NARR Comments: Potential for PCB contamination at site. None observed during August 1987 site inspection, though.

NARR ID: 5743543
NARR Code: Site History
Created By: GWISTAR
Created Date: 05/20/2003
Updated By: GWISTAR
Updated Date: 05/20/2003
Decode for NarcdID: Site History
NARR Comments: Historic activities at five other Portland sites that were operated by Peter O. Haney suggested that this site may have been contaminated with PCBs from improper transformer and capacitor handling. This site was a sales outlet for salvaged electronic and electrical equipment. An August 1987 site visit by DEQ indicated no evidence of on-site releases, however.

Administrative Action:
Action ID: 9421
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: Site added to CERCLIS
Further Action: Not reported
Comments: Not reported

Action ID: 9459
Region: Northwestern Region
Complete Date: 03/08/1996
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: Not reported
Comments: Not reported

Action ID: 9443
Region: Northwestern Region
Complete Date: 03/08/1996
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

BROAD SPECTRUM ELECTRONICS #2 (Continued) **1000145186**

Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: Not reported
Comments: Not reported

Action ID: 9424
Region: Headquarters
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9457
Region: Not reported
Complete Date: 09/15/1987
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: EPA Basic Preliminary Assessment
Further Action: Not reported
Comments: Not reported

Action ID: 9458
Region: Not reported
Complete Date: 03/16/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: EPA Preliminary Assessment 2
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Headquarters
Complete Date: 02/12/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality

BROAD SPECTRUM ELECTRONICS #2 (Continued) **1000145186**

Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: Not reported
Comments: Not reported

Action ID: 9444
Region: Not reported
Complete Date: 03/16/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: No Further Remedial Action Planned under Federal program
Further Action: Not reported
Comments: Not reported

Operations:

Operation Id: 132594
Operation Status: Unknown
Common Name: Broad Spectrum Electronics #2
Yrs of Operation: Not reported
Comments: Not reported
Updated Date: 03/10/1995
Updated By: jxh
Decode for OpstatID: Unknown

Operation Id: 132595
Operation Status: Unknown
Common Name: Broad Spectrum Electronics #2
Yrs of Operation: Not reported
Comments: Sales for salvaged electrical and electronic equipment.
Updated Date: 03/18/1996
Updated By: sxf
Decode for OpstatID: Unknown
Operations SIC Id: 196181
SIC Code: 5063
Created By: Not reported
Created Date: 12/17/2002

466
NW
1/4-1/2
0.430 mi.
2272 ft.

AMATO BROTHERS ENTERPRISES INC **OR LUST** **S110638894**
515 SE MARTIN LUTHER KING **N/A**
PORTLAND, OR 97214

Relative:
Lower

Actual:
40 ft.

LUST:
Region: North Western Region
Facility ID: 26-01-0006
Cleanup Received Date: 01/25/2001
Cleanup Start Date: 01/25/2001
Cleanup Complete Date: 05/11/2001
Decode for Region: North West Region

DA467
ESE
1/4-1/2
0.431 mi.
2278 ft.

HEATING OIL TANK
1711 SE ELLIOTT AVE
PORTLAND, OR 97214

Site 2 of 3 in cluster DA

OR LUST **S114397478**
N/A

Relative:
Higher

Actual:
76 ft.

LUST:

Region:	North Western Region
Facility ID:	26-13-0982
Cleanup Received Date:	07/26/2013
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**01/07/2014**
Decode for Region:	**North West Region**

CU468
SE
1/4-1/2
0.432 mi.
2279 ft.

HEATING OIL TANK
2040 SE ELLIOT AVE
PORTLAND, OR 97214

Site 3 of 4 in cluster CU

OR LUST **S102417481**
N/A

Relative:
Higher

Actual:
56 ft.

LUST:

Region:	North Western Region
Facility ID:	26-96-0523
Cleanup Received Date:	09/10/1996
Cleanup Start Date:	09/10/1996
Cleanup Complete Date:	**03/14/2001**
Decode for Region:	**North West Region**

DD469
WNW
1/4-1/2
0.433 mi.
2288 ft.

GRAND & BENEDICTS BLDG
111 SE BELMONT
PORTLAND, OR 97232

Site 1 of 3 in cluster DD

OR LUST **S106777221**
N/A

Relative:
Lower

Actual:
37 ft.

LUST:

Region:	North Western Region
Facility ID:	26-04-1768
Cleanup Received Date:	09/01/2004
Cleanup Start Date:	09/01/2004
Cleanup Complete Date:	**01/21/2005**
Decode for Region:	**North West Region**

CU470
SE
1/4-1/2
0.435 mi.
2295 ft.

HEATING OIL TANK
2058 SE ELLIOTT AVE
PORTLAND, OR 97214

Site 4 of 4 in cluster CU

OR LUST **S109204592**
N/A

Relative:
Higher

Actual:
56 ft.

LUST:

Region:	North Western Region
Facility ID:	26-08-0473
Cleanup Received Date:	04/29/2008
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**08/12/2008**
Decode for Region:	**North West Region**

CY471 **HEATING OIL TANK** **OR LUST** **S116760780**
ESE **1821 SE HAZEL ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.435 mi.
2295 ft. **Site 3 of 3 in cluster CY**

Relative:
Higher

Actual:
69 ft.

LUST:

Region:	North Western Region
Facility ID:	26-14-0834
Cleanup Received Date:	06/27/2014
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**02/24/2015**
Decode for Region:	**North West Region**

DE472 **HEATING OIL TANK** **OR LUST** **S117565652**
East **1932 SE MADISON ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.435 mi.
2295 ft. **Site 1 of 2 in cluster DE**

Relative:
Higher

Actual:
100 ft.

LUST:

Region:	North Western Region
Facility ID:	26-14-1512
Cleanup Received Date:	11/05/2014
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**04/14/2015**
Decode for Region:	**North West Region**

CV473 **HEATING OIL TANK** **OR LUST** **S103422437**
NE **1714 SE ALDER** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.436 mi.
2304 ft. **Site 3 of 3 in cluster CV**

Relative:
Higher

Actual:
116 ft.

LUST:

Region:	North Western Region
Facility ID:	26-98-0982
Cleanup Received Date:	11/13/1998
Cleanup Start Date:	10/26/1998
Cleanup Complete Date:	**03/17/1999**
Decode for Region:	**North West Region**

DA474 **HEATING OIL TANK** **OR LUST** **S113907048**
ESE **1726 SE ELLIOTT AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.436 mi.
2304 ft. **Site 3 of 3 in cluster DA**

Relative:
Higher

Actual:
74 ft.

LUST:

Region:	North Western Region
Facility ID:	26-13-0560
Cleanup Received Date:	05/07/2013
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**08/21/2013**
Decode for Region:	**North West Region**

CZ475 **HEATING OIL TANK** **OR LUST** **S106475504**
NE **1621 SE WASHINGTON ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.437 mi.
2306 ft. **Site 2 of 4 in cluster CZ**

Relative:
Higher

Actual:
113 ft.

LUST:

Region:	North Western Region
Facility ID:	26-04-0545
Cleanup Received Date:	04/05/2004
Cleanup Start Date:	04/07/2004
Cleanup Complete Date:	**08/09/2004**
Decode for Region:	**North West Region**

DF476 **HEATING OIL TANK** **OR LUST** **S104044980**
NNW **340 SE 6TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.437 mi.
2308 ft. **Site 1 of 2 in cluster DF**

Relative:
Higher

Actual:
58 ft.

LUST:

Region:	North Western Region
Facility ID:	26-03-2048
Cleanup Received Date:	09/24/2003
Cleanup Start Date:	09/24/2003
Cleanup Complete Date:	**11/21/2003**
Decode for Region:	**North West Region**

DG477 **NORTHWEST CAST METAL PRODUCTS** **CERCLIS-NFRAP** **1003880282**
WNW **79 SE TAYLOR ST** **ORD980985618**
1/4-1/2 **PORTLAND, OR 97214**
0.438 mi.
2311 ft. **Site 1 of 3 in cluster DG**

Relative:
Lower

Actual:
38 ft.

CERCLIS-NFRAP:

Site ID:	1000523
Federal Facility:	Not a Federal Facility
NPL Status:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Alias Name(s):

Alias Name:	BROAD SPECTRUM ELECTRONICS #1
Alias Address:	Not reported
	OR

CERCLIS-NFRAP Assessment History:

Action:	DISCOVERY
Date Started:	/ /
Date Completed:	11/03/85
Priority Level:	Not reported
Action:	ARCHIVE SITE
Date Started:	/ /
Date Completed:	03/28/88
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT

NORTHWEST CAST METAL PRODUCTS (Continued) **1003880282**

Date Started: 03/28/88
Date Completed: 03/28/88
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: PRELIMINARY ASSESSMENT
Date Started: 09/28/87
Date Completed: 09/28/87
Priority Level: Low priority for further assessment

DG478 **NW CAST METAL PRODUCTS - SE TAYLOR ST.** **OR ECSI** **S106236416**
WNW **79 SE TAYLOR ST.** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.438 mi.
2311 ft. **Site 2 of 3 in cluster DG**

Relative:
Lower

Actual:
38 ft.

ECSI:
State ID Number: 1135
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: Suspect
FACA ID: 6233
Further Action: 260
Lat/Long (dms): 45 30 54.70 / -122 39 54.00
County Code: 26.00
Score Value: Not reported
Cerclis ID: 980985618
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 3
Qtr Section: ADBA
Tax Lots: 1S1E03AD 1100
Size: 10,000 sq ft
NPL: False
Orphan: False
Updated By: SFORTUN
Update Date: 06/11/2008
Created Date: 10/15/1991
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Low
Decode For Investstat: Suspect
Decode For Legislative: Not reported
Alias Name: Auric Enterprises, Inc.
Alias Name: Broad Spectrum Electronics - SE Taylor ST
Alias Name: H & M Electronics
Alias Name: Pacific Meats, Inc.
Alias Name: Ross Electric

Hazardous Release:
Substance ID.: 121996
Haz Release ID: 380379
Qty Released: Unknown
Date Released: Before 1/24/90.
Update Date: 05/03/1996

NW CAST METAL PRODUCTS - SE TAYLOR ST. (Continued) **S106236416**

Update By: Not reported
Substance Code: ECD228
Substance Name: PETROLEUM HYDROCARBONS
Substance Abbrev.: Not reported
Substance Category ID: 8534
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8534
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Comment ID: 302773
Release Code: Data Sources
Release Comments: Level I Environmental Site Assessment by SRH Environmental Management, 2/6/90.
Decode for Relcomcd: Data Sources
Comment ID: 302774
Release Code: General Comments
Release Comments: Presence of heavy petroleum hydrocarbons in soils suggests possible PCBs also.
Decode for Relcomcd: General Comments
Comment ID: 302775
Release Code: Media Contamination Footnote
Release Comments: TPH contamination in soils in cavity in basement floor of building.
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 302776
Release Code: Release Containment
Release Comments: Anticipate only limited contaminant diffusion since contaminated soils are beneath the building and groundwater table is deep.
Decode for Relcomcd: Release Containment
Sampling Result ID: 342041
Feature Id: Not reported
Hazard Release Id: 380379
Medium: 703
Substance Abbrev.: Not reported
Unit Code: 110
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Surface
Start Date: 01/24/1990
End Date: 01/24/1990
Min Concentration: .00
Max Concentration: 126.00
Sample Comment: Not reported
Last Update By: sxf
Update Date: 03/05/1996
Decode for MediumID: Soil

Narrative:
NARR ID: 5731677
NARR Code: Site Contacts
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported

NW CAST METAL PRODUCTS - SE TAYLOR ST. (Continued) **S106236416**

Updated Date: 12/17/2002
Decode for NarcdID: Site Contacts
NARR Comments: Building Owner: Michael L. Kauth, M. L. Kauth, Incorporated, 1523 NE 6th Ave, Portland 97232, (503) 284-1207; residence 4650 SW Ormandy Way, Portland 97221.

NARR ID: 5731678
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Contamination
NARR Comments: The site is a four-story building. Broad Spectrum Electronics, a division of Northwest Cast Metal Products, operated out of a small laboratory on the southeast corner of the third floor. Peter O. Haney, the founder of NW Cast Metal, had a record of illegal waste disposal practices involving transformer salvaging and secondary metal smelting operations. In March 1983, DEQ received an anonymous complaint alleging that Broad Spectrum had dumped sodium cyanide and nitric and sulfuric acids down the sink. Broad Spectrum replied that any discharges were unintentional and minor, and their operation shut down a few months later. (Peter Haney died in a truck accident in 1985. For more information on his activities, see ECSI #'s 96, 145, 690, 999, and 1279.) It has been alleged/suspected that Northwest Cast Metal Products stored PCB-containing transformers and capacitors on other floors of this building. A cavity in the concrete floor of the building's basement (exposing subsurface soils) has shallow petroleum contamination, suggesting that PCBs may also have been released in the cavity.

NARR ID: 5731679
NARR Code: Data Sources
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Data Sources
NARR Comments: EPA Site Assessment, January 1989. Level 1 Site Assessment, SRH Environmental Management, February 1990. Site History Study, SAFE Research, January 1990. Recommendation to Landmark Commission, Portland Bureau of Planning, May 1989.

NARR ID: 5731680
NARR Code: General Site Description
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: General Site Description
NARR Comments: Site is a 4-story brick building, former Southern Pacific Railroad warehouse, registered historic site 1912 International Harvester Building. The building has been used as warehousing for a large number of companies and individuals over the years. The building has sanitary sewer service, a basement, elevator, and has historically been heated with oil (a heating oil UST was located on the south side of the building, beneath the sidewalk). The building is at the

NW CAST METAL PRODUCTS - SE TAYLOR ST. (Continued) **S106236416**

northwest corner of SE Taylor and SE 1st on Portland's Central Eastside. Active railroad tracks run along the building's east side (Southern Pacific R/R). The building occupies a 10,000 sq ft area of the block, the rest of the 30,000 sq ft area being occupied by buildings owned by Promotion Products, Incorporated (PPI), a promotional display marketer. There are no exposed soils on the block, which is surrounded by industrial operations.

NARR ID: 5731681
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: GWISTAR
Updated Date: 06/23/2003
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: (4/6/88 MER) Substances allegedly stored or disposed of on-site include: PCBs; organic solvents; lead, arsenic, mercury, zinc, and cyanide compounds; phenols; nitric/hydrochloric/sulfuric acids.

NARR ID: 5731682
NARR Code: Project Issues Summary
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Project Issues Summary
NARR Comments: A 1983 anonymous complaint alleged that Broad Spectrum Electronics had dumped acids and cyanide down a ***laboratory*** drain on the building's third floor. The drain was attached to the Portland sanitary sewer system. There have also been allegations/suspicions that Northwest Cast Metal Products may have stored PCB containing transformers and capacitors on other floors of the building, and may have disposed of PCBs on the site. There are no exposed soils on the block where the building is located, and the nearest storm sewer is located nearly 200 feet to the west of the building. A 2-foot by 3-foot cavity (18-inches deep) in the building's basement floor is the only possible discharge site within the building. Soils within the cavity had 126 ppm TPH on the surface, and no detectable TPH at 5 feet deep. The presence of TPH suggests that PCBs may also be present, although these soils were not analyzed for PCBs.

NARR ID: 5731683
NARR Code: Site Location
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Site Location
NARR Comments: The Broad Spectrum Electronics laboratory was located on the east half of the International Harvester Building's third floor. The building is located at the northwest corner of SE 1st and SE Taylor in Portland.

NARR ID: 5731684
NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002

NW CAST METAL PRODUCTS - SE TAYLOR ST. (Continued) **S106236416**

Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release
NARR Comments: Because of the company's operating history, any on-site releases are assumed to be intentional discharges (***dumping***).

NARR ID: 5731685
NARR Code: Site Ownership
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Site Ownership
NARR Comments: Current building owner is Michael L. Kauth (M.L. Kauth, Inc). George Karsnis was Registered Agent/President of Northwest Cast Metal Products, Inc., between 1/25/77 and 3/29/85. At that time, Peter O. Haney was listed as Secretary. On 1/25/77, Peter O. Haney was listed as Registered Agent/President of NW Cast Metal, with his wife Eileen A. Haney listed as Secret. Broad Spectrum Electronics operated at the site, the building owner was Howard Stenger. Other Peter O. Haney sites include ECSI #96. 145, 690, and 999.

NARR ID: 5731686
NARR Code: Pathways Other Hazards
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: The site is located in Portland's Central Eastside Industrial District, within 1000 feet of the Willamette River.

NARR ID: 5731687
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Remedial Action
NARR Comments: There is circumstantial evidence that hazardous substances may have been improperly disposed of at the site.

NARR ID: 5731688
NARR Code: Substances of Concern
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Substances of Concern
NARR Comments: Cyanide, acids, possible toxic metals, PCBs.

Administrative Action:
Action ID: 9421
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

NW CAST METAL PRODUCTS - SE TAYLOR ST. (Continued) **S106236416**

Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: Site added to CERCLIS
Further Action: Not reported
Comments: Not reported

Action ID: 9459
Region: Northwestern Region
Complete Date: 02/22/1996
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: Not reported
Comments: Not reported

Action ID: 9505
Region: Northwestern Region
Complete Date: 03/05/1996
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Confirmatory Sampling recommended
Further Action: Low
Comments: Recommend sampling soils in basement floor cavity for PCBs.

Action ID: 9424
Region: Headquarters
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9458
Region: Not reported
Complete Date: 03/28/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency

NW CAST METAL PRODUCTS - SE TAYLOR ST. (Continued) **S106236416**

Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: EPA Preliminary Assessment 2
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Headquarters
Complete Date: 02/12/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: Not reported
Comments: Not reported

Action ID: 9457
Region: Not reported
Complete Date: 09/28/1987
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: EPA Basic Preliminary Assessment
Further Action: Not reported
Comments: State lead

Action ID: 9444
Region: Not reported
Complete Date: 03/28/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: No Further Remedial Action Planned under Federal program
Further Action: Not reported
Comments: Not reported

Operations:
Operation Id: 132440
Operation Status: Inactive
Common Name: Broad Spectrum Electronics
Yrs of Operation: 5/82 to 7/83
Comments: Metal reclamation: gold from printed electrical circuit boards
Updated Date: 02/23/1996
Updated By: sxf
Decode for OpstatID: Inactive

NW CAST METAL PRODUCTS - SE TAYLOR ST. (Continued) **S106236416**

Operations SIC Id: 195616
SIC Code: 3449
Created By: Not reported
Created Date: 12/17/2002

DD479 **HEATING OIL TANK** **OR LUST** **S106777337**
WNW **130 SE MORRISON** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.440 mi.
2324 ft. **Site 2 of 3 in cluster DD**

Relative:
Lower

Actual:
35 ft.

LUST:
Region: North Western Region
Facility ID: 26-04-1934
Cleanup Received Date: 09/23/2004
Cleanup Start Date: 09/15/2004
Cleanup Complete Date: 11/01/2004
Decode for Region: North West Region

DH480 **ODOT-CENTRAL EASTSIDE PROPERTIES** **OR ECSI** **S117365761**
West **SE WATER AVE BETWEEN SE TAYLOR ST AND SE MADISON ST** **OR VCP** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.442 mi.
2336 ft. **Site 1 of 3 in cluster DH**

Relative:
Lower

Actual:
38 ft.

ECSI:
State ID Number: 5936
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: Suspect
FACA ID: 134425
Further Action: 0
Lat/Long (dms): 45 30 51.10 / -122 39 56.50
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 2
Qtr Section: Not reported
Tax Lots: 1701, 1702, 1703, 3600, 4302
Size: Not reported
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 12/30/2014
Created Date: 11/26/2014
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: Suspect
Decode For Legislative: Not reported

ODOT-CENTRAL EASTSIDE PROPERTIES (Continued) **S117365761**

Alias Name: ODOT Region 1 Parcel 2C
Alias Name: ODOT SE Water Ave.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 11/26/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/26/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9511
Region: Eastern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/26/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Eastern Region
Category: Remedial Action
Action Code Flag: False
Action: SITE INVESTIGATION
Further Action: 0
Comments: Not reported

VCS:
ECS Site ID: 5936
Facility Size: Not reported
Action: SITE INVESTIGATION
Start Date: 11/26/2014
End Date: Not reported
Facility Status: Active
Program: VCP
Latitude: 45.51420
Longitude: -122.6657

CX481 **HEATING OIL TANK** **OR LUST** **S112059133**
SSE **1349 SE BIRCH ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.443 mi.
2337 ft. **Site 2 of 2 in cluster CX**

Relative:
Higher

Actual:
53 ft.

LUST:
Region: North Western Region
Facility ID: 26-12-0337
Cleanup Received Date: 04/05/2012
Cleanup Start Date: Not reported
Cleanup Complete Date: 07/30/2012
Decode for Region: North West Region

482
SSE
1/4-1/2
0.443 mi.
2340 ft.

HEATING OIL TANK
2104 SE ELLIOTT AVE
PORTLAND, OR 97214

OR LUST **S112059313**
N/A

Relative:
Higher

Actual:
55 ft.

LUST:
Region: North Western Region
Facility ID: 26-12-0598
Cleanup Received Date: 06/04/2012
Cleanup Start Date: Not reported
Cleanup Complete Date: 11/26/2012
Decode for Region: North West Region

DI483
ESE
1/4-1/2
0.444 mi.
2343 ft.

HEATING OIL TANK
1637 SE ELLIOTT
PORTLAND, OR 97214

Site 1 of 6 in cluster DI

OR LUST **S110048133**
N/A

Relative:
Higher

Actual:
85 ft.

LUST:
Region: North Western Region
Facility ID: 26-09-0912
Cleanup Received Date: 09/17/2009
Cleanup Start Date: Not reported
Cleanup Complete Date: 03/16/2010
Decode for Region: North West Region

DJ484
SSE
1/4-1/2
0.444 mi.
2344 ft.

HEATING OIL TANK
2260 SE SPRUCE AVE
PORTLAND, OR 97214

Site 1 of 3 in cluster DJ

OR LUST **S104820116**
N/A

Relative:
Higher

Actual:
53 ft.

LUST:
Region: North Western Region
Facility ID: 26-00-6520
Cleanup Received Date: 12/14/2000
Cleanup Start Date: 12/07/2000
Cleanup Complete Date: 01/29/2001
Decode for Region: North West Region

DC485
NNE
1/4-1/2
0.445 mi.
2350 ft.

HEATING OIL TANK
1400 SE OAK
PORTLAND, OR 97214

Site 2 of 2 in cluster DC

OR LUST **S105463799**
N/A

Relative:
Higher

Actual:
101 ft.

LUST:
Region: North Western Region
Facility ID: 26-02-0087
Cleanup Received Date: 06/07/2002
Cleanup Start Date: 06/05/2002
Cleanup Complete Date: 10/16/2002
Decode for Region: North West Region

DH486 **PRATT & LARSON TILE** **OR ECSI** **S117277437**
West **1204-1216 SE WATER AVE.** **OR VCP** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.445 mi.
2352 ft. **Site 2 of 3 in cluster DH**

Relative:
Lower

Actual:
38 ft.

ECSI:

State ID Number:	5919
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	No Further Action
FACA ID:	132842
Further Action:	0
Lat/Long (dms):	45 30 50.80 / -122 39 55.40
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	3
Qtr Section:	AD
Tax Lots:	3500
Size:	0.46 acres
NPL:	False
Orphan:	False
Updated By:	MPUGH
Update Date:	02/19/2015
Created Date:	07/31/2014
Decode For RegionID:	Northwest Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	No Further Action
Decode For Legislative:	Not reported

Narrative:

NARR ID:	5755286
NARR Code:	Site Contacts
Created By:	MPUGH
Created Date:	09/11/2014
Updated By:	MPUGH
Updated Date:	02/19/2015
Decode for NarcdID:	Site Contacts
NARR Comments:	Michael Pratt owner

NARR ID:	5755287
NARR Code:	Contamination
Created By:	MPUGH
Created Date:	09/11/2014
Updated By:	MPUGH
Updated Date:	02/19/2015
Decode for NarcdID:	Contamination
NARR Comments:	Degraded diesel and gasoline range contamination Soil and shallow groundwater at the Site was impacted by petroleum hydrocarbons in the early 1900s. The fire in 1911 likely contributed to the petroleum releases. Kerosene and diesel are the primary petroleum contaminants in soil and groundwater beneath the Site. The petroleum is highly

PRATT & LARSON TILE (Continued) **S117277437**

degraded and contains virtually no benzene, toluene, ethylbenzene or xylenes, and very low concentrations of polycyclic aromatic hydrocarbons (PAHs). Water samples were collected from two sumps that contained sufficient water after prolonged precipitation, and analyzed for extractable petroleum hydrocarbons (EPH) using Method NW-EPH and volatile petroleum hydrocarbons (VPH) using Method NW-VPH to evaluate if volatilization of petroleum constituents from shallow groundwater to indoor air was a pathway of concern. EPH and VPH compounds were not detected.

NARR ID: 5755288
NARR Code: Data Sources
Created By: MPUGH
Created Date: 09/11/2014
Updated By: MPUGH
Updated Date: 02/19/2015
Decode for NarcdID: Data Sources
NARR Comments: Site Characterization Report1204 SE Water AvenueAMEC, July 9, 2014Sump water sampling letter report dated January 16, 2015, submitted to DEQ on your behalf by AMEC Environment and Infrastructure Not reported

NARR ID: 5755289
NARR Code: General Site Description
Created By: MPUGH
Created Date: 09/11/2014
Updated By: MPUGH
Updated Date: 02/19/2015
Decode for NarcdID: General Site Description
NARR Comments: The Pratt and Larsen Site property (the Site) is comprised of lots 1, 2, 7 and 8 of East Portland Addition Block 14 in Section 3 of Township 1 South, Range 1 East of the Willamette Meridian in Multnomah County, Oregon. The Site had former addresses of 220/224/226 East Water Street, 314 East Salmon Street, 211/225 East 1st Street, 88 S.E. Salmon Street, 1201/1215 S.E. 1st Avenue, and 1204/1216 S.E. Water Avenue. The 4 tax lots total approximately 0.5 acres and comprise the northern half of a City block. The property contains an approximately 20,000 square foot building that covers most of the property. The building has a partial second floor and full basement.

NARR ID: 5755290
NARR Code: Hazardous Substance/Waste Types
Created By: MPUGH
Created Date: 09/11/2014
Updated By: MPUGH
Updated Date: 09/11/2014
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Degraded petroleum with minimal constitients such as volatile organic compounds or polcyclic aromatic hydrocarbons.

NARR ID: 5755574
NARR Code: Land Use (Current/Reasonably Likely)
Created By: MPUGH
Created Date: 02/19/2015
Updated By: MPUGH
Updated Date: 02/19/2015

PRATT & LARSON TILE (Continued) **S117277437**

Decode for NarcdID: Land Use (Current/Reasonably Likely)
NARR Comments: The site zoning as General Industrial 1 precludes residential use. Because residential development would require a zoning change, future residential exposure is not a reasonably likely future land use.

NARR ID: 5755293
NARR Code: Manner of Release
Created By: MPUGH
Created Date: 09/11/2014
Updated By: MPUGH
Updated Date: 09/11/2014
Decode for NarcdID: Manner of Release
NARR Comments: Petroleum drips and spills from day to day operations apparently were directed to in-floor trenchs exposed to soil.

NARR ID: 5755576
NARR Code: Project Activity Status
Created By: MPUGH
Created Date: 02/19/2015
Updated By: MPUGH
Updated Date: 02/19/2015
Decode for NarcdID: Project Activity Status
NARR Comments: Based on the available information, the Site is currently protective of public health and the environment. The site requires no further action under the Oregon Environmental Cleanup Law, ORS 465.200 et seq. unless new or previously undisclosed information becomes available, or there are changes in site development or land and water uses, or more contamination is discovered. DEQ will update the Environmental Cleanup Site Information (ECSI) database to reflect this decision.

NARR ID: 5755294
NARR Code: Pathways Other Hazards
Created By: MPUGH
Created Date: 09/11/2014
Updated By: MPUGH
Updated Date: 02/19/2015
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Direct contact by construction workers with soil beneath the basement floor is the only pathway of concern at the site.

NARR ID: 5755575
NARR Code: Remedial Action
Created By: MPUGH
Created Date: 02/19/2015
Updated By: MPUGH
Updated Date: 02/19/2015
Decode for NarcdID: Remedial Action
NARR Comments: Based on the available information, the Site is currently protective of public health and the environment. The site requires no further action under the Oregon Environmental Cleanup Law, ORS 465.200 et seq. unless new or previously undisclosed information becomes available, or there are changes in site development or land and water uses, or more contamination is discovered. DEQ will update the Environmental Cleanup Site Information (ECSI) database to reflect this decision.

PRATT & LARSON TILE (Continued) **S117277437**

NARR ID: 5755292
NARR Code: Health Threats
Created By: MPUGH
Created Date: 09/11/2014
Updated By: MPUGH
Updated Date: 02/19/2015
Decode for NarcdID: Health Threats
NARR Comments: Residual contamination is above DEQ risk-based concentrations for urban residents. However, the site is zoned industrial which prohibits residential use. Contamination above applicable risk-based standards is limited to soils and shallow groundwater within the Site property boundary. Petroleum-impacted soil and shallow groundwater are present immediately beneath the basement floor. Most of the contamination occurs within the smear zone of seasonal water table fluctuation between 10 and 20 feet below local grade (from 0 to 10 feet below the basement floor). The only contaminant detected above its applicable risk-based concentration (RBC) is diesel in soil. Diesel concentrations in soil are above the RBC for direct contact by construction workers at sample locations MW-1, MW-2 and MW-3. All other detected contaminant concentrations in groundwater, soil and water were below applicable RBCs based on occupational exposure scenarios.

NARR ID: 5755295
NARR Code: Water Use (Current/Reasonably Likely)
Created By: MPUGH
Created Date: 09/11/2014
Updated By: MPUGH
Updated Date: 02/19/2015
Decode for NarcdID: Water Use (Current/Reasonably Likely)
NARR Comments: Based on a review of local well logs and DEQ experience at other sites in the area, shallow groundwater is not used for potable purposes in the site area.

NARR ID: 5755577
NARR Code: Institutional Control
Created By: MPUGH
Created Date: 02/19/2015
Updated By: MPUGH
Updated Date: 02/19/2015
Decode for NarcdID: Institutional Control
NARR Comments: If any contaminated soil or groundwater is encountered in the future, appropriate health and safety measures should implemented for site workers to minimize exposure, and it must be handled and disposed of in accordance with local, state and federal regulations. Monitoring wells should be maintained or decommissioned in accordance with Oregon Water Resources Department regulations.

NARR ID: 5755291
NARR Code: Site History
Created By: MPUGH
Created Date: 09/11/2014
Updated By: MPUGH
Updated Date: 09/11/2014
Decode for NarcdID: Site History
NARR Comments: the site was developed around 1900 and used by the Union Oil Company of California until about 1910 for storage and distributiojn of

PRATT & LARSON TILE (Continued) **S117277437**

petroleum and paint. The original building burned in 1911. It was rebuilt from then until 1924 and used for paint storage. After that the was used for storage of various products.

Administrative Action:

Action ID:	9424
Region:	Not reported
Complete Date:	07/31/2014
Rank Value:	Not reported
Cleanup Flag:	False
Created Date:	07/31/2014
Decode for AgencyID:	Department of Environmental Quality
Decode for RegionID:	Not reported
Category:	Administrative Action
Action Code Flag:	False
Action:	Site added to database
Further Action:	Not reported
Comments:	Not reported

Action ID:	9519
Region:	Northwestern Region
Complete Date:	09/09/2014
Rank Value:	Not reported
Cleanup Flag:	False
Created Date:	07/31/2014
Decode for AgencyID:	Department of Environmental Quality
Decode for RegionID:	Northwest Region
Category:	Remedial Action
Action Code Flag:	False
Action:	VCS Waiting List
Further Action:	0
Comments:	Not reported

Action ID:	9440
Region:	Northwestern Region
Complete Date:	02/19/2015
Rank Value:	Not reported
Cleanup Flag:	False
Created Date:	09/11/2014
Decode for AgencyID:	Department of Environmental Quality
Decode for RegionID:	Northwest Region
Category:	Remedial Action
Action Code Flag:	False
Action:	Letter Agreement
Further Action:	0
Comments:	Not reported

Action ID:	9443
Region:	Northwestern Region
Complete Date:	02/19/2015
Rank Value:	Not reported
Cleanup Flag:	False
Created Date:	02/19/2015
Decode for AgencyID:	Department of Environmental Quality
Decode for RegionID:	Northwest Region
Category:	Remedial Action
Action Code Flag:	False
Action:	NO FURTHER STATE ACTION REQUIRED

PRATT & LARSON TILE (Continued) **S117277437**

Further Action: 0
Comments: If any contaminated soil or groundwater is encountered in the future, appropriate health and safety measures should implemented for site workers to minimize exposure, and it must be handled and disposed of in accordance with local, state and federal

VCS:
ECS Site ID: 5919
Facility Size: 0.46 acres
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 02/19/2015
End Date: 02/19/2015
Facility Status: Completed
Program: VCP
Latitude: 45.51409
Longitude: -122.6654

DK487 **PORTLAND GENERAL ELECTRIC HAWT** **RCRA-CESQG** **1004770275**
West **1510 SE WATER AVE** **OR ECSI** **ORD981763923**
1/4-1/2 **PORTLAND, OR 97214** **OR VCP**
0.446 mi. **OR BROWNFIELDS**
2355 ft. **Site 1 of 2 in cluster DK** **OR MANIFEST**

Relative: Lower

Actual: 39 ft.

RCRA-CESQG:
Date form received by agency: 12/31/2007
Facility name: PORTLAND GENERAL ELECTRIC HAWT
Facility address: 1510 SE WATER AVE
PORTLAND, OR 97214
EPA ID: ORD981763923
Mailing address: 121 SW SALMON ST, MS 3WTCBR05
PORTLAND, OR 97204
Contact: LAVONNE ODEM
Contact address: 1510 SE WATER AVE
PORTLAND, OR 97214
Contact country: US
Contact telephone: (503) 425-1630
Contact email: Not reported
EPA Region: 10
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: PORTLAND GENERAL ELECTRIC
Owner/operator address: 121 SW SALMON ST, MS 3WTCBR05

PORTLAND GENERAL ELECTRIC HAWT (Continued) **1004770275**

PORTLAND, OR 97204
Owner/operator country: US
Owner/operator telephone: (503) 464-8141
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/31/2007
Owner/Op end date: Not reported

Owner/operator name: PORTLAND GENERAL ELECTRIC
Owner/operator address: 121 SW SALMON ST, MS 3WTCBR05
PORTLAND, OR 97204
Owner/operator country: US
Owner/operator telephone: (503) 464-8141
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/31/2007
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 12/31/2003
Site name: PORTLAND GENERAL ELECTRIC CO CORPORATE S
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/28/2003
Site name: PORTLAND GENERAL ELECTRIC CO CORPORATE S
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/26/2002
Site name: PORTLAND GENERAL ELECTRIC CO CORPORATE S
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/05/2001
Site name: PORTLAND GENERAL ELECTRIC CO CORPORATE S
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/14/2000
Site name: PORTLAND GENERAL ELECTRIC CO CORPORATE S
Classification: Conditionally Exempt Small Quantity Generator

PORTLAND GENERAL ELECTRIC HAWT (Continued) **1004770275**

Date form received by agency: 03/08/1999
Site name: PORTLAND GENERAL ELECTRIC CO CORPORATE S
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/24/1998
Site name: PORTLAND GENERAL ELECTRIC CO CORPORATE S
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/28/1997
Site name: PORTLAND GENERAL ELECTRIC CO CORPORATE S
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/28/1996
Site name: PORTLAND GENERAL ELECTRIC CO CORPORATE S
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/27/1995
Site name: PORTLAND GENERAL ELECTRIC CO CORPORATE S
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/01/1994
Site name: PORTLAND GENERAL ELECTRIC CO MAINT
Classification: Large Quantity Generator

Date form received by agency: 03/01/1994
Site name: PORTLAND GENERAL ELECTRIC CO CORPORATE S
Classification: Large Quantity Generator

Date form received by agency: 02/26/1993
Site name: PORTLAND GENERAL ELECTRIC CO CORPORATE S
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Date form received by agency: 03/02/1992
Site name: PORTLAND GENERAL ELECTRIC CO CORPORATE S
Classification: Small Quantity Generator

PORTLAND GENERAL ELECTRIC HAWT (Continued) **1004770275**

Violation Status: No violations found

ECSI:

State ID Number:	5779
Brown ID:	Brownfield Site - DEQ Tech Assistance
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	No Further Action
FACA ID:	126376
Further Action:	0
Lat/Long (dms):	45 30 43.60 / -122 39 55.40
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	3
Qtr Section:	Not reported
Tax Lots:	Not reported
Size:	0.9 acre
NPL:	False
Orphan:	False
Updated By:	TGAINER
Update Date:	02/19/2015
Created Date:	01/15/2013
Decode For RegionID:	Northwest Region
Decode For BrownID:	Brownfield Site - DEQ Technical Assistance
Decode For Furtheract:	Not reported
Decode For Investstat:	No Further Action
Decode For Legislative:	Not reported
Alias Name:	Hawthorne Depot, LLC
Alias Name:	Portland General Electric

Hazardous Release:

Substance ID.:	121059
Haz Release ID:	388113
Qty Released:	Unk.
Date Released:	Unk.
Update Date:	01/15/2013
Update By:	GWISTAR
Substance Code:	1336-36-3
Substance Name:	PCBs
Substance Abbrev.:	Not reported
Substance Category ID:	8558
Substance Category:	PCB Substances for the OSPIRG Report
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Category ID:	8558
Substance Category:	PCB Substances for the OSPIRG Report
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Alias ID:	317029
Sub Alias Name:	BIPHENYL,POLYCHLORO-

PORTLAND GENERAL ELECTRIC HAWT (Continued) **1004770275**

Substance Alias ID: 317030
Sub Alias Name: CHLORINATED BIPHENYL
Substance Alias ID: 317031
Sub Alias Name: CHLOROBIPHENYL
Substance Alias ID: 317032
Sub Alias Name: POLYCHLORINATED BIPHENYLs
Substance Alias ID: 317033
Sub Alias Name: POLYCHLOROBIPHENYL

Narrative:
NARR ID: 5754480
NARR Code: Contamination
Created By: GWISTAR
Created Date: 01/15/2013
Updated By: TGAINER
Updated Date: 02/12/2015
Decode for NarcdID: Contamination
NARR Comments: (2/12/15 TG/VCP) Historical operation of the facility resulted in contamination, primarily soil beneath the parking areas, elevator shaft, and basement floor and sumps, solids in on-site stormwater catch basins and off-site City stormwater conveyance pipes, and sediment in the Willamette River at the point of stormwater discharge. Significant groundwater contamination was not observed. Primary contaminants of concern include PCBs, metals and petroleum hydrocarbons.

NARR ID: 5755558
NARR Code: Data Sources
Created By: TGAINER
Created Date: 02/12/2015
Updated By: TGAINER
Updated Date: 02/12/2015
Decode for NarcdID: Data Sources
NARR Comments: Preliminary Assessment, Outfall 33 Drainage Area, URS, May 7, 2010.Hawthorne Building Upland Assessment, URS, September 8, 2010.Stormwater Assessment Work Plan, Hawthorne Building, URS, November, 2012.Hawthorne Building Concrete Core and Wipe Sampling Technical Memo, URS, September, 2012.Remedial Action Alternatives Letter Report, Hawthorne Building, URS, December, 2012.Final Interim Remedial Acton Work Plan, Hawthorne Building, URS, June 28, 2013.Analytical Results for Stormwater Assessment Sampling Event at the HawthorneBuilding, Technical Memorandum, URS, June 17, 2013.Interim Remedial Action Report, Hawthorne Building, URS, October 9, 2014.

NARR ID: 5755564
NARR Code: General Site Description
Created By: TGAINER
Created Date: 02/17/2015
Updated By: TGAINER
Updated Date: 02/17/2015
Decode for NarcdID: General Site Description
NARR Comments: The Site is located on approximately 0.9 acres of urban industrial land approximately 600 feet east of the Willamette River at 1510 SE Water Avenue, Portland, Multnomah County, Oregon. The Site is occupied by a 19,400 square foot, two story warehouse/office structure with a full basement. PGE vacated the Site in 2012 and initiated cleanup activities in September 2013 on behalf of Killian

PORTLAND GENERAL ELECTRIC HAWT (Continued) **1004770275**

Pacific, as part of their Prospective Purchaser Agreement with DEQ . Following cleanup activities and adequate confirmation sampling, the building was renovated as office space.

NARR ID: 5755566
NARR Code: Hazardous Substance/Waste Types
Created By: TGAINER
Created Date: 02/17/2015
Updated By: TGAINER
Updated Date: 02/17/2015
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Primary contaminants of concern include PCBs, metals and petroleum hydrocarbons. Historical operation of the facility resulted in contamination, primarily soil beneath the parking areas, elevator shaft, and basement floor and sumps, solids in on-site stormwater catch basins and off-site City stormwater conveyance pipes, and sediment in the Willamette River at the point of stormwater discharge. Not reported

NARR ID: 5755565
NARR Code: Pathways Other Hazards
Created By: TGAINER
Created Date: 02/17/2015
Updated By: TGAINER
Updated Date: 02/17/2015
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Potential receptors on-site are construction and occupational workers. Potential off-site exposures to receptors in the Willamette River may occur as a result of contaminant discharge to the Willamette River through the stormwater system. Significant groundwater contamination was not observed, and potential preferential groundwater pathways to subsurface utilities and associated backfill is incomplete because the subsurface utilities are located above the depth at which groundwater is encountered.

NARR ID: 5754481
NARR Code: Remedial Action
Created By: GWISTAR
Created Date: 01/15/2013
Updated By: TGAINER
Updated Date: 02/17/2015
Decode for NarcdID: Remedial Action
NARR Comments: (1/14/13 TG/VCP) PGE has entered the Voluntary Cleanup Program to perform removal assessment and implementation regarding on-site PCB contamination.(2/12/15 TG/VCP) Remedial actions at the Site included removal of contaminated components of the Site, including: basement sumps, soil, two underground storage tanks, and stormwater solids in the conveyance system.

NARR ID: 5755559
NARR Code: Residual Risk Assessment
Created By: TGAINER
Created Date: 02/12/2015
Updated By: TGAINER
Updated Date: 02/12/2015
Decode for NarcdID: Residual Risk Assessment
NARR Comments: Post-remedial action confirmation samples showed contaminant

PORTLAND GENERAL ELECTRIC HAWT (Continued) **1004770275**

concentrations were below applicable health-based screening levels. One exception was at the extent of the elevator shaft excavation where a small pocket of diesel-range petroleum-contaminated soil was left in place at 20 feet below ground surface. Future exposure to construction workers is unlikely at this depth, and an oxidant (RegenOx) was applied to treat the soil prior to backfilling. Groundwater impacts were not observed.

NARR ID: 5755500
NARR Code: Site History
Created By: GWISTAR
Created Date: 12/31/2014
Updated By: TGAINER
Updated Date: 02/12/2015
Decode for NarcdID: Site History
NARR Comments: The property had belonged to PGE or a predecessor company since 1905. The two-story building was originally constructed in 1911 by PGE predecessor companies for use as a railway depot and parking garage. Since 1935, various PGE departments occupied the building for storage and maintenance uses. Between 1935 and 2000, PGE operations in the basement included: bushing repair; automotive repair; a metal shop; a paint booth; cleaning, repair and maintenance of electrical equipment (e.g., transformers); and the storage of associated supplies and wastes. Transformer repair ceased in the mid-1980s, and transformer storage ceased in January 2011. Since 2000, PGE operations at the Property have been primarily limited to routine maintenance of on-site systems. PGE vacated the Property in 2012 leaving only office equipment and miscellaneous supplies on site until the start of remedial activities in September 2013.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 01/15/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/15/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9492
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/15/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMOVAL ASSESSMENT
Further Action: 0
Comments: Not reported

PORTLAND GENERAL ELECTRIC HAWT (Continued) **1004770275**

Action ID: 9440
Region: Northwestern Region
Complete Date: 03/19/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/25/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Letter Agreement
Further Action: 0
Comments: Not reported

Action ID: 9464
Region: Northwestern Region
Complete Date: 08/14/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/12/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Prospective Purchaser Agreement
Further Action: 0
Comments: PPA 13-08: Hawthorne Depot LLC

Action ID: 9491
Region: Northwestern Region
Complete Date: 10/09/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMOVAL
Further Action: High-Medium
Comments: Remedial actions at the Site included removal of contaminated components of the Site, including: basement sumps, soil, two underground storage tanks, and stormwater solids in the conveyance system.

Action ID: 9443
Region: Northwestern Region
Complete Date: 02/19/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0

PORTLAND GENERAL ELECTRIC HAWT (Continued) **1004770275**

Comments: Not reported

Action ID: 9414
Region: Northwestern Region
Complete Date: 04/09/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/09/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Certification of Completion
Further Action: 0
Comments: Not reported

VCS:
ECS Site ID: 5779
Facility Size: 0.9 acre
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 02/12/2015
End Date: 02/19/2015
Facility Status: Completed
Program: VCP
Latitude: 45.51209
Longitude: -122.6654

OR BROWNFIELDS:
Geolocation Id: 126376
Status: NO FURTHER STATE ACTION REQUIRED
Lat/Long: 45.5121 / -122.665

OR MANIFEST:
Manifest Year: Manifest Year - 2007
EPA Id: ORD981763923
Inactive Status: Not reported
Organization Name: Not reported
Contact Name: Brandy Horn
Contact Telephone Number: (503) 464-8970
Mailing Address: 121 SW Salmon St, MS 3WTCBR05
Mailing City/State/Zip: Portland, OR 97204

DL488 **HEATING OIL TANK** **OR LUST** **S102959514**
ENE **1802 SE MORRISON** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.446 mi.
2355 ft. **Site 1 of 4 in cluster DL**

Relative:
Higher

Actual:
117 ft.

LUST:
Region: North Western Region
Facility ID: 26-97-0910
Cleanup Received Date: 12/03/1997
Cleanup Start Date: 12/03/1997

HEATING OIL TANK (Continued) **S102959514**

Cleanup Complete Date: **12/09/1997**
Decode for Region: **North West Region**

Region: North Western Region
Facility ID: 26-97-0917
Cleanup Received Date: 12/03/1997
Cleanup Start Date: 12/03/1997
Cleanup Complete Date: **12/09/1997**
Decode for Region: **North West Region**

DM489 **BENT 3 - PORTLAND STREETCAR EXTENSION** **OR ECSI** **S110638442**
SW **SE 3RD & LINCOLN** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.448 mi.
2366 ft. **Site 1 of 2 in cluster DM**

Relative:
Higher

Actual:
53 ft.

ECSI:
State ID Number: 5392
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: Suspect
FACA ID: 117325
Further Action: 0
Lat/Long (dms): 45 30 29.50 / -122 39 46.10
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 3
Qtr Section: DA
Tax Lots: 3200
Size: Not reported
NPL: False
Orphan: False
Updated By: KDANA
Update Date: 03/21/2012
Created Date: 08/12/2010
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: Suspect
Decode For Legislative: Not reported
Alias Name: OMSI Viaduct

Hazardous Release:
Substance ID.: 121374
Haz Release ID: 387553
Qty Released: unknown
Date Released: unknown
Update Date: 03/15/2012
Update By: KDANA
Substance Code: 50-32-8
Substance Name: BENZO(a)PYRENE

BENT 3 - PORTLAND STREETCAR EXTENSION (Continued) **S110638442**

Substance Abbrev.: Not reported
Substance Category ID: 8476
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8476
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318559
Sub Alias Name: B(a)P
Substance Alias ID: 318560
Sub Alias Name: BENZOPYRENE,3,4-
Substance Alias ID: 318561
Sub Alias Name: BENZPYRENE,3,4-
Substance Alias ID: 318562
Sub Alias Name: BP
Sampling Result ID: 349934
Feature Id: 0
Hazard Release Id: 387553
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 6 ft bgs
Start Date: 07/21/2010
End Date: 07/21/2010
Min Concentration: Not reported
Max Concentration: 3.51
Sample Comment: up to 3.51 ppm
Last Update By: KDANA
Update Date: 03/15/2012
Decode for MediumID: Soil

Substance ID.: 121982
Haz Release ID: 387920
Qty Released: unknown
Date Released: unknown
Update Date: 03/15/2012
Update By: KDANA
Substance Code: ECD169
Substance Name: DIESEL - FUEL OIL
Substance Abbrev.: Not reported
Substance Category ID: 8529
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8529
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002

BENT 3 - PORTLAND STREETCAR EXTENSION (Continued) **S110638442**

Sampling Result ID: 350316
Feature Id: 0
Hazard Release Id: 387920
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 3-4 ft bgs
Start Date: 09/27/2009
End Date: 09/27/2009
Min Concentration: Not reported
Max Concentration: 154.00
Sample Comment: up to 154 ppm
Last Update By: KDANA
Update Date: 03/15/2012
Decode for MediumID: Soil

Substance ID.: 121980
Haz Release ID: 387921
Qty Released: unknown
Date Released: unknown
Update Date: 03/15/2012
Update By: KDANA
Substance Code: ECD166
Substance Name: FUEL OIL
Substance Abbrev.: Not reported
Substance Category ID: 8528
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8528
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Comment ID: 305412
Release Code: General Comments
Release Comments: Identified in laboratory reports as lube oil
Decode for Relcomcd: General Comments
Sampling Result ID: 350317
Feature Id: 0
Hazard Release Id: 387921
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 3-4 ft bgs
Start Date: 09/27/2009
End Date: 09/27/2009
Min Concentration: Not reported
Max Concentration: 1280.00
Sample Comment: up to 1,280 ppm

BENT 3 - PORTLAND STREETCAR EXTENSION (Continued) **S110638442**

Last Update By: KDANA
Update Date: 03/15/2012
Decode for MediumID: Soil

Substance ID.: 121059
Haz Release ID: 387922
Qty Released: unknown
Date Released: unknown
Update Date: 03/15/2012
Update By: KDANA
Substance Code: 1336-36-3
Substance Name: PCBs
Substance Abbrev.: Not reported
Substance Category ID: 8558
Substance Category: PCB Substances for the OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8558
Substance Category: PCB Substances for the OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317029
Sub Alias Name: BIPHENYL,POLYCHLORO-
Substance Alias ID: 317030
Sub Alias Name: CHLORINATED BIPHENYL
Substance Alias ID: 317031
Sub Alias Name: CHLOROBIPHENYL
Substance Alias ID: 317032
Sub Alias Name: POLYCHLORINATED BIPHENYLs
Substance Alias ID: 317033
Sub Alias Name: POLYCHLOROBIPHENYL
Sampling Result ID: 350318
Feature Id: 0
Hazard Release Id: 387922
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 3-4 ft bgs
Start Date: 09/27/2009
End Date: 09/27/2009
Min Concentration: Not reported
Max Concentration: 1.70
Sample Comment: up to 1.696 ppm
Last Update By: KDANA
Update Date: 03/15/2012
Decode for MediumID: Soil

Substance ID.: 121639
Haz Release ID: 387923
Qty Released: unknown
Date Released: unknown
Update Date: 03/15/2012

BENT 3 - PORTLAND STREETCAR EXTENSION (Continued) **S110638442**

Update By: KDANA
Substance Code: 7439-92-1
Substance Name: LEAD
Substance Abbrev.: Not reported
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319256
Sub Alias Name: PB
Sampling Result ID: 350319
Feature Id: 0
Hazard Release Id: 387923
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 3-4 ft bgs
Start Date: 09/27/2009
End Date: 09/27/2009
Min Concentration: Not reported
Max Concentration: 396.00
Sample Comment: up to 396 ppm
Last Update By: KDANA
Update Date: 03/15/2012
Decode for MediumID: Soil

Narrative:
NARR ID: 5753943
NARR Code: Contamination
Created By: KDANA
Created Date: 03/20/2012
Updated By: KDANA
Updated Date: 03/21/2012
Decode for NarcdID: Contamination
NARR Comments: (03/21/2012 KPD/ICP) In September 2009, URS Corporation advanced four borings along SE Water Avenue as part of a Phase II Environmental Site Assessment. The borings were located where Bent 4 and a ramp at the south end of the viaduct would be located. Two soil samples were collected from each boring, and groundwater samples were collected from two of the borings. All of the samples were analyzed for petroleum products and petroleum constituents, as well as polychlorinated biphenyls (PCBs) and heavy metals. Diesel (at concentrations up to 154 ppm), lube oil (up to 1,280 ppm), and lead (up to 396 ppm) were detected in the soil samples. The highest concentrations were all collected from Bent 4. Only metals, likely at background concentrations, were detected in the groundwater.Environmental Health Management was retained to sample and dispose of contaminated soils during construction of the viaduct. Two soil samples were collected from Bent 3 in April 2010, finding up

BENT 3 - PORTLAND STREETCAR EXTENSION (Continued) **S110638442**

to 672 ppm lube oil. Additional samples from Bent 3 in July 2010 found elevated concentrations of diesel, lube oil, and polycyclic aromatic hydrocarbons (PAHs). A soil sample from Bent 2 in September 2010 found 609 ppm lube oil.

NARR ID: 5753934
NARR Code: Data Sources
Created By: KDANA
Created Date: 03/15/2012
Updated By: KDANA
Updated Date: 03/15/2012
Decode for NarcdID: Data Sources
NARR Comments: Environmental Health Management ***Soil Assessment Report*** (November 14, 2010)ECSI #5527 (Portland Streetcar Loop)

NARR ID: 5753933
NARR Code: Hazardous Substance/Waste Types
Created By: KDANA
Created Date: 03/15/2012
Updated By: KDANA
Updated Date: 03/15/2012
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Heavy petroleum hydrocarbons (diesel, lube oil, etc.)

NARR ID: 5753942
NARR Code: Site Location
Created By: KDANA
Created Date: 03/15/2012
Updated By: KDANA
Updated Date: 03/20/2012
Decode for NarcdID: Site Location
NARR Comments: The viaduct for the Portland Streetcar extends from SE Martin Luther King Jr. Blvd. at Harrison Street to SE Water Avenue near OMSI, crossing over Union Pacific and Oregon Pacific Railroad lines. Bent 3, the center point of the viaduct, is located roughly where SE 3rd Avenue and SE Lincoln Street would meet. Bent 3 is situated between the UPRR and OPRR lines, and appears to occupy Tax Lot 3200, owned by UPRR.

NARR ID: 5753945
NARR Code: Remedial Action
Created By: KDANA
Created Date: 03/21/2012
Updated By: KDANA
Updated Date: 03/21/2012
Decode for NarcdID: Remedial Action
NARR Comments: (03/21/2012 KPD/ICP) In April 2010, a total of 17.19 tons of petroleum-contaminated soil (PCS) were excavated from Bent 4. This was followed by 213.59 tons of PCS from Bent 3 in July 2010, 505.72 tons of PCS from the south ramp in August 2010, and 200.51 tons of PCS from Bent 2 in September 2010. (No contaminated soil was excavated from Bent 1). In all, a total of 937.01 tons of PCS were excavated and shipped to the Hillsboro Landfill for disposal.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 08/12/2010

BENT 3 - PORTLAND STREETCAR EXTENSION (Continued) **S110638442**

Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/12/2010
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Northwestern Region
Complete Date: 03/21/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/12/2010
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: 0
Comments: Not reported

Action ID: 9413
Region: Northwestern Region
Complete Date: 03/21/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/15/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Closeout activities on completed project
Further Action: 0
Comments: Not reported

CZ490 **HEATING OIL TANK** **OR LUST** **S107596015**
NE **525 SE 16TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.450 mi.
2375 ft. **Site 3 of 4 in cluster CZ**

Relative:
Higher

Actual:
105 ft.

LUST:
Region: North Western Region
Facility ID: 26-05-2410
Cleanup Received Date: 11/14/2005
Cleanup Start Date: 11/16/2005
Cleanup Complete Date: Not reported
Decode for Region: North West Region

DL491 **HEATING OIL TANK** **OR LUST** **S104658416**
ENE **1812-1818 SE MORRISON** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.450 mi.
2376 ft. **Site 2 of 4 in cluster DL**

Relative:
Higher

Actual:
118 ft.

LUST:

Region:	North Western Region
Facility ID:	26-00-5200
Cleanup Received Date:	06/27/2000
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**09/07/2000**
Decode for Region:	**North West Region**

DI492 **HEATING OIL TANK** **OR LUST** **S108572478**
ESE **1636 SE ELLIOT AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.451 mi.
2380 ft. **Site 2 of 6 in cluster DI**

Relative:
Higher

Actual:
85 ft.

LUST:

Region:	North Western Region
Facility ID:	26-07-0222
Cleanup Received Date:	02/22/2007
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**05/09/2007**
Decode for Region:	**North West Region**

DI493 **HEATING OIL TANK** **OR LUST** **S104189351**
ESE **1630 SE ELLIOT AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.452 mi.
2386 ft. **Site 3 of 6 in cluster DI**

Relative:
Higher

Actual:
86 ft.

LUST:

Region:	North Western Region
Facility ID:	26-99-1194
Cleanup Received Date:	10/21/1999
Cleanup Start Date:	10/21/1999
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

DN494 **HEATING OIL TANK** **OR LUST** **S108572815**
South **1028 SE SHERMAN** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.452 mi.
2386 ft. **Site 1 of 3 in cluster DN**

Relative:
Higher

Actual:
56 ft.

LUST:

Region:	North Western Region
Facility ID:	26-07-0646
Cleanup Received Date:	05/11/2007
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**09/05/2007**
Decode for Region:	**North West Region**

DJ495 **HEATING OIL TANK** **OR LUST** **S105856641**
SSE **2276 SE SPRUCE AVENUE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.452 mi.
2386 ft. **Site 2 of 3 in cluster DJ**

Relative:
Higher

Actual:
53 ft.

LUST:

Region:	North Western Region
Facility ID:	26-03-0733
Cleanup Received Date:	04/22/2003
Cleanup Start Date:	04/23/2003
Cleanup Complete Date:	**10/18/2003**
Decode for Region:	**North West Region**

DK496 **MULTNOMAH COUNTY TRANSPORTATION DIV** **OR LUST** **U001150110**
West **1403 SE WATER AVE** **OR UST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.452 mi.
2388 ft. **Site 2 of 2 in cluster DK**

Relative:
Lower

Actual:
39 ft.

LUST:

Region:	North Western Region
Facility ID:	26-92-0207
Cleanup Received Date:	07/24/1992
Cleanup Start Date:	07/24/1992
Cleanup Complete Date:	**11/24/1997**
Decode for Region:	**North West Region**

UST:

Facility ID:	11041
Facility Telephone:	(503)248-3757
Permittee Name:	Not reported
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	2
Number of Tanks:	2

DN497 **GENERAL THREADED PROD. CO.** **OR LUST** **U000432691**
South **2318 SE 10TH** **OR UST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.454 mi.
2395 ft. **Site 2 of 3 in cluster DN**

Relative:
Higher

Actual:
59 ft.

LUST:

Region:	North Western Region
Facility ID:	26-90-0326
Cleanup Received Date:	09/10/1990
Cleanup Start Date:	09/10/1990
Cleanup Complete Date:	**11/25/1991**
Decode for Region:	**North West Region**

UST:

Facility ID:	10231
Facility Telephone:	(503)774-8375
Permittee Name:	GORDON REECE, OWNER
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported

GENERAL THREADED PROD. CO. (Continued) **U000432691**

Decommissioned Tanks: 3
Number of Tanks: 3

CZ498 **HEATING OIL TANK** **OR LUST** **S105154243**
NE **524 SE 16TH** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.455 mi.
2402 ft. **Site 4 of 4 in cluster CZ**

Relative:
Higher

Actual:
106 ft.

LUST:
Region: North Western Region
Facility ID: 26-01-6970
Cleanup Received Date: 09/12/2001
Cleanup Start Date: 09/13/2001
Cleanup Complete Date: 09/17/2002
Decode for Region: North West Region

DJ499 **HEATING OIL TANK** **OR LUST** **S106116779**
SSE **2282 SE SPRUCE AVENUE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.455 mi.
2404 ft. **Site 3 of 3 in cluster DJ**

Relative:
Higher

Actual:
53 ft.

LUST:
Region: North Western Region
Facility ID: 26-03-2165
Cleanup Received Date: 10/10/2003
Cleanup Start Date: 10/13/2003
Cleanup Complete Date: 12/24/2003
Decode for Region: North West Region

DI500 **HEATING OIL TANK** **OR LUST** **S110141162**
ESE **1559-1561 SE ELLIOTT AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.459 mi.
2424 ft. **Site 4 of 6 in cluster DI**

Relative:
Higher

Actual:
94 ft.

LUST:
Region: North Western Region
Facility ID: 26-09-1120
Cleanup Received Date: 11/02/2009
Cleanup Start Date: Not reported
Cleanup Complete Date: 03/22/2010
Decode for Region: North West Region

DO501 **7-ELEVEN FOOD STORE #25200** **OR LUST** **S108987369**
East **1930 SE HAWTHORNE BLVD** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.462 mi.
2441 ft. **Site 1 of 3 in cluster DO**

Relative:
Higher

Actual:
99 ft.

LUST:

Region:	North Western Region
Facility ID:	26-07-1841
Cleanup Received Date:	11/27/2007
Cleanup Start Date:	03/03/2007
Cleanup Complete Date:	**03/03/2011**
Decode for Region:	**North West Region**

DF502 **IMAGE CONTROL SYSTEMS** **OR LUST** **U000432700**
NNW **310 SE 6TH AVE** **OR UST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.463 mi.
2445 ft. **Site 2 of 2 in cluster DF**

Relative:
Higher

Actual:
60 ft.

LUST:

Region:	North Western Region
Facility ID:	26-97-0821
Cleanup Received Date:	11/03/1997
Cleanup Start Date:	11/01/1997
Cleanup Complete Date:	**03/19/1998**
Decode for Region:	**North West Region**

UST:

Facility ID:	1659
Facility Telephone:	(503)234-0643
Permittee Name:	JEFF JOHNSON, IMAGE CONTROL SYSTEMS
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	2
Number of Tanks:	2

DP503 **HEATING OIL TANK** **OR LUST** **S105556640**
SE **2050 SE 16TH** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.464 mi.
2450 ft. **Site 1 of 5 in cluster DP**

Relative:
Higher

Actual:
58 ft.

LUST:

Region:	North Western Region
Facility ID:	26-02-0885
Cleanup Received Date:	09/17/2002
Cleanup Start Date:	09/17/2002
Cleanup Complete Date:	**04/22/2005**
Decode for Region:	**North West Region**

DO504 **HEATING OIL TANK** **OR LUST** **S102778412**
ESE **1537 SE ELLIOTT** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.464 mi.
2450 ft. **Site 2 of 3 in cluster DO**

Relative:
Higher

Actual:
96 ft.

LUST:

Region:	North Western Region
Facility ID:	26-97-0433
Cleanup Received Date:	06/06/1997
Cleanup Start Date:	06/06/1997
Cleanup Complete Date:	**01/16/1998**
Decode for Region:	**North West Region**

DG505 **ODOT** **OR LUST** **U000432723**
WNW **1001 SE WATER AVE** **OR UST** **N/A**
1/4-1/2 **PORTLAND, OR 97214** **OR UIC**
0.464 mi.
2450 ft. **Site 3 of 3 in cluster DG**

Relative:
Lower

Actual:
36 ft.

LUST:

Region:	North Western Region
Facility ID:	26-91-0078
Cleanup Received Date:	02/15/1991
Cleanup Start Date:	02/04/1991
Cleanup Complete Date:	**07/31/2000**
Decode for Region:	**North West Region**

Region:	North Western Region
Facility ID:	26-92-0214
Cleanup Received Date:	07/21/1992
Cleanup Start Date:	06/22/1992
Cleanup Complete Date:	**06/23/1992**
Decode for Region:	**North West Region**

UST:

Facility ID:	7737
Facility Telephone:	(503)238-8220
Permittee Name:	GARY M. KNOWLTON, REGIONAL PROPERTY AGT.
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	2
Number of Tanks:	2

OR UIC:

UIC Well #:	1
Type:	5D2
Type Description:	Storm Water Drainage
Status:	Active
UIC Number:	14531
Facility Status:	Not Registered
Lat/Long:	45.5154 / -122.6661

DP506
SE
1/4-1/2
0.464 mi.
2452 ft.

HEATING OIL TANK
2043-2047 SE 16TH AVENUE
PORTLAND, OR 97214

Site 2 of 5 in cluster DP

OR LUST **S116561621**
N/A

Relative:
Higher

Actual:
58 ft.

LUST:

Region:	North Western Region
Facility ID:	26-14-0192
Cleanup Received Date:	02/28/2014
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**10/06/2014**
Decode for Region:	**North West Region**

507
SSW
1/4-1/2
0.465 mi.
2455 ft.

ROBBEN OIL COMPANY
2300 SE 7TH AVE
PORTLAND, OR 97214

OR LUST **U000432733**
OR UST **N/A**

Relative:
Higher

Actual:
68 ft.

LUST:

Region:	North Western Region
Facility ID:	26-01-8554
Cleanup Received Date:	12/11/2001
Cleanup Start Date:	12/07/2001
Cleanup Complete Date:	**03/19/2002**
Decode for Region:	**North West Region**

Region:	North Western Region
Facility ID:	26-91-0189
Cleanup Received Date:	05/14/1991
Cleanup Start Date:	05/14/1991
Cleanup Complete Date:	**07/02/1996**
Decode for Region:	**North West Region**

UST:

Facility ID:	7986
Facility Telephone:	(503)233-5841
Permittee Name:	LIONEL ROBBEN, PRESIDENT
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	4
Number of Tanks:	4

DD508
WNW
1/4-1/2
0.465 mi.
2455 ft.

HABITAT FOR HUMANITY PORTLAND/CLARK COUNTY
66 SE MORRISON
PORTLAND, OR 97214

Site 3 of 3 in cluster DD

WA SWRCY **S111415848**
N/A

Relative:
Lower

Actual:
36 ft.

SWRCY:

Service:	Habitat for Humanity ReStore
Phone:	503-283-6247
Extension:	Not reported
Website:	http://www.pdxrestore.org/
Email:	Not reported
Material Category:	Appliances
Material Accepted:	Appliance, no cfcs

HABITAT FOR HUMANITY PORTLAND/CLARK COUNTY (Continued) **S111415848**

Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	9am-5pm, Tue-Sat. Donations accepted until 4:30pm.
Comments:	A nonprofit outlet for used and closed out/discontinued building materials. See website or call to find out what they currently want or don't want. Might take reusable/resellable doors, windows (no aluminum frames), cabinets, lumber, flooring, millwork, plumbing, lighting, furniture, working appliances less than 5 years old, tile and more.
Service:	Habitat for Humanity ReStore
Phone:	503-283-6247
Extension:	Not reported
Website:	http://www.pdxrestore.org/
Email:	Not reported
Material Category:	Appliances
Material Accepted:	Appliance, w/cfcs
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	9am-5pm, Tue-Sat. Donations accepted until 4:30pm.
Comments:	A nonprofit outlet for used and closed out/discontinued building materials. See website or call to find out what they currently want or don't want. Might take reusable/resellable doors, windows (no aluminum frames), cabinets, lumber, flooring, millwork, plumbing, lighting, furniture, working appliances less than 5 years old, tile and more.
Service:	Habitat for Humanity ReStore
Phone:	503-283-6247
Extension:	Not reported
Website:	http://www.pdxrestore.org/
Email:	Not reported
Material Category:	Building Materials
Material Accepted:	Brick
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	9am-5pm, Tue-Sat. Donations accepted until 4:30pm.
Comments:	A nonprofit outlet for used and closed out/discontinued building materials. See website or call to find out what they currently want or don't want. Might take reusable/resellable doors, windows (no aluminum frames), cabinets, lumber, flooring, millwork, plumbing, lighting, furniture, working appliances less than 5 years old, tile and more.
Service:	Habitat for Humanity ReStore
Phone:	503-283-6247
Extension:	Not reported
Website:	http://www.pdxrestore.org/
Email:	Not reported
Material Category:	Building Materials
Material Accepted:	Ceramic tile

HABITAT FOR HUMANITY PORTLAND/CLARK COUNTY (Continued) **S111415848**

Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	9am-5pm, Tue-Sat. Donations accepted until 4:30pm.
Comments:	A nonprofit outlet for used and closed out/discontinued building materials. See website or call to find out what they currently want or don't want. Might take reusable/resellable doors, windows (no aluminum frames), cabinets, lumber, flooring, millwork, plumbing, lighting, furniture, working appliances less than 5 years old, tile and more.
Service:	Habitat for Humanity ReStore
Phone:	503-283-6247
Extension:	Not reported
Website:	http://www.pdxrestore.org/
Email:	Not reported
Material Category:	Building Materials
Material Accepted:	Clean lumber
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	9am-5pm, Tue-Sat. Donations accepted until 4:30pm.
Comments:	A nonprofit outlet for used and closed out/discontinued building materials. See website or call to find out what they currently want or don't want. Might take reusable/resellable doors, windows (no aluminum frames), cabinets, lumber, flooring, millwork, plumbing, lighting, furniture, working appliances less than 5 years old, tile and more.
Service:	Habitat for Humanity ReStore
Phone:	503-283-6247
Extension:	Not reported
Website:	http://www.pdxrestore.org/
Email:	Not reported
Material Category:	Building Materials
Material Accepted:	Framed windows
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	9am-5pm, Tue-Sat. Donations accepted until 4:30pm.
Comments:	A nonprofit outlet for used and closed out/discontinued building materials. See website or call to find out what they currently want or don't want. Might take reusable/resellable doors, windows (no aluminum frames), cabinets, lumber, flooring, millwork, plumbing, lighting, furniture, working appliances less than 5 years old, tile and more.
Service:	Habitat for Humanity ReStore
Phone:	503-283-6247
Extension:	Not reported
Website:	http://www.pdxrestore.org/
Email:	Not reported
Material Category:	Building Materials
Material Accepted:	Painted wood

HABITAT FOR HUMANITY PORTLAND/CLARK COUNTY (Continued) **S111415848**

Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	9am-5pm, Tue-Sat. Donations accepted until 4:30pm.
Comments:	A nonprofit outlet for used and closed out/discontinued building materials. See website or call to find out what they currently want or don't want. Might take reusable/resellable doors, windows (no aluminum frames), cabinets, lumber, flooring, millwork, plumbing, lighting, furniture, working appliances less than 5 years old, tile and more.
Service:	Habitat for Humanity ReStore
Phone:	503-283-6247
Extension:	Not reported
Website:	http://www.pdxrestore.org/
Email:	Not reported
Material Category:	Building Materials
Material Accepted:	Plywood
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	9am-5pm, Tue-Sat. Donations accepted until 4:30pm.
Comments:	A nonprofit outlet for used and closed out/discontinued building materials. See website or call to find out what they currently want or don't want. Might take reusable/resellable doors, windows (no aluminum frames), cabinets, lumber, flooring, millwork, plumbing, lighting, furniture, working appliances less than 5 years old, tile and more.
Service:	Habitat for Humanity ReStore
Phone:	503-283-6247
Extension:	Not reported
Website:	http://www.pdxrestore.org/
Email:	Not reported
Material Category:	Building Materials
Material Accepted:	Porcelain, pure
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	9am-5pm, Tue-Sat. Donations accepted until 4:30pm.
Comments:	A nonprofit outlet for used and closed out/discontinued building materials. See website or call to find out what they currently want or don't want. Might take reusable/resellable doors, windows (no aluminum frames), cabinets, lumber, flooring, millwork, plumbing, lighting, furniture, working appliances less than 5 years old, tile and more.
Service:	Habitat for Humanity ReStore
Phone:	503-283-6247
Extension:	Not reported
Website:	http://www.pdxrestore.org/
Email:	Not reported
Material Category:	Metals
Material Accepted:	Porcelain-coated castiron

HABITAT FOR HUMANITY PORTLAND/CLARK COUNTY (Continued) **S111415848**

Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	9am-5pm, Tue-Sat. Donations accepted until 4:30pm.
Comments:	A nonprofit outlet for used and closed out/discontinued building materials. See website or call to find out what they currently want or don't want. Might take reusable/resellable doors, windows (no aluminum frames), cabinets, lumber, flooring, millwork, plumbing, lighting, furniture, working appliances less than 5 years old, tile and more.
Service:	Habitat for Humanity ReStore
Phone:	503-283-6247
Extension:	Not reported
Website:	http://www.pdxrestore.org/
Email:	Not reported
Material Category:	Building Materials
Material Accepted:	Shakes, shingles
Contact Name:	Not reported
Residential:	Yes
Commercial:	Yes
Service Type:	Dropoff and buy-back sites
Light Recycle Participant:	No
Hours:	9am-5pm, Tue-Sat. Donations accepted until 4:30pm.
Comments:	A nonprofit outlet for used and closed out/discontinued building materials. See website or call to find out what they currently want or don't want. Might take reusable/resellable doors, windows (no aluminum frames), cabinets, lumber, flooring, millwork, plumbing, lighting, furniture, working appliances less than 5 years old, tile and more.

DQ509 **HEATING OIL TANK** **OR LUST** **S104189345**
SSE **1403 SE BIRCH** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.465 mi.
2455 ft. **Site 1 of 2 in cluster DQ**

Relative:
Higher

Actual:
54 ft.

LUST:

Region:	North Western Region
Facility ID:	26-99-1096
Cleanup Received Date:	09/27/1999
Cleanup Start Date:	09/13/1999
Cleanup Complete Date:	**05/24/2010**
Decode for Region:	**North West Region**

DN510 **HEATING OIL TANK** **OR LUST** **S110292685**
South **2332 SE 11TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.466 mi.
2459 ft. **Site 3 of 3 in cluster DN**

Relative:
Higher

Actual:
53 ft.

LUST:

Region:	North Western Region
Facility ID:	26-10-0037
Cleanup Received Date:	01/21/2010
Cleanup Start Date:	Not reported

HEATING OIL TANK (Continued) **S110292685**

Cleanup Complete Date: **02/03/2010**
Decode for Region: **North West Region**

DI511 **HEATING OIL TANK** **OR LUST** **S116760784**
ESE **1556 SE ELLIOTT AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.466 mi.
2463 ft. **Site 5 of 6 in cluster DI**

Relative:
Higher

Actual:
95 ft.

LUST:
Region: North Western Region
Facility ID: 26-14-0838
Cleanup Received Date: 06/26/2014
Cleanup Start Date: Not reported
Cleanup Complete Date: **06/15/2015**
Decode for Region: **North West Region**

DI512 **HEATING OIL TANK** **OR LUST** **S105856488**
ESE **1548 SE ELLIOTT AVENUE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.468 mi.
2471 ft. **Site 6 of 6 in cluster DI**

Relative:
Higher

Actual:
95 ft.

LUST:
Region: North Western Region
Facility ID: 26-03-0504
Cleanup Received Date: 03/19/2003
Cleanup Start Date: 03/20/2003
Cleanup Complete Date: **01/10/2005**
Decode for Region: **North West Region**

DL513 **HEATING OIL TANK** **OR LUST** **S106475799**
NE **718 SE 18TH** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.468 mi.
2472 ft. **Site 3 of 4 in cluster DL**

Relative:
Higher

Actual:
119 ft.

LUST:
Region: North Western Region
Facility ID: 26-04-0953
Cleanup Received Date: 05/12/2004
Cleanup Start Date: 05/12/2004
Cleanup Complete Date: **12/16/2011**
Decode for Region: **North West Region**

DL514 **HEATING OIL TANK** **OR LUST** **S104304436**
NE **710 SE 18TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.471 mi.
2487 ft. **Site 4 of 4 in cluster DL**

Relative:
Higher

Actual:
119 ft.

LUST:

Region:	North Western Region
Facility ID:	26-00-0122
Cleanup Received Date:	01/30/2000
Cleanup Start Date:	01/25/2000
Cleanup Complete Date:	**05/09/2000**
Decode for Region:	**North West Region**

DR515 **HEATING OIL TANK** **OR LUST** **S110141267**
East **1306 SE 20TH AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.472 mi.
2490 ft. **Site 1 of 3 in cluster DR**

Relative:
Higher

Actual:
110 ft.

LUST:

Region:	North Western Region
Facility ID:	26-09-1217
Cleanup Received Date:	11/30/2009
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

DM516 **OREGON RAIL HERITAGE FOUNDATION** **OR ECSI** **S111286601**
SW **BETWEEN SE GRAND AVE. AND WATER AVE. AT GRANT ST.** **OR CRL** **N/A**
1/4-1/2 **PORTLAND, OR 97214** **OR ENG CONTROLS**
0.472 mi. **OR INST CONTROL**
2492 ft. **Site 2 of 2 in cluster DM** **OR VCP**
OR BROWNFIELDS

Relative:
Higher

Actual:
49 ft.

ECSI:

State ID Number:	5641
Brown ID:	Brownfield Site - DEQ Tech Assistance
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	Listed on the CRL/Inventory
FACA ID:	121456
Further Action:	0
Lat/Long (dms):	45 30 28.10 / -122 39 46.40
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	3
Qtr Section:	DD
Tax Lots:	101
Size:	2.7 acres
NPL:	False
Orphan:	False

OREGON RAIL HERITAGE FOUNDATION (Continued) **S111286601**

Updated By: GWISTAR
Update Date: 03/20/2013
Created Date: 08/10/2011
Decode For RegionID: Northwest Region
Decode For BrownID: Brownfield Site - DEQ Technical Assistance
Decode For Furtheract: Not reported
Decode For Investstat: Listed on the CRL/Inventory
Decode For Legislative: Not reported

Narrative:

NARR ID: 5753482
NARR Code: General Site Description
Created By: KDANA
Created Date: 08/10/2011
Updated By: KDANA
Updated Date: 08/22/2011
Decode for NarcdID: General Site Description
NARR Comments: The Oregon Rail Heritage Foundation is planning to build a Restoration Facility & Interpretation Center for three locomotives owned by the City of Portland. The triangular site, owned by TriMet, is bordered by a rail line to the north, SE Water Ave to the west, and the MLK Blvd / Grand Ave viaduct to the east. Environmental oversight of the project will be funded through an existing Intergovernmental Agreement between DEQ and TriMet. Construction is scheduled to begin in the fall of 2011, with completion in the summer of 2012.

NARR ID: 5753483
NARR Code: Hazardous Substance/Waste Types
Created By: KDANA
Created Date: 08/10/2011
Updated By: KDANA
Updated Date: 08/10/2011
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: The primary concern is believed to be methane, generated by decomposing wood waste at the site.

NARR ID: 5753484
NARR Code: Manner of Release
Created By: KDANA
Created Date: 08/10/2011
Updated By: KDANA
Updated Date: 08/10/2011
Decode for NarcdID: Manner of Release
NARR Comments: The Inman-Poulsen Lumber Company operated at the site for about 100 years (late 1880s to 1980) and disposed of wood wastes by filling in Stephens Slough, which extended from about Division Street to the Willamette River. The wood waste (mainly sawdust) extends from about 4 to 45 feet below ground surface at the site.

NARR ID: 5754537
NARR Code: Remedial Action
Created By: CHARMAN
Created Date: 03/06/2013
Updated By: CHARMAN
Updated Date: 03/06/2013
Decode for NarcdID: Remedial Action
NARR Comments: (CWH/CU 3/6/13) Remedial measures undertaken at site are as

OREGON RAIL HERITAGE FOUNDATION (Continued) **S111286601**

follows:1. Soil and Contaminated Media Management and Disposal During site development and construction, contaminated and uncontaminated media and soils were collected and managed to prevent unnecessary exposures. Based on the degree of contamination and in accordance with the CMMP, these materials were disposed or used as fill material at off-site location. Table 1 (attached) from the supplemental report, summarizes the amounts and locations where site media was taken. Contaminated soils were taken to the Subtitle D Hillsboro landfill. During pre-construction work, a total of 489 tons of contaminated soils from existing berms on the site were removed and taken to Hillsboro. During site development another 2,500 tons of contaminated soil was also taken to Hillsboro. As approved by DEQ, 3,000 cubic yards of soil from the site were also taken for cover at the former Shadybrook Landfill in Washington County.2. Building Construction Due to the extent of wood waste below the site, and to prevent potential building subsidence, several deep iron beam pilings were driven down through the wood waste to native alluvial gravels that are present at depths near 90 to100 feet bgs (on average). The building foundation was attached to the pilings, supporting the building above the wood waste.3. Methane Barrier and Venting System As part of the site construction, a spray-on low-permeability barrier was installed below the building foundation and flooring. A sub-slab gas collection system was installed below the low-permeable surface and consisted of porous base rock with horizontal perforated piping. All concrete joints, pipe fittings and electrical conduits were sealed to prevent gas escaping the collection system or entering interior building spaces. Sub-slab pipes were then connected to vertical vent riser pipes that were routed to the building roof. Together, these constitute a building vapor barrier with underlying passive vapor collection system. Any methane present below the building slab will be impeded by the barrier and routed to the vapor collection system for discharge above the building roof.During installation of the low-permeable membrane, subcontractors qualified to install the selected product (Liquid Boot), followed manufacturers specifications and practices, which included use of a carrier fabric with 6 overlapping seams, coupon sampling to ensure desired membrane thickness was applied, and smoke testing to check for leaks.Sampling ports are present in two of the vent riser pipes and in three sub-slab gas monitoring probes (SSPs) that are located at the northeast (SSP-3), east (SSP-2), and west (SSP-1) sides of the building. The piping system and monitoring points are detailed in drawing H102, provided in Appendix C of the Construction Completion Report.The methane monitoring schedule is provided in the Institutional Controls narrative.

NARR ID: 5754536
NARR Code: Institutional Control
Created By: CHARMAN
Created Date: 03/06/2013
Updated By: CHARMAN
Updated Date: 03/06/2013
Decode for NarcdID: Institutional Control
NARR Comments: As part of March 2013 Conditional No Further Action decision, site owners and operators are required to follow two site controls -A. All construction or ground disturbing activity needs to follow measures described in the Contaminated Management Plan (CMMP) approved by DEQ in November 2011.B. The methane mitigation system installed on the

OREGON RAIL HERITAGE FOUNDATION (Continued) **S111286601**

site needs to be maintained and periodic measurements need to be collected and reported to DEQ for the site records, as outlined below:Schedulefor Methane Monitoring 1. First Two years (Jan. 2013 Dec. 2014): Vent Risers and Sub-Slab Probes (SSPs) sampled twice yearly2. Years 3 to 5 (Jan. 2015 Dec. 2017): Once per year sampling based on first two years results3. Trigger Event requiring more frequent monitoring. Frequency of added monitoring to be determined by DEQ and property owners.If one or more SSPs show methane at 5 pbv or greater, combined with lower or no measurable methane in vent riser ports.Based on sampling, there may be requirements to continue methane monitoring beyond the 5-year timeframe outlined above. Alternatively, if methane measurements indicate that levels are below criteria established to prevent asphyxiation or explosive dangers in enclosed spaces, DEQ will work with owners/operators to discontinue methane controls and monitoring.

NARR ID: 5754538
NARR Code: Site History
Created By: CHARMAN
Created Date: 03/06/2013
Updated By: CHARMAN
Updated Date: 03/06/2013
Decode for NarcdID: Site History
NARR Comments: (CWH/CU 3/6/13) The ORHF site sits on top of fill in a portion of what was historically referred to as Stephens Slough, a 1,500-foot-long waterway that extended from the east bank of the river to SE Division Street in east Portland. In the late 1880s, the Inman-Poulsen Lumber Company operated a lumber mill along the south bank of Stephens Slough and soon after began to use wood waste materials from the mill to fill in the slough, also identified in Sanborn maps as Stephens Gulch. From approximately 1890 through 1954, the Inman-Poulsen Lumber Mill was one of the largest in the United States and included operations both on and west and southwest of the site. The ORHF site area itself was used for varying purposes that included cut timber storage area. The estimated area where wood waste fill underlies the site is shown in several reports for the site.The site was reportedly used as a telephone/utility pole storage yard from the mid-1920s to the 1970s. In addition, the site was identified as a Portland General Electric right-of-way between 1924 and 1969 and more recently was used for truck and trailer parking and construction equipment storage and staging.Various environmental investigations have been conducted on surrounding sites, with indications that the wood waste and surrounding perched groundwater may contain low concentrations of petroleum hydrocarbons, polynuclear aromatic hydrocarbons (PAHs), and volatile organic compounds (VOCs). The results of various investigations in the area suggest that such impacts may be broadly distributed due to uncontaminated and contaminated fill comprising the slough backfill material, with contributing impacts from various nearby known and suspected release sources.

Site Control:
Site Control #: 689
Control Number: 31
Begin Date: 01/01/2013
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: March 6, 2013

OREGON RAIL HERITAGE FOUNDATION (Continued) **S111286601**

Last Reviewed Date: 03/06/2013
Last Update By: CHARMAN
Last Updated Date: 03/06/2013
Site Comment: Methane barrier and subsurface collection system placed on site. Monitoring required under the schedule below and to be reported to DEQ.Schedulefor Methane Monitoring 1. First Two years (Jan. 2013 Dec. 2014): Vent Risers and Sub-Slab Probes (SSPs) sampled twice yearly2. Years 3 to 5 (Jan. 2015 Dec. 2017): Once per year sampling based on first two years results3. Trigger Event requiring more frequent monitoring. Frequency of added monitoring to be determined by DEQ and property owners.If one or more SSPs show methane at 5 pbv or greater, combined with lower or no measurable methane in vent riser ports.Based on sampling, there may be requirements to continue methane monitoring beyond the 5-year timeframe outlined above. Alternatively, if methane measurements indicate that levels are below criteria established to prevent asphyxiation or explosive dangers in enclosed spaces, DEQ will work with owners/operators to discontinue methane controls and monitoring.

Site Control #: 690
Control Number: 6
Begin Date: 03/06/2013
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: March 6, 2013
Last Reviewed Date: 03/06/2013
Last Update By: CHARMAN
Last Updated Date: 03/06/2013
Site Comment: All future site construction or other earth disturbing activities should apply measures described in the ORHF Contaminated Media Management Plan (CMMP) approved by DEQ in November 2011.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 08/10/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/10/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 08/22/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/10/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List

OREGON RAIL HERITAGE FOUNDATION (Continued) **S111286601**

Further Action: 0
Comments: Not reported

Action ID: 9440
Region: Northwestern Region
Complete Date: 03/08/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/12/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Letter Agreement
Further Action: 0
Comments: Not reported

Action ID: 9422
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/06/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Engineering Control
Further Action: 0
Comments: Methane mitigation system maintained with monitoring required beginning in January 2013. See CNFA Closure Memorandum for details.

Action ID: 9434
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/06/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Institutional Control
Further Action: 0
Comments: All future site construction or ground disturbing activities are subject to the Contaminated Media Management Plan (CMMP) approved by DEQ on November 2011.

Action ID: 9438
Region: Northwestern Region
Complete Date: 03/08/2013
Rank Value: Not reported
Cleanup Flag: True
Created Date: 03/06/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action

OREGON RAIL HERITAGE FOUNDATION (Continued) **S111286601**

Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: 0
Comments: CRL proposed as part of site CNFA closure and sent out for site owner and public comment in February 2013. No comments received.

Action ID: 9439
Region: Northwestern Region
Complete Date: 03/08/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/06/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: 0
Comments: Inventory listing proposed as part of site CNFA closure and sent out for site owner and public comment in February 2013. No comments received.

Action ID: 9411
Region: Northwestern Region
Complete Date: 03/08/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/18/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: No Further Action (Conditional)
Further Action: 0
Comments: Requires use of CMMP during ground/soil disturbing activities and ongoing methane control system monitoring.

CRL:
Facility ID: 5641
Location ID: 121456
Status Code: LIS
Facility Status: No Further Action (Conditional)
Lat/Long: 45.5078 / -122.6629

OR ENG CONTROL:
Site Control Sequence #: 689
Site Id: 5641
Control Sequence #: 31
Begin Date: 01/01/2013
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: March 6, 2013
Last Review Date: 03/06/2013
Last Updated By: CHARMAN
Last Updated Date: 03/06/2013
Group Sequence #: 8

OREGON RAIL HERITAGE FOUNDATION (Continued) **S111286601**

Control Code: BW
Control Description: Barrier wall
FK Type Code: 2
Group Code: SSB
Group Description: Subsurface Barriers
Type Code: E
Type Description: Engineering
Comments: Methane barrier and subsurface collection system placed on site. Monitoring required under the schedule below and to be reported to DEQ.Schedulefor Methane Monitoring 1. First Two years (Jan. 2013 Dec. 2014): Vent Risers and Sub-Slab Probes (SSPs) sampled twice yearly2. Years 3 to 5 (Jan. 2015 Dec. 2017): Once per year sampling based on first two years results3. Trigger Event requiring more frequent monitoring. Frequency of added monitoring to be determined by DEQ and property owners.If one or more SSPs show methane at 5 pbv or greater, combined with lower or no measurable methane in vent riser ports.Based on sampling, there may be requirements to continue methane monitoring beyond the 5-year timeframe outlined above. Alternatively, if methane measurements indicate that levels are below criteria established to prevent asphyxiation or explosive dangers in enclosed spaces, DEQ will work with owners/operators to discontinue methane controls and monitoring.

OR INSTUTIONAL CONTROL:
Site Control Sequence #: 690
Site Id: 5641
Control Sequence #: 6
Begin Date: 03/06/2013
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: March 6, 2013
Last Review Date: 03/06/2013
Last Updated By: CHARMAN
Last Updated Date: 03/06/2013
Group Sequence #: 2
Control Code: USO
Control Description: Use Restriction Other
FK Type Code: 1
Group Code: PR
Group Description: Proprietary
Type Code: I
Type Description: Institutional
Comments: All future site construction or other earth disturbing activities should apply measures described in the ORHF Contaminated Media Management Plan (CMMP) approved by DEQ in November 2011.

VCS:
ECS Site ID: 5641
Facility Size: 2.7 acres
Action: No Further Action (Conditional)
Start Date: 03/08/2013
End Date: 03/08/2013
Facility Status: Completed
Program: VCP
Latitude: 45.50780
Longitude: -122.6628

OREGON RAIL HERITAGE FOUNDATION (Continued) **S111286601**

OR BROWNFIELDS:
Geolocation Id: 121456
Status: No Further Action (Conditional)
Lat/Long: 45.5078 / -122.662

517
NW
1/4-1/2
0.476 mi.
2515 ft.

HEATING OIL TANK **OR LUST** **S104908101**
201 SE WASHINGTON **N/A**
PORTLAND, OR 97214

Relative:
Lower

Actual:
34 ft.

LUST:
Region: North Western Region
Facility ID: 26-01-5417
Cleanup Received Date: 03/10/2001
Cleanup Start Date: 03/10/2001
Cleanup Complete Date: 04/30/2001
Decode for Region: North West Region

DQ518
SSE
1/4-1/2
0.477 mi.
2518 ft.

HEATING OIL TANK **OR LUST** **S105856788**
1413 SE BIRCH AVENUE **N/A**
PORTLAND, OR 97214

Site 2 of 2 in cluster DQ

Relative:
Higher

Actual:
54 ft.

LUST:
Region: North Western Region
Facility ID: 26-03-0962
Cleanup Received Date: 05/16/2003
Cleanup Start Date: 05/19/2003
Cleanup Complete Date: 12/04/2003
Decode for Region: North West Region

519
NNE
1/4-1/2
0.477 mi.
2518 ft.

HEATING OIL TANK **OR LUST** **S104908013**
1336 SE PINE ST **N/A**
PORTLAND, OR 97214

Relative:
Higher

Actual:
106 ft.

LUST:
Region: North Western Region
Facility ID: 26-01-5293
Cleanup Received Date: 02/20/2001
Cleanup Start Date: 02/20/2001
Cleanup Complete Date: 03/28/2001
Decode for Region: North West Region

DR520
East
1/4-1/2
0.477 mi.
2518 ft.

HEATING OIL TANK
2011 SE MAIN ST
PORTLAND, OR 97214
Site 2 of 3 in cluster DR

OR LUST

S108572982
N/A

Relative:
Higher

Actual:
111 ft.

LUST:

Region:	North Western Region
Facility ID:	26-07-0413
Cleanup Received Date:	03/29/2007
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

521
East
1/4-1/2
0.479 mi.
2528 ft.

HEATING OIL TANK
2015 SE SALMON ST
PORTLAND, OR 97214

OR LUST

S110048102
N/A

Relative:
Higher

Actual:
120 ft.

LUST:

Region:	North Western Region
Facility ID:	26-09-0874
Cleanup Received Date:	09/10/2009
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**12/14/2009**
Decode for Region:	**North West Region**

DS522
ESE
1/4-1/2
0.479 mi.
2529 ft.

HEATING OIL TANK
1838 SE ELLIOT STREET
PORTLAND, OR 97214
Site 1 of 7 in cluster DS

OR LUST

S104657937
N/A

Relative:
Higher

Actual:
72 ft.

LUST:

Region:	North Western Region
Facility ID:	26-00-0385
Cleanup Received Date:	02/25/2000
Cleanup Start Date:	10/11/1999
Cleanup Complete Date:	**04/18/2000**
Decode for Region:	**North West Region**

DH523
West
1/4-1/2
0.480 mi.
2533 ft.

ODOT REGION 1
SE MADISON STREET BLOCK 11, TAX 1
PORTLAND, OR 97214
Site 3 of 3 in cluster DH

OR LUST
OR UST

U003603127
N/A

Relative:
Lower

Actual:
37 ft.

LUST:

Region:	North Western Region
Facility ID:	26-99-0180
Cleanup Received Date:	02/26/1999
Cleanup Start Date:	02/25/1999
Cleanup Complete Date:	**01/13/2000**
Decode for Region:	**North West Region**

ODOT REGION 1 (Continued) **U003603127**

UST:
- Facility ID: 11903
- Facility Telephone: (503) 931-8301
- Permittee Name: DOUGLAS G. MARSH, ENVIRONMENTAL SPECIALT
- Number of Permitted Tanks: Not reported
- Active Tanks: Not reported
- Decommissioned Tanks: 1
- Number of Tanks: 1

DE524 **HEATING OIL TANK** **OR LUST** **S102590040**
East **2023 SE MADISON** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.480 mi.
2535 ft. **Site 2 of 2 in cluster DE**

Relative:
Higher

Actual:
105 ft.

LUST:
- Region: North Western Region
- Facility ID: 26-97-0513
- Cleanup Received Date: 07/09/1997
- Cleanup Start Date: 07/02/1997
- **Cleanup Complete Date: 08/21/1997**
- **Decode for Region: North West Region**

---

525 **GROUNDWATER - SE 1ST AVE & STEPHENS ST** **OR ECSI** **1006854473**
SW **VICINITY OF SE 1ST & STEPHENS ST** **OR CRL** **N/A**
1/4-1/2 **PORTLAND, OR 97214** **FINDS**
0.481 mi. **ECHO**
2540 ft.

Relative:
Higher

Actual:
42 ft.

ECSI:
- State ID Number: 1556
- Brown ID: 0
- Study Area: False
- Region ID: 2
- Legislatve ID: 832
- Investigation: Listed on the CRL/Inventory
- FACA ID: 40209
- Further Action: 0
- Lat/Long (dms): 45 30 33.10 / -122 39 53.60
- County Code: 26.00
- Score Value: Not reported
- Cerclis ID: Not reported
- Township Coord.: 1.00
- Township Zone: S
- Range Coord: 1.00
- Range Zone: E
- Section Coord: 3
- Qtr Section: Not reported
- Tax Lots: Not reported
- Size: Not reported
- NPL: False
- Orphan: False
- Updated By: GWISTAR
- Update Date: 07/12/2007
- Created Date: 05/13/1994
- Decode For RegionID: Northwest Region

GROUNDWATER - SE 1ST AVE & STEPHENS ST (Continued) **1006854473**

Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: Listed on the CRL/Inventory
Decode For Legislative: Owner, operator or other party under state or federal authority
Alias Name: SE 1st Ave. & Caruthers

Hazardous Release:
Substance ID.: 121011
Haz Release ID: 384548
Qty Released: unknown
Date Released: unknown
Update Date: 09/11/1994
Update By: Not reported
Substance Code: 127-18-4
Substance Name: TETRACHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316912
Sub Alias Name: ETHENE,TETRACHLORO-
Substance Alias ID: 316913
Sub Alias Name: ETHYLENE TETRACHLORIDE
Substance Alias ID: 316914
Sub Alias Name: PERCHLOROETHYLENE
Substance Alias ID: 316915
Sub Alias Name: PERCLENE
Substance Alias ID: 316916
Sub Alias Name: TETRACHLOROETHENE
Substance Alias ID: 316917
Sub Alias Name: TETRACHLOROETHENE,1,1,2,2-
Substance Alias ID: 316918
Sub Alias Name: TETRACHLOROETHYLENE,1,1,2,2-
Sampling Result ID: 344996
Feature Id: Not reported
Hazard Release Id: 384548
Medium: 698
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False

GROUNDWATER - SE 1ST AVE & STEPHENS ST (Continued) **1006854473**

Lab Data: True
Sample Depth: Not reported
Start Date: 10/13/1987
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 73 ppb
Last Update By: gmw
Update Date: 05/26/1995
Decode for MediumID: Groundwater

Substance ID.: 121781
Haz Release ID: 384549
Qty Released: unknown
Date Released: unknown
Update Date: 09/11/1994
Update By: Not reported
Substance Code: 79-01-6
Substance Name: TRICHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8523
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8545
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8523
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8545
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317517
Sub Alias Name: ETHINYL TRICHLORIDE
Substance Alias ID: 317518
Sub Alias Name: ETHYLENE TRICHLORIDE
Substance Alias ID: 317519
Sub Alias Name: TCE
Substance Alias ID: 317520
Sub Alias Name: TRI-CLENE
Substance Alias ID: 317521
Sub Alias Name: TRICHLOROETHENE
Sampling Result ID: 344997
Feature Id: Not reported
Hazard Release Id: 384549
Medium: 698
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False

GROUNDWATER - SE 1ST AVE & STEPHENS ST (Continued) **1006854473**

Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 10/13/1987
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 23 ppb
Last Update By: gmw
Update Date: 05/26/1995
Decode for MediumID: Groundwater

Narrative:

NARR ID: 5734134
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Contamination
NARR Comments: As part of the now completed PCB cleanup at PGE Station L (ECSI #151), which is the current location of the Oregon Museum of Science and Industry (OMSI), PGE's contractor installed two off-site and upgradient monitoring wells. Sampling of these wells in 1987 showed dissolved PCE at 73 ppb and TCE at 23 ppb. By 1990, these wells, located on property owned by the East Portland Traction Company, had disappeared, and PGE's contractor installed another upgradient well, this time on PGE/OMSI property. 1993 sampling of this well showed PCE at 41 ppb and TCE at 5.4 ppb. Groundwater locally flows towards the Willamette River. There is no known source for the VOCs found in these wells. One of the wells was thought to have been on land sold by the East Portland Traction Co. to Portland Community College (PCC); however, a 1995 survey by PCC showed that no wells had been installed on what is now PCC property.

NARR ID: 5734135
NARR Code: Site Location
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Site Location
NARR Comments: adjacent to Southern Pacific Transportation Co line

NARR ID: 5734136
NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release
NARR Comments: Manner and time of release are unknown.

NARR ID: 5734137
NARR Code: Media Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported

GROUNDWATER - SE 1ST AVE & STEPHENS ST (Continued) **1006854473**

Updated Date: 12/17/2002
Decode for NarcdID: Media Contamination
NARR Comments: Contaminants found in monitoring wells installed upgradient of former PGE Station L site.

NARR ID: 5734138
NARR Code: Pathways Other Hazards
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Groundwater contamination represents the pathway of greatest concern, based on the unknown source(s) and extent of the plume.

NARR ID: 5734139
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Remedial Action
NARR Comments: Chlorinated solvents have been detected in groundwater only at the upgradient edge of the former PGE Station L property and in two off-site, upgradient wells. Therefore, the plume of VOCs may be of limited extent and may have originated on or near Portland Traction Company's right-of-way. Site Assessment recommends that property owner/operators determine the present extent and magnitude of the groundwater plume, and investigate its source. Further DEQ action warrants a low-to-medium priority.

Administrative Action:
Action ID: 9448
Region: Headquarters
Complete Date: 09/18/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Review for final listing
Further Action: Not reported
Comments: Not reported

Action ID: 9488
Region: Headquarters
Complete Date: 09/18/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Listing on Confirmed Release List recommended
Further Action: Not reported

GROUNDWATER - SE 1ST AVE & STEPHENS ST (Continued) **1006854473**

Comments: Not reported

Action ID: 9489
Region: Headquarters
Complete Date: 09/18/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Listing on Inventory recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9438
Region: Headquarters
Complete Date: 09/20/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: Not reported
Comments: Not reported

Action ID: 9439
Region: Headquarters
Complete Date: 09/20/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: Not reported
Comments: Not reported

Action ID: 9424
Region: Headquarters
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

GROUNDWATER - SE 1ST AVE & STEPHENS ST (Continued) **1006854473**

Action ID: 9451
Region: Headquarters
Complete Date: 09/20/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Owner/operator comments received on listing notification
Further Action: Not reported
Comments: letter from Geo Engineers dated May 3, 1995

Action ID: 9508
Region: Headquarters
Complete Date: 05/14/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: Not reported
Comments: Not reported

Action ID: 9425
Region: Northwestern Region
Complete Date: 10/27/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Action ID: 9501
Region: Northwestern Region
Complete Date: 10/27/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Remedial Action recommended (RA)
Further Action: Not reported
Comments: Not reported

Action ID: 9437

GROUNDWATER - SE 1ST AVE & STEPHENS ST (Continued) **1006854473**

Region: Northwestern Region
Complete Date: 10/28/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: Not reported
Comments: Not reported

Action ID: 9498
Region: Northwestern Region
Complete Date: 10/28/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9465
Region: Headquarters
Complete Date: 12/05/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: Not reported
Comments: Not reported

Action ID: 9428
Region: Headquarters
Complete Date: 03/06/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Extension requested by owner/operator
Further Action: Not reported
Comments: Requested by Lynne Perry, Portland Community College

Action ID: 9430
Region: Headquarters

GROUNDWATER - SE 1ST AVE & STEPHENS ST (Continued) **1006854473**

Complete Date: 03/06/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Petition or request granted
Further Action: Not reported
Comments: Not reported

Operations:
Operation Id: 132885
Operation Status: Inactive
Common Name: Groundwater - SE 1st & Stephens ST
Yrs of Operation: unknown
Comments: former railroad right-of-way (Portland Traction Co)
Updated Date: 11/09/1994
Updated By: ars
Decode for OpstatID: Inactive

CRL:
Facility ID: 1556
Location ID: 40209
Status Code: LIS
Facility Status: Remedial Action recommended (RA)
Lat/Long: 45.5092 / -122.6649

FINDS:

Registry ID: 110014167061

Environmental Interest/Information System
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

ECHO:
Envid: 1006854473
Registry ID: 110014167061
FIPS Code: 41051
EPA Region: 10
Indian Country Flag: N
Federal Flag: Not reported
US Mexico Border Flag: Not reported
Chesapeake Bay Flag: Not reported
NAA Flag: Not reported
Latitude: 45.5092
Longitude: -122.6649
Map Icon: NONE-UNK-MN-N.png
Collection Method: Not reported

GROUNDWATER - SE 1ST AVE & STEPHENS ST (Continued) **1006854473**

Reference Point:	Not reported
Accuracy Meters:	17430
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	170900120202
Derived STCT FPS:	41051
Derived Zip:	97214
Derived CD113:	03
Derived CB2010:	410510011011163
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	Not reported
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	Not reported
Programs in SNC:	0
Curr Compliance Status:	Not reported
Curr SNC Flag:	N
3yr Compliance Status:	Not reported
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported

GROUNDWATER - SE 1ST AVE & STEPHENS ST (Continued) **1006854473**

CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	Not reported
RCRA Permit Types:	Not reported
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	Not reported
RCRA Curr Compliance Status:	Not reported
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	Not reported
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110014167061
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported

GROUNDWATER - SE 1ST AVE & STEPHENS ST (Continued) **1006854473**

Facility IMP Water Flag: Not reported

DR526 **HEATING OIL TANK** **OR LUST** **S106777151**
East **2021 SE MAIN ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.482 mi.
2543 ft. **Site 3 of 3 in cluster DR**

Relative:
Higher

Actual:
112 ft.

LUST:
Region: North Western Region
Facility ID: 26-04-1676
Cleanup Received Date: 08/19/2004
Cleanup Start Date: 08/19/2004
Cleanup Complete Date: Not reported
Decode for Region: North West Region

---

527 **HEATING OIL TANK** **OR LUST** **S106776796**
NW **437 SE MLK JR BLVD** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.482 mi.
2547 ft.

Relative:
Lower

Actual:
41 ft.

LUST:
Region: North Western Region
Facility ID: 26-04-1201
Cleanup Received Date: 06/25/2004
Cleanup Start Date: 06/25/2004
Cleanup Complete Date: 01/13/2005
Decode for Region: North West Region

DP528 **HEATING OIL TANK** **OR LUST** **S111332526**
SE **2031 SE LADD AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.484 mi.
2553 ft. **Site 3 of 5 in cluster DP**

Relative:
Higher

Actual:
60 ft.

LUST:
Region: North Western Region
Facility ID: 26-11-0739
Cleanup Received Date: 07/22/2011
Cleanup Start Date: Not reported
Cleanup Complete Date: 12/16/2011
Decode for Region: North West Region

DT529
WSW
1/4-1/2
0.485 mi.
2560 ft.

UNION PACIFIC RR - PORTLAND TRACTION CO
1640 SE WATER AVE
PORTLAND, OR 97214

Site 1 of 2 in cluster DT

OR LUST **U000432749**
OR UST **N/A**

Relative:
Lower

Actual:
38 ft.

LUST:

Region:	North Western Region
Facility ID:	26-90-0438
Cleanup Received Date:	07/26/1991
Cleanup Start Date:	11/13/1990
Cleanup Complete Date:	**02/29/1992**
Decode for Region:	**North West Region**

UST:

Facility ID:	8313
Facility Telephone:	(402) 271-4638
Permittee Name:	JOHN STEWART, ENVIRONMENTAL ENGINEER
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	1
Number of Tanks:	1

DU530
SE
1/4-1/2
0.486 mi.
2568 ft.

HEATING OIL TANK
1811 SE HARRISON ST
PORTLAND, OR 97214

Site 1 of 2 in cluster DU

OR LUST **S113668976**
N/A

Relative:
Higher

Actual:
65 ft.

LUST:

Region:	North Western Region
Facility ID:	26-13-0350
Cleanup Received Date:	03/29/2013
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**08/20/2013**
Decode for Region:	**North West Region**

531
East
1/4-1/2
0.488 mi.
2575 ft.

HEATING OIL TANK
2038 SE MADISON ST
PORTLAND, OR 97214

OR LUST **S117365416**
N/A

Relative:
Higher

Actual:
107 ft.

LUST:

Region:	North Western Region
Facility ID:	26-14-1103
Cleanup Received Date:	08/14/2014
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**02/25/2015**
Decode for Region:	**North West Region**

DP532 **HEATING OIL TANK** **OR LUST** **S102959520**
SE **2042 SE LADD** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.489 mi.
2581 ft. **Site 4 of 5 in cluster DP**

Relative:
Higher

Actual:
60 ft.

LUST:

Region:	North Western Region
Facility ID:	26-97-0824
Cleanup Received Date:	11/04/1997
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**04/29/2008**
Decode for Region:	**North West Region**

DS533 **HEATING OIL TANK** **OR LUST** **S105154249**
ESE **1825 SE LOCUST AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.489 mi.
2582 ft. **Site 2 of 7 in cluster DS**

Relative:
Higher

Actual:
76 ft.

LUST:

Region:	North Western Region
Facility ID:	26-01-8344
Cleanup Received Date:	11/05/2001
Cleanup Start Date:	11/01/2001
Cleanup Complete Date:	**12/28/2001**
Decode for Region:	**North West Region**

DS534 **HEATING OIL TANK** **OR LUST** **S111005252**
ESE **1823 SE LOCUST AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.489 mi.
2584 ft. **Site 3 of 7 in cluster DS**

Relative:
Higher

Actual:
77 ft.

LUST:

Region:	North Western Region
Facility ID:	26-11-0081
Cleanup Received Date:	02/01/2011
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**05/03/2011**
Decode for Region:	**North West Region**

DS535 **HEATING OIL TANK** **OR LUST** **S105076008**
ESE **1819 SE LOCUST ST** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.490 mi.
2588 ft. **Site 4 of 7 in cluster DS**

Relative:
Higher

Actual:
78 ft.

LUST:

Region:	North Western Region
Facility ID:	26-01-6302
Cleanup Received Date:	06/27/2001
Cleanup Start Date:	06/27/2001
Cleanup Complete Date:	**01/04/2002**
Decode for Region:	**North West Region**

DV536
North
1/4-1/2
0.490 mi.
2588 ft.

HULME, ROBERT H
221 SE 11TH AVE
PORTLAND, OR 97214

Site 1 of 2 in cluster DV

OR LUST **U000432699**
OR UST **N/A**

Relative:
Higher

Actual:
92 ft.

LUST:

Region:	North Western Region
Facility ID:	26-91-0103
Cleanup Received Date:	03/06/1991
Cleanup Start Date:	03/06/1991
Cleanup Complete Date:	**03/18/1992**
Decode for Region:	**North West Region**

UST:

Facility ID:	3597
Facility Telephone:	(503) 234-6280
Permittee Name:	ROBERT H HULME, OWNER
Number of Permitted Tanks:	Not reported
Active Tanks:	Not reported
Decommissioned Tanks:	4
Number of Tanks:	4

537
NNW
1/4-1/2
0.491 mi.
2592 ft.

HEATING OIL TANK
234 SE 7TH
PORTLAND, OR 97214

OR LUST **S104907907**
OR HAZMAT **N/A**

Relative:
Higher

Actual:
68 ft.

LUST:

Region:	North Western Region
Facility ID:	26-01-5130
Cleanup Received Date:	01/23/2001
Cleanup Start Date:	01/23/2001
Cleanup Complete Date:	**03/22/2001**
Decode for Region:	**North West Region**

HAZMAT:

Responsble Party:	UNKNOWN
RP Company:	Not reported
RP Address:	Not reported
RP City,St,Zip:	Not reported
Facility ID:	990306
OERS Number:	Not reported
Dept Rsp:	PORTLAND BUREAU OF F&R&EMS
Narrative:	Not reported
Property Loss:	Not reported
Amount Released:	Not reported
Service County:	Not reported
Service Name:	Not reported
Incident Type:	Not reported
Civilian Casualty Activity:	Not reported
Chemical Name:	Not reported
Hazmat Area Affected:	Not reported
Hazmat Area Evacuated:	Not reported
Hazmat Container Type:	Not reported
Hazmat Physical State Released:	Not reported
Hazmat Released Into:	Not reported
Hazmat Released Volume Units:	Not reported

HEATING OIL TANK (Continued) **S104907907**

Hazmat Released Weight Units:	Not reported
Hazmat Released From:	Not reported
Hazmat Area Affected Measurement:	Not reported
Hazmat No. of People Evacuated:	Not reported
Hazmat No of Buildings Evacuated:	Not reported
Incident Content Loss:	Not reported
Civilian Casualty Patient Disposition:	Not reported
Incident Mixed Use Property:	Not reported
Location Type:	Not reported
Incident Aid Given Or Received:	Not reported
Incident AID Received from FDID:	Not reported
Incident Aided Department FDID:	Not reported
Person Involved Business Name:	Not reported
Person Involved First Name:	Not reported
Person Involved Last Name:	Not reported
Person Involved Type:	Not reported
Person Involved Phone Number:	Not reported
Person Involved Primary Language:	Not reported
Hazmat Evacuated Measurement:	Not reported
Hazmat Story of Release:	Not reported
Remark:	Not reported
Incident District:	PORTLAND BUREAU OF F&R&EMS
Date Added:	01/01/1985
Unit:	Not reported
Agency Phone:	5038233830
Osfm Incident Report Number:	990306
Dept. Responding:	PORTLAND BUREAU OF F&R&EMS
Person Making Report:	JM
Title:	LT
Agency:	PORTLAND BUREAU OF F&R&EMS
Phone:	5038233830
Date Of Incident:	04/30/1999
Call Time:	4:55:00 PM
In Route:	Not reported
Arrival:	4:59:00 PM
Depart Scene:	12:00:00 AM
Back In Quarters:	12:00:00 AM
In Service:	5:34:00 PM
Dist Of Incident:	PORTLAND BUREAU OF F&R&EMS
Were State Resources Used?:	False
Was Oers Notified?:	False
Oers Number:	Not reported
Team Number:	Not reported
Agency Report Number:	99-018035
Unit:	Not reported
Highway:	Not reported
Mile Post:	Not reported
Scene Type:	Public Structure
Area Type:	Industrial
Responsible Party(Ies):	UNKNOWN
Company:	Not reported
Respcontact:	Not reported
Address:	Not reported
Resp City:	Not reported
Resp State:	Not reported
Resp ZipCode:	Not reported
Phone:	Not reported

HEATING OIL TANK (Continued) **S104907907**

Resp Phone2:	Not reported
Weather:	0
Temperature:	0
Wind Speed:	0
Wind Direction:	Not reported
Were Haz Materials Released?:	True
Operation Performed:	Not reported
Cause:	Unknown
Vehicle And Cargo:	0
Fixed Property:	0
Total Loss:	$0.00
Hazmat Population Density:	Not reported
HazMat Actions Taken - Description:	Not reported
Hazmat Factors Contributing To Release:	Not reported
Hazmat DOT Hazard Classification:	Not reported
Hazmat CAS Number:	Not reported
Hazardous Materials Release:	Not reported
Fire Incident Type:	Not reported
Property Use:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Hazmat Disposition:	Not reported

Chemical:

Chemical Info:	8732
Chemical Id:	35430
Incident Id:	990306
Chemical Name:	UNKNOWN CHEMICAL
UNNA:	Not reported
Amount At Risk:	0
Amount Released:	0
Amount Measured:	0
Biological:	False
Radiological:	False

Chemical Id:	35430
Chemical Name:	UNKNOWN CHEMICAL
Hazardous Ingredient:	UNKNOWN CHEMICAL
Hazardous Class 1:	9.0
Hazardous Class 2:	Not reported
Hazardous Rank:	2
Case Number:	Not reported
UNNA Number:	Not reported
EPA Pest Reg:	Not reported
EHA Chem:	Not reported
PSM Chem:	Not reported
CAA 112R Chem:	Not reported

Released:

Release Behavior Id:	2260
Incident Id:	990306
Behavior:	1

Narrative:

Narrative Id:	7619
Incident Id:	990306

Incident Narrative:E-1 WAS CALLED TO THE SCENE OF A DAY CARE CENTER LOCATED AT 234 SE

HEATING OIL TANK (Continued) **S104907907**

7TH. OCCUPANTS INCLUDED WERE CHILDREN UNDER AGE 6 AND 10 ADULTS. OCCUPANTS COMPLAINED OF IRRITATING FUMES ENTERING THE STRUCTURE THROUGH OPEN WINDOW. E-1 ARRIVED AND INVESTIGATED. ONE ROOM HAD SOME TYPE OF SUBSTANCE OR GAS THAT IRRITATE THE RESPIRATORY TRACT BUT HAD NO SMELL. ALL OCCUPANTS WERE EVACUATED OUTSIDE INTO FRESH AIR. T-1 RESPONDED AND PROVIDED FANS FOR VENTILATION OF THE ENTIRE STRUCTURE. HM-41 WAS NOTIFIED BUT WERE NOT REQUESTED TO RESPOND. AN INVESTIGATION WAS CONDUCTED IN THE VICINITY TO TRY AND IDENTIFY A POSSIBLE SOURCE. ONE POSSIBILITY WAS AN INDUSTRIAL OCCUPANCY AT 436 SE 6TH KNOWN AS OREGON PLATING CO. THIS OCCUPANT WAS CLOSED UP FOR THE DAY AT 1230. BUT NEIGHBORS STATED IT WAS OPEN AT THE TIME OF THE INCIDENT. ALL OCCUPANTS OF THE BUILDING (DAY CARE) WERE OKAY AFTER REMOVAL TO FRESH AIR. THERE WERE NO RESIDUAL FUMES AFTER VENTILATION. CONTACT PERSON WAS TRINA GHERE THE HEAD TEACHER. NOTE: THE PLATING CO WAS DIRECTLY UPWIND OF THE DAY CARE CENTER AND HAS AN NFPA 704 PLACARD OF 3-0-2-OXY.

Incident Date: 4/30/1999

DP538 **HEATING OIL TANK** **OR LUST** **S105463809**
SE **2047 SE LADD AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.491 mi.
2593 ft. **Site 5 of 5 in cluster DP**

Relative:
Higher

Actual:
60 ft.

LUST:

Region:	North Western Region
Facility ID:	26-02-5687
Cleanup Received Date:	04/18/2002
Cleanup Start Date:	04/18/2002
Cleanup Complete Date:	**07/15/2002**
Decode for Region:	**North West Region**

DS539 **HEATING OIL TANK** **OR LUST** **S104024206**
ESE **1813 SE LOCOST AVE** **N/A**
1/4-1/2 **PORTLAND, OR 97214**
0.491 mi.
2593 ft. **Site 5 of 7 in cluster DS**

Relative:
Higher

Actual:
79 ft.

LUST:

Region:	North Western Region
Facility ID:	26-99-1009
Cleanup Received Date:	09/07/1999
Cleanup Start Date:	08/07/1999
Cleanup Complete Date:	**09/21/1999**
Decode for Region:	**North West Region**

DU540
SE
1/4-1/2
0.493 mi.
2604 ft.

HEATING OIL TANK
2019 SE CYPRESS AVE
PORTLAND, OR 97214

Site 2 of 2 in cluster DU

OR LUST **S109494138**
N/A

Relative:
Higher

Actual:
62 ft.

LUST:
Region: North Western Region
Facility ID: 26-08-1493
Cleanup Received Date: 12/08/2008
Cleanup Start Date: Not reported
Cleanup Complete Date: Not reported
Decode for Region: North West Region

DS541
ESE
1/4-1/2
0.494 mi.
2607 ft.

HEATING OIL TANK
1801 SE LOCUST
PORTLAND, OR 97214

Site 6 of 7 in cluster DS

OR LUST **S106475278**
N/A

Relative:
Higher

Actual:
82 ft.

LUST:
Region: North Western Region
Facility ID: 26-04-0214
Cleanup Received Date: 02/19/2004
Cleanup Start Date: 02/19/2004
Cleanup Complete Date: 06/04/2004
Decode for Region: North West Region

DV542
North
1/4-1/2
0.495 mi.
2615 ft.

HEATING OIL TANK
1030 SE ASH
PORTLAND, OR 97214

Site 2 of 2 in cluster DV

OR LUST **S103839199**
N/A

Relative:
Higher

Actual:
88 ft.

LUST:
Region: North Western Region
Facility ID: 26-99-0542
Cleanup Received Date: 05/27/1999
Cleanup Start Date: Not reported
Cleanup Complete Date: Not reported
Decode for Region: North West Region

DO543
East
1/4-1/2
0.495 mi.
2616 ft.

HEATING OIL TANK
1550 SE 20TH AVE
PORTLAND, OR 97214

Site 3 of 3 in cluster DO

OR LUST **S109346984**
N/A

Relative:
Higher

Actual:
102 ft.

LUST:
Region: North Western Region
Facility ID: 26-08-1128
Cleanup Received Date: 09/03/2008
Cleanup Start Date: Not reported
Cleanup Complete Date: 11/05/2008
Decode for Region: North West Region

544
ENE
1/4-1/2
0.497 mi.
2623 ft.

HEATING OIL TANK
711 SE 19TH AVE
PORTLAND, OR 97214

OR LUST

S117880932
N/A

Relative:
Higher

Actual:
121 ft.

LUST:

Region:	North Western Region
Facility ID:	26-15-0048
Cleanup Received Date:	01/16/2015
Cleanup Start Date:	Not reported
Cleanup Complete Date:	**Not reported**
Decode for Region:	**North West Region**

DS545
ESE
1/4-1/2
0.498 mi.
2629 ft.

HEATING OIL TANK
1914 SE HEMLOCK AVE
PORTLAND, OR 97214

Site 7 of 7 in cluster DS

OR LUST

S108834668
N/A

Relative:
Higher

Actual:
71 ft.

LUST:

Region:	North Western Region
Facility ID:	26-07-0215
Cleanup Received Date:	02/21/2007
Cleanup Start Date:	02/21/2007
Cleanup Complete Date:	**10/23/2007**
Decode for Region:	**North West Region**

DT546
WSW
1/2-1
0.501 mi.
2643 ft.

OMSI
1701 SE WATER AVE
PORTLAND, OR 97214

Site 2 of 2 in cluster DT

OR ECSI
OR LUST
OR UST
OR VCP
OR BROWNFIELDS
OR UIC

U004015153
N/A

Relative:
Lower

Actual:
37 ft.

ECSI:

State ID Number:	5547
Brown ID:	Brownfield Site - DEQ Tech Assistance
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	No Further Action
FACA ID:	119364
Further Action:	0
Lat/Long (dms):	45 30 38.20 / -122 39 57.60
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	3
Qtr Section:	Not reported
Tax Lots:	R504933 Lot 101
Size:	Not reported
NPL:	False
Orphan:	False

OMSI (Continued) **U004015153**

Updated By: SRAPP
Update Date: 03/12/2014
Created Date: 03/11/2011
Decode For RegionID: Northwest Region
Decode For BrownID: Brownfield Site - DEQ Technical Assistance
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action
Decode For Legislative: Not reported

Narrative:
NARR ID: 5753011
NARR Code: Contamination
Created By: RWELLS
Created Date: 03/11/2011
Updated By: GWISTAR
Updated Date: 05/20/2013
Decode for NarcdID: Contamination
NARR Comments: Heavy metals and PCBs in sediment from on-site drywell;petroleum hydrocarbons and heavy metals in shallow soil.

NARR ID: 5753010
NARR Code: General Site Description
Created By: RWELLS
Created Date: 03/11/2011
Updated By: RWELLS
Updated Date: 06/28/2011
Decode for NarcdID: General Site Description
NARR Comments: Previous environmental sampling at the site identified heavy metals and PCBs in sediment collected from an on-site drywell, elevated heavy metals in shallow soil along the western perimeter, and low level petroleum hydrocarbons and associated constituents in shallow soil collected from below a removed building.Groundwater at the property was slightly impacted by leaking USTs located adjacent to the east and up gradient from the site. Groundwater remediation activities were conducted at the east-adjacent site and subsequently issued an NFA. Groundwater sampling conducted at the subject property since the cleanup has not verified if petroleum hydrocarbons were still present in groundwater.

NARR ID: 5753012
NARR Code: Hazardous Substance/Waste Types
Created By: RWELLS
Created Date: 03/11/2011
Updated By: RWELLS
Updated Date: 03/11/2011
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Heavy metals, PCBs, petroleum hydrocarbons

NARR ID: 5753009
NARR Code: Site Ownership
Created By: RWELLS
Created Date: 03/11/2011
Updated By: GWISTAR
Updated Date: 05/20/2013
Decode for NarcdID: Site Ownership
NARR Comments: Portland Development Commission PDC) until 2013, when PDC transferred the site to the Oregon Museum of Science & Industry.

OMSI (Continued) **U004015153**

NARR ID: 5753043
NARR Code: Remedial Action
Created By: GWISTAR
Created Date: 03/16/2011
Updated By: RWELLS
Updated Date: 06/28/2011
Decode for NarcdID: Remedial Action
NARR Comments: (3/11/11 RWA/VCP) Portland Development Commission (PDC) owns this parcel and expects to perform a Source Control Evaluation of the property. PDC's objective is to obtain a DEQ no-further-action determination prior to a property transfer to Portland Parks Bureau, which intends to develop this site into a future Crescent Park.

NARR ID: 5754689
NARR Code: 1922
Created By: GWISTAR
Created Date: 05/20/2013
Updated By: GWISTAR
Updated Date: 05/20/2013
Decode for NarcdID: Current Site Summary Statement
NARR Comments: [May 2013] DEQ's investigation and site-specific risk assessment for park users indicated that no remediation was required for current or likely future uses. DEQ has also found that the site is not a likely source of contaminants to the Willamette River. The Portland Development Commission has transferred site ownership to OMSI.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 03/11/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/11/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9484
Region: Northwestern Region
Complete Date: 05/20/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/11/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: 0
Comments: PDC owns the parcel and would like to perform a Source Control Evaluation of the property with the goal to obtain a NFA from DEQ prior to property transfer to City Parks department who intend to develop this site into a future crescent park.

OMSI (Continued) **U004015153**

Action ID: 9440
Region: Northwestern Region
Complete Date: 03/16/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/07/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Letter Agreement
Further Action: Medium
Comments: Not reported

Action ID: 9443
Region: Northwestern Region
Complete Date: 05/20/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/20/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Investigation and site specific risk assessment for park users indicated that no remediation was required for current and likely future uses. Also found to not likely be a source of contaminants to Willamette. Transfered to OMSI ownership from PDC.

Action ID: 9523
Region: 0
Complete Date: 05/20/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/12/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Remedial Action
Action Code Flag: False
Action: SCD
Further Action: 0
Comments: Not reported

LUST:
Region: North Western Region
Facility ID: 26-89-0318
Cleanup Received Date: 12/12/1989
Cleanup Start Date: 12/12/1989
Cleanup Complete Date: 03/09/1990
Decode for Region: North West Region

UST:
Facility ID: 850
Facility Telephone: (503)266-5622

OMSI (Continued) **U004015153**

Permittee Name: FRED LAMOUREAUX, GENERAL MANAGER
Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 14
Number of Tanks: 14

VCS:
ECS Site ID: 5547
Facility Size: Not reported
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 05/20/2013
End Date: 05/20/2013
Facility Status: Completed
Program: VCP
Latitude: 45.51059
Longitude: -122.666

OR BROWNFIELDS:
Geolocation Id: 119364
Status: NO FURTHER STATE ACTION REQUIRED
Lat/Long: 45.5106 / -122.666

OR UIC:
UIC Well #: 1
Type: 5D2
Type Description: Storm Water Drainage
Status: Active
UIC Number: 14631
Facility Status: Closure review
Lat/Long: 45.510345 / -122.6670

UIC Well #: 2
Type: 5W10
Type Description: Cesspools
Status: Closure Under Review
UIC Number: 14631
Facility Status: Closure review
Lat/Long: 45.510345 / -122.6670

547
WSW
1/2-1
0.523 mi.
2764 ft.

PGE - STATION L
1841 SE WATER AVE.
PORTLAND, OR 97214

OR ECSI **S103841474**
OR CRL **N/A**
OR ENG CONTROLS
OR BROWNFIELDS

Relative:
Lower

Actual:
36 ft.

ECSI:
State ID Number: 151
Brown ID: Brownfield Site - DEQ Tech Assistance
Study Area: False
Region ID: 2
Legislatve ID: 831
Investigation: Listed on the CRL/Inventory
FACA ID: 3232
Further Action: 0
Lat/Long (dms): 45 30 25.90 / -122 39 55.80
County Code: 26.00

PGE - STATION L (Continued) **S103841474**

Score Value: Not reported
Cerclis ID: 007909054
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 3
Qtr Section: Not reported
Tax Lots: 21, 69
Size: 27.75 acres
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 09/20/2005
Created Date: 04/26/1988
Decode For RegionID: Northwest Region
Decode For BrownID: Brownfield Site - DEQ Technical Assistance
Decode For Furtheract: Not reported
Decode For Investstat: Listed on the CRL/Inventory
Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420
Alias Name: Portland General Electric - Station L
Alias Name: OMSI

Hazardous Release:
Substance ID.: 120908
Haz Release ID: 382863
Qty Released: unknown
Date Released: Possibly over time from mid 1930s to 1970s.
Update Date: 04/26/1988
Update By: Not reported
Substance Code: 11096-82-5
Substance Name: PCB 1260
Substance Abbrev.: Not reported
Substance Category ID: 8496
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8557
Substance Category: PCB Substances for the OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8496
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8557
Substance Category: PCB Substances for the OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316557
Sub Alias Name: AROCHLOR 1260
Substance Alias ID: 316558
Sub Alias Name: AROCLOR 1260

PGE - STATION L (Continued) **S103841474**

Comment ID: 303070
Release Code: Data Sources
Release Comments: SRS project manager files
Decode for Relcomcd: Data Sources
Comment ID: 303071
Release Code: Media Contamination Footnote
Release Comments: also contaminated are various structures on site
Decode for Relcomcd: Media Contamination Footnote
Sampling Result ID: 345041
Feature Id: Not reported
Hazard Release Id: 382863
Medium: 701
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 1,150 ppm
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Sediment
Sampling Result ID: 346025
Feature Id: Not reported
Hazard Release Id: 382863
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 6,840 ppm
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Soil

Narrative:
NARR ID: 5730652
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Contamination
NARR Comments: (1/17/1996 JAK/SRS) Several areas on the site were used for the storage of electrical equipment. PCB oils were generally used in electrical equipment from the mid-1930s to the 1970s. Soils, various structures on-site, and Willamette River sediments are known to be contaminated with PCBs. This contamination was likely to have

PGE - STATION L (Continued) **S103841474**

occurred from releases of oil from transformers.

NARR ID: 5730653
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: PCBs, heavy metals, BTEX, PAHs

NARR ID: 5730654
NARR Code: Site Location
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Site Location
NARR Comments: Site of new OMSI facility, plus 10 acres to south.

NARR ID: 5730655
NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release
NARR Comments: Releases from electrical equipment containing PCB oils, likely between mid-1930s to 1970s.

NARR ID: 5730656
NARR Code: Media Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Media Contamination
NARR Comments: Remediation of river sediments completed.

NARR ID: 5730657
NARR Code: Site Ownership
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Site Ownership
NARR Comments: Inman - Poulsen Lumber Co., OWP, PRI, closed 1954

NARR ID: 5730658
NARR Code: Project Activity Status
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Project Activity Status
NARR Comments: ROD for No Further Action issued 9/26/94. Phase II: Sediment cap inspection and monitoring to be conducted every 5 years for next 25

PGE - STATION L (Continued) **S103841474**

years.

NARR ID: 5730659
NARR Code: Pathways Other Hazards
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: There is soil & river sediment contaminated with PCBs.

NARR ID: 5730660
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Remedial Action
NARR Comments: (1/17/1996 JAK/SRS) River sediment remediation, including dredging and capping, was conducted from July 1990 to January 1991. Maximum residual concentration of PCBs in sediment is approximately 21 ppm, with an average concentration of 8 ppm. The multi-layer cap was constructed with sand, gravel, and riprap to a thickness of greater than 6 feet. DEQ issued a Certificate of Completion for the sediment cleanup in April 1991. Monitoring of the sediment cap ongoing through 2020. Upland investigation (Phase III) for hazardous substance releases anywhere on the 28-acre site completed. DEQ issued a Certificate of Completion for this phase in November 1993. A Record of Decision (ROD) for No Further Action at site was issued by DEQ on 9/26/94.

NARR ID: 5730661
NARR Code: Health Threats
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Health Threats
NARR Comments: Soil and groundwater contamination.

Site Control:
Site Control #: 270
Control Number: 36
Begin Date: 09/26/1994
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: Jill Kiernan
Last Reviewed Date: 05/01/2002
Last Update By: JPALMER
Last Updated Date: 05/05/2005
Site Comment: Sediment cap along riverbed.

Administrative Action:
Action ID: 9437
Region: Headquarters
Complete Date: 05/28/1991
Rank Value: 0
Cleanup Flag: False

PGE - STATION L (Continued) **S103841474**

Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: Not reported
Comments: Not reported

Action ID: 9448
Region: Headquarters
Complete Date: 11/11/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Review for final listing
Further Action: Not reported
Comments: Not reported

Action ID: 9412
Region: Headquarters
Complete Date: 08/04/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Consent Order
Further Action: Not reported
Comments: Revised 4/11/91.

Action ID: 9434
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Institutional Control
Further Action: 0
Comments: Not reported

Action ID: 9422
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002

PGE - STATION L (Continued) **S103841474**

Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Engineering Control
Further Action: 0
Comments: Sediment cap.

Action ID: 9421
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: Site added to CERCLIS
Further Action: Not reported
Comments: Not reported

Action ID: 9512
Region: Not reported
Complete Date: 08/09/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: EPA Screening Site Inspection 1
Further Action: Not reported
Comments: Not reported

Action ID: 9444
Region: Not reported
Complete Date: 08/09/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: No Further Remedial Action Planned under Federal program
Further Action: Not reported
Comments: Not reported

Action ID: 9484
Region: Headquarters
Complete Date: 01/30/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality

PGE - STATION L (Continued) **S103841474**

Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: Not reported
Comments: Operable Unit II

Action ID: 9484
Region: Headquarters
Complete Date: 12/21/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: Not reported
Comments: Operable Unit III

Action ID: 9456
Region: Headquarters
Complete Date: 05/19/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: BASIC PRELIMINARY ASSESSEMENT
Further Action: Not reported
Comments: Operable Unit I

Action ID: 9491
Region: Headquarters
Complete Date: 08/20/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: REMOVAL
Further Action: Not reported
Comments: Operable Unit I

Action ID: 9429
Region: Headquarters
Complete Date: 02/16/1990
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters

PGE - STATION L (Continued) **S103841474**

Category: Remedial Action
Action Code Flag: False
Action: FEASIBILITY STUDY
Further Action: Not reported
Comments: Operable Unit II

Action ID: 9473
Region: Headquarters
Complete Date: 07/01/1990
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL DESIGN
Further Action: Not reported
Comments: Operable Unit II

Action ID: 9469
Region: Headquarters
Complete Date: 04/11/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL ACTION
Further Action: Not reported
Comments: Dredging and capping of contaminated sediments (Operable Unit II).

Action ID: 9450
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: OPERATION and MAINTENANCE
Further Action: Not reported
Comments: Operable Unit II

Action ID: 9494
Region: Headquarters
Complete Date: 09/26/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action

PGE - STATION L (Continued) **S103841474**

Action Code Flag: False
Action: RECORD OF DECISION
Further Action: Not reported
Comments: Not reported

Action ID: 9425
Region: Headquarters
Complete Date: 05/14/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Action ID: 9413
Region: Northwestern Region
Complete Date: 11/28/1993
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Closeout activities on completed project
Further Action: 0
Comments: Op Unit 3

Action ID: 9424
Region: Headquarters
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9445
Region: Headquarters
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False

PGE - STATION L (Continued) **S103841474**

Action: Responsible party notified re 11/88 Inventory listing
Further Action: Not reported
Comments: Not reported

Action ID: 9499
Region: Headquarters
Complete Date: 05/29/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9488
Region: Headquarters
Complete Date: 11/12/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Listing on Confirmed Release List recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9438
Region: Headquarters
Complete Date: 11/19/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: Not reported
Comments: Not reported

Action ID: 9467
Region: Headquarters
Complete Date: 06/28/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory

PGE - STATION L (Continued) **S103841474**

Further Action: Not reported
Comments: Not reported

Action ID: 9498
Region: Headquarters
Complete Date: 05/29/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9489
Region: Headquarters
Complete Date: 11/12/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Listing on Inventory recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9439
Region: Headquarters
Complete Date: 11/19/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: Not reported
Comments: Not reported

Action ID: 9465
Region: Headquarters
Complete Date: 06/28/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: Not reported

PGE - STATION L (Continued) **S103841474**

Comments: Not reported

Action ID: 9411
Region: Northwestern Region
Complete Date: 09/30/1994
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/20/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: No Further Action (Conditional)
Further Action: 0
Comments: Not reported

Action ID: 9490
Region: Northwestern Region
Complete Date: 10/01/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/03/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Long Term Care/Control recommended (OM)
Further Action: 0
Comments: Not reported

Operations:
Operation Id: 131559
Operation Status: Inactive
Common Name: PGE - Station L
Yrs of Operation: 1900-1975 power generation; to 1986 equip. storage
Comments: Steam powered electricity generating plant, also used for the warehousing and maintenance of electrical equipment.
Updated Date: 07/19/1995
Updated By: jak
Decode for OpstatID: Inactive
Operations SIC Id: 195455
SIC Code: 5063
Created By: Not reported
Created Date: 12/17/2002

CRL:
Facility ID: 151
Location ID: 3232
Status Code: LIS
Facility Status: Long Term Care/Control recommended (OM)
Lat/Long: 45.5072 / -122.6655

OR ENG CONTROL:
Site Control Sequence #: 270
Site Id: 151
Control Sequence #: 36
Begin Date: 09/26/1994

PGE - STATION L (Continued) **S103841474**

End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: Jill Kiernan
Last Review Date: 05/01/2002
Last Updated By: JPALMER
Last Updated Date: 05/05/2005
Group Sequence #: 9
Control Code: CPE
Control Description: Cap, engineered
FK Type Code: 2
Group Code: SB
Group Description: Surface Barriers
Type Code: E
Type Description: Engineering
Comments: Sediment cap along riverbed.

OR BROWNFIELDS:
Geolocation Id: 3232
Status: Long Term Care/Control recommended (OM)
Lat/Long: 45.5072 / -122.665

DW548 **HOLMAN BUILDING** **OR ECSI** **S106778132**
WSW **49 SE CLAY ST.** **OR VCP** **N/A**
1/2-1 **PORTLAND, OR 97214**
0.530 mi.
2797 ft. **Site 1 of 2 in cluster DW**

Relative:
Lower

Actual:
35 ft.

ECSI:
State ID Number: 4236
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: No Further Action
FACA ID: 86427
Further Action: 0
Lat/Long (dms): 45 30 42.10 / -122 39 58.00
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 3
Qtr Section: Not reported
Tax Lots: No.2, Block 1 on Map #3230
Size: Not reported
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 04/20/2006
Created Date: 10/26/2004
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action

HOLMAN BUILDING (Continued) **S106778132**

Decode For Legislative: Not reported

Hazardous Release:
Substance ID.: 122012
Haz Release ID: 386397
Qty Released: Not reported
Date Released: Not reported
Update Date: 01/06/2005
Update By: CKAUFMA
Substance Code: ECD275
Substance Name: TOTAL PETROLEUM HYDROCARBONS (TPH)
Substance Abbrev.: Not reported
Substance Category ID: 8540
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8540
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002

Narrative:
NARR ID: 5745647
NARR Code: Data Sources
Created By: LGIBSON
Created Date: 10/26/2004
Updated By: LGIBSON
Updated Date: 10/26/2004
Decode for NarcdID: Data Sources
NARR Comments: [10/26/2004/CK] Characterization of the Extent of Contamination Under the Loading Dock Holman Building, August 26, 2004.

NARR ID: 5745643
NARR Code: Hazardous Substance/Waste Types
Created By: LGIBSON
Created Date: 10/26/2004
Updated By: LGIBSON
Updated Date: 10/26/2004
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: [10/26/2004/CK] Hydraulic and heavy oil petroleum contamination.

NARR ID: 5745644
NARR Code: Manner of Release
Created By: LGIBSON
Created Date: 10/26/2004
Updated By: GWISTAR
Updated Date: 01/13/2005
Decode for NarcdID: Manner of Release
NARR Comments: [10/26/2004/CK] Releases associated with leaks from hydraulic levers at the loading dock of the building.

NARR ID: 5745645
NARR Code: Pathways Other Hazards
Created By: LGIBSON
Created Date: 10/26/2004
Updated By: GWISTAR

HOLMAN BUILDING (Continued) **S106778132**

Updated Date: 01/13/2005
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: [10/26/2004/CK] Release of hydraulic and heavy oil to subsurface soils from past hydraulic lever leaks at the loading dock area. Exposure to humans via direct contact, inhalation, and evaporation from soil contamination.

NARR ID: 5745646
NARR Code: Remedial Action
Created By: LGIBSON
Created Date: 10/26/2004
Updated By: LGIBSON
Updated Date: 10/26/2004
Decode for NarcdID: Remedial Action
NARR Comments: [10/26/2004/CK] Phase II and Site Characterization have been completed. Subsurface investigations, including soil sampling and analysis have been conducted.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 10/26/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/26/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9469
Region: Northwestern Region
Complete Date: 01/06/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/26/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL ACTION
Further Action: 0
Comments: Not reported

Action ID: 9443
Region: Northwestern Region
Complete Date: 01/06/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/06/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED

HOLMAN BUILDING (Continued) **S106778132**

Further Action: 0
Comments: Not reported

VCS:
ECS Site ID: 4236
Facility Size: Not reported
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 01/06/2005
End Date: 01/06/2005
Facility Status: Completed
Program: ICP
Latitude: 45.51169
Longitude: -122.6661

---

549 SSW 1/2-1 0.541 mi. 2854 ft. **BALZER PACIFIC EQUIPMENT CO. STORAGE LOT** **OR ECSI** **S112231357**
2230 SE GRAND AVE. **OR ENG CONTROLS** **N/A**
PORTLAND, OR 97214 **OR INST CONTROL**
OR VCP

Relative: Higher

Actual: 50 ft.

ECSI:
State ID Number: 5753
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 831
Investigation: Listed on the CRL/Inventory
FACA ID: 125400
Further Action: 0
Lat/Long (dms): 45 30 22.30 / -122 39 34.60
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 2
Qtr Section: CC
Tax Lots: 6100
Size: 0.86 acres
NPL: False
Orphan: False
Updated By: KDANA
Update Date: 12/08/2015
Created Date: 10/01/2012
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: Listed on the CRL/Inventory
Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

Hazardous Release:
Substance ID.: 121982
Haz Release ID: 388037
Qty Released: unknown
Date Released: unknown

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Update Date: 04/10/2013
Update By: KDANA
Substance Code: ECD169
Substance Name: DIESEL - FUEL OIL
Substance Abbrev.: Not reported
Substance Category ID: 8529
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8529
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Comment ID: 305505
Release Code: Media Contamination Footnote
Release Comments: Highest soil concentration encountered in Boring B-3. Highest groundwater concentration encountered in Boring B-2
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305525
Release Code: General Comments
Release Comments: The diesel detections did not match any specific hydrocarbon products
Decode for Relcomcd: General Comments
Comment ID: 305526
Release Code: Data Sources
Release Comments: August 2011 Parametrix Phase II ESA
Decode for Relcomcd: Data Sources
Sampling Result ID: 350529
Feature Id: 0
Hazard Release Id: 388037
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 3 ft bgs
Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: 5820.00
Sample Comment: up to 5,820 ppm
Last Update By: KDANA
Update Date: 08/13/2015
Decode for MediumID: Soil
Sampling Result ID: 350543
Feature Id: 0
Hazard Release Id: 388037
Medium: 698
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 20-30 ft bgs
Start Date: 04/27/2011

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: 3850.00
Sample Comment: up to 3,850 ppb
Last Update By: KDANA
Update Date: 04/10/2013
Decode for MediumID: Groundwater

Substance ID.: 121988
Haz Release ID: 388038
Qty Released: unknown
Date Released: unknown
Update Date: 04/10/2013
Update By: KDANA
Substance Code: ECD198
Substance Name: OIL - LUBRICATING
Substance Abbrev.: Not reported
Substance Category ID: 8531
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8531
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Comment ID: 305506
Release Code: Media Contamination Footnote
Release Comments: Highest soil concentration encountered in Boring B-3. Highest groundwater concentration encountered in Boring B-2
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305517
Release Code: General Comments
Release Comments: The lube oil detections did not match any specific hydrocarbon product
Decode for Relcomcd: General Comments
Comment ID: 305518
Release Code: Data Sources
Release Comments: August 2011 Parametrix Phase II ESA
Decode for Relcomcd: Data Sources
Sampling Result ID: 350530
Feature Id: 0
Hazard Release Id: 388038
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 3 ft bgs
Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: 11500.00
Sample Comment: up to 11,500 ppm
Last Update By: KDANA
Update Date: 08/13/2015

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Decode for MediumID: Soil
Sampling Result ID: 350544
Feature Id: 0
Hazard Release Id: 388038
Medium: 698
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 20-30 ft bgs
Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: 7410.00
Sample Comment: up to 7,410 ppb
Last Update By: KDANA
Update Date: 04/10/2013
Decode for MediumID: Groundwater

Substance ID.: 121639
Haz Release ID: 388039
Qty Released: unknown
Date Released: unknown
Update Date: 04/10/2013
Update By: KDANA
Substance Code: 7439-92-1
Substance Name: LEAD
Substance Abbrev.: Not reported
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319256
Sub Alias Name: PB
Comment ID: 305521
Release Code: Media Contamination Footnote
Release Comments: Highest soil concentration encountered in Boring B-11. Highest groundwater concentration encountered in Boring B-6
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305522
Release Code: Data Sources
Release Comments: August 2011 Parametrix Phase II ESA and September 2014 URS Additional Data Gap Investigation
Decode for Relcomcd: Data Sources
Comment ID: 305656
Release Code: General Comments
Release Comments: Leachate analysis by TCLP
Decode for Relcomcd: General Comments
Sampling Result ID: 350542
Feature Id: 0

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Hazard Release Id: 388039
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 4.4 ft bgs
Start Date: 07/10/2014
End Date: 07/10/2014
Min Concentration: Not reported
Max Concentration: 2300.00
Sample Comment: up to 2,300 ppm
Last Update By: KDANA
Update Date: 10/22/2014
Decode for MediumID: Soil
Sampling Result ID: 350547
Feature Id: 0
Hazard Release Id: 388039
Medium: 698
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 20-30 ft bgs
Start Date: 04/28/2011
End Date: 04/28/2011
Min Concentration: Not reported
Max Concentration: 73.40
Sample Comment: up to 73.4 ppb
Last Update By: KDANA
Update Date: 04/10/2013
Decode for MediumID: Groundwater
Sampling Result ID: 350726
Feature Id: 0
Hazard Release Id: 388039
Medium: 699
Substance Abbrev.: 0
Unit Code: 109
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 4.4 ft bgs
Start Date: 07/10/2014
End Date: 07/10/2014
Min Concentration: Not reported
Max Concentration: 5.50
Sample Comment: up to 5.5 mg/l
Last Update By: KDANA
Update Date: 10/22/2014
Decode for MediumID: Leachate

Substance ID.: 121868
Haz Release ID: 388040
Qty Released: unknown
Date Released: unknown

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Update Date: 04/10/2013
Update By: KDANA
Substance Code: 91-20-3
Substance Name: NAPHTHALENE
Substance Abbrev.: Not reported
Substance Category ID: 8494
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8494
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317793
Sub Alias Name: MOTH BALLS
Substance Alias ID: 317794
Sub Alias Name: NAPHTHENE
Substance Alias ID: 317795
Sub Alias Name: TAR CAMPHOR
Comment ID: 305519
Release Code: Media Contamination Footnote
Release Comments: Highest soil concentration encountered in Boring B-3. Highest groundwater concentration encountered in Boring B-6
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305520
Release Code: Data Sources
Release Comments: August 2011 Parametrix Phase II ESA
Decode for Relcomcd: Data Sources
Sampling Result ID: 350531
Feature Id: 0
Hazard Release Id: 388040
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 3 ft bgs
Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: 18.70
Sample Comment: up to 18.7 ppm
Last Update By: KDANA
Update Date: 04/10/2013
Decode for MediumID: Soil
Sampling Result ID: 350548
Feature Id: 0
Hazard Release Id: 388040
Medium: 698
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Sample Depth: 20-30 ft bgs
Start Date: 04/28/2011
End Date: 04/28/2011
Min Concentration: Not reported
Max Concentration: .35
Sample Comment: up to 0.345 ppb
Last Update By: KDANA
Update Date: 04/10/2013
Decode for MediumID: Groundwater

Substance ID.: 121462
Haz Release ID: 388041
Qty Released: unknown
Date Released: unknown
Update Date: 04/09/2013
Update By: KDANA
Substance Code: 56-55-3
Substance Name: BENZO(a)ANTHRACENE
Substance Abbrev.: Not reported
Substance Category ID: 8475
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8475
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318790
Sub Alias Name: BENZ(a)ANTHRACENE
Substance Alias ID: 318791
Sub Alias Name: BENZANTHRACENE,1,2-
Substance Alias ID: 318792
Sub Alias Name: BENZANTHRENE
Substance Alias ID: 318793
Sub Alias Name: BENZOANTHRACENE
Substance Alias ID: 318794
Sub Alias Name: BENZPHENANTHRENE,2,3-
Substance Alias ID: 318795
Sub Alias Name: NAPHTHANTHRACENE
Substance Alias ID: 318796
Sub Alias Name: TETRAPHENE
Comment ID: 305513
Release Code: Data Sources
Release Comments: August 2011 Parametrix Phase II ESA
Decode for Relcomcd: Data Sources
Comment ID: 305537
Release Code: Media Contamination Footnote
Release Comments: Highest soil concentration encountered in Boring B-3. Highest groundwater concentration encountered in Boring B-2
Decode for Relcomcd: Media Contamination Footnote
Sampling Result ID: 350533
Feature Id: 0
Hazard Release Id: 388041
Medium: 703
Substance Abbrev.: 0

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 3 ft bgs
Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: 162.00
Sample Comment: up to 162 ppm
Last Update By: KDANA
Update Date: 04/09/2013
Decode for MediumID: Soil
Sampling Result ID: 350549
Feature Id: 0
Hazard Release Id: 388041
Medium: 698
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 20-30 ft bgs
Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: .18
Sample Comment: up to 0.179 ppb
Last Update By: KDANA
Update Date: 04/09/2013
Decode for MediumID: Groundwater

Substance ID.: 121374
Haz Release ID: 388042
Qty Released: unknown
Date Released: unknown
Update Date: 04/10/2013
Update By: KDANA
Substance Code: 50-32-8
Substance Name: BENZO(a)PYRENE
Substance Abbrev.: Not reported
Substance Category ID: 8476
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8476
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318559
Sub Alias Name: B(a)P
Substance Alias ID: 318560
Sub Alias Name: BENZOPYRENE,3,4-
Substance Alias ID: 318561
Sub Alias Name: BENZPYRENE,3,4-

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Substance Alias ID: 318562
Sub Alias Name: BP
Comment ID: 305535
Release Code: Media Contamination Footnote
Release Comments: Highest soil concentration encountered in Boring B-3. Highest groundwater concentration encountered in Boring B-2
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305536
Release Code: Data Sources
Release Comments: August 2011 Parametrix Phase II ESA
Decode for Relcomcd: Data Sources
Sampling Result ID: 350534
Feature Id: 0
Hazard Release Id: 388042
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 3 ft bgs
Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: 136.00
Sample Comment: up to 136 ppm
Last Update By: KDANA
Update Date: 04/10/2013
Decode for MediumID: Soil
Sampling Result ID: 350550
Feature Id: 0
Hazard Release Id: 388042
Medium: 698
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 20-30 ft bgs
Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: .22
Sample Comment: up to 0.221 ppb
Last Update By: KDANA
Update Date: 04/10/2013
Decode for MediumID: Groundwater

Substance ID.: 121192
Haz Release ID: 388043
Qty Released: unknown
Date Released: unknown
Update Date: 04/10/2013
Update By: KDANA
Substance Code: 205-99-2
Substance Name: BENZO(b)FLUORANTHENE
Substance Abbrev.: Not reported

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Substance Category ID:	8477
Substance Category:	Semi-volatiles
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Category ID:	8477
Substance Category:	Semi-volatiles
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Alias ID:	317390
Sub Alias Name:	B(b)F
Substance Alias ID:	317391
Sub Alias Name:	BENZ(e)ACEPHENANTHRYLENE
Substance Alias ID:	317392
Sub Alias Name:	BENZFLUORANTHENE,3,4-
Substance Alias ID:	317393
Sub Alias Name:	BENZOFLUORANTHENE,2,3-
Substance Alias ID:	317394
Sub Alias Name:	BENZOFLUORANTHENE,3,4-
Comment ID:	305533
Release Code:	Media Contamination Footnote
Release Comments:	Highest soil concentration encountered in Boring B-3. Highest groundwater concentration encountered in Boring B-2
Decode for Relcomcd:	Media Contamination Footnote
Comment ID:	305534
Release Code:	Data Sources
Release Comments:	August 2011 Parametrix Phase II ESA
Decode for Relcomcd:	Data Sources
Sampling Result ID:	350535
Feature Id:	0
Hazard Release Id:	388043
Medium:	703
Substance Abbrev.:	0
Unit Code:	7
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	3 ft bgs
Start Date:	04/27/2011
End Date:	04/27/2011
Min Concentration:	Not reported
Max Concentration:	154.00
Sample Comment:	up to 154 ppm
Last Update By:	KDANA
Update Date:	04/10/2013
Decode for MediumID:	Soil
Sampling Result ID:	350551
Feature Id:	0
Hazard Release Id:	388043
Medium:	698
Substance Abbrev.:	0
Unit Code:	8
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	20-30 ft bgs

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: .27
Sample Comment: up to 0.273 ppb
Last Update By: KDANA
Update Date: 04/10/2013
Decode for MediumID: Groundwater

Substance ID.: 121196
Haz Release ID: 388044
Qty Released: unknown
Date Released: unknown
Update Date: 04/10/2013
Update By: KDANA
Substance Code: 207-08-9
Substance Name: BENZO(k)FLUORANTHENE
Substance Abbrev.: Not reported
Substance Category ID: 8478
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8478
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317400
Sub Alias Name: B(k)F
Substance Alias ID: 317401
Sub Alias Name: BENZOFLUORANTHENE,11,12-
Comment ID: 305531
Release Code: Media Contamination Footnote
Release Comments: Highest soil concentration encountered in Boring B-3
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305532
Release Code: Data Sources
Release Comments: August 2011 Parametrix Phase II ESA
Decode for Relcomcd: Data Sources
Sampling Result ID: 350536
Feature Id: 0
Hazard Release Id: 388044
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 3 ft bgs
Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: 38.70
Sample Comment: up to 38.7 ppm
Last Update By: KDANA
Update Date: 04/10/2013

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Decode for MediumID: Soil

Substance ID.: 121210
Haz Release ID: 388045
Qty Released: unknown
Date Released: unknown
Update Date: 04/10/2013
Update By: KDANA
Substance Code: 218-01-9
Substance Name: CHRYSENE
Substance Abbrev.: Not reported
Substance Category ID: 8481
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8481
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317438
Sub Alias Name: BENZ(a)PHENANTHRENE
Substance Alias ID: 317439
Sub Alias Name: BENZPHENANTHRENE,1,2-
Substance Alias ID: 317440
Sub Alias Name: DIBENZONAPHTHALENE,1,2,5,6-
Comment ID: 305529
Release Code: Media Contamination Footnote
Release Comments: Highest soil concentration encountered in Boring B-3. Highest groundwater concentration encountered in Boring B-2
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305530
Release Code: Data Sources
Release Comments: August 2011 Parametrix Phase II ESA
Decode for Relcomcd: Data Sources
Sampling Result ID: 350537
Feature Id: 0
Hazard Release Id: 388045
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 3 ft bgs
Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: 103.00
Sample Comment: up to 103 ppm
Last Update By: KDANA
Update Date: 04/10/2013
Decode for MediumID: Soil
Sampling Result ID: 350553
Feature Id: 0
Hazard Release Id: 388045

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Medium: 698
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 20-30 ft bgs
Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: .18
Sample Comment: up to 0.179 ppb
Last Update By: KDANA
Update Date: 04/10/2013
Decode for MediumID: Groundwater

Substance ID.: 121415
Haz Release ID: 388046
Qty Released: unknown
Date Released: unknown
Update Date: 04/10/2013
Update By: KDANA
Substance Code: 53-70-3
Substance Name: DIBENZO(a,h)ANTHRACENE
Substance Abbrev.: Not reported
Substance Category ID: 8499
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8499
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318667
Sub Alias Name: DB(a,h)A
Substance Alias ID: 318668
Sub Alias Name: DIBENZ(a,h)ANTHRACENE
Substance Alias ID: 318669
Sub Alias Name: DIBENZANTHRACENE,1,2-5,6-
Substance Alias ID: 318670
Sub Alias Name: DIBENZANTHRACENE,1,2:5,6-
Comment ID: 305527
Release Code: Media Contamination Footnote
Release Comments: Highest soil concentration encountered in Boring B-3. Highest groundwater concentration encountered in Boring B-2
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305528
Release Code: Data Sources
Release Comments: August 2011 Parametrix Phase II ES
Decode for Relcomcd: Data Sources
Sampling Result ID: 350538
Feature Id: 0
Hazard Release Id: 388046
Medium: 703
Substance Abbrev.: 0

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 3 ft bgs
Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: 22.90
Sample Comment: up to 22.9 ppm
Last Update By: KDANA
Update Date: 04/10/2013
Decode for MediumID: Soil
Sampling Result ID: 350554
Feature Id: 0
Hazard Release Id: 388046
Medium: 698
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 20-30 ft bgs
Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: .06
Sample Comment: up to 0.0631 ppb
Last Update By: KDANA
Update Date: 04/10/2013
Decode for MediumID: Groundwater

Substance ID.: 121176
Haz Release ID: 388047
Qty Released: unknown
Date Released: unknown
Update Date: 04/10/2013
Update By: KDANA
Substance Code: 193-39-5
Substance Name: INDENO(1,2,3-cd)PYRENE
Substance Abbrev.: Not reported
Substance Category ID: 8493
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8493
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317339
Sub Alias Name: PHENYLENEPYRENE,2,3-
Substance Alias ID: 317340
Sub Alias Name: PHENYLENEPYRENE,o-
Comment ID: 305523
Release Code: Media Contamination Footnote

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Release Comments: Highest soil concentration encountered in Boring B-3
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305524
Release Code: Data Sources
Release Comments: August 2011 Parametrix Phase II ESA
Decode for Relcomcd: Data Sources
Sampling Result ID: 350539
Feature Id: 0
Hazard Release Id: 388047
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 3 ft bgs
Start Date: 04/27/2011
End Date: 04/27/2011
Min Concentration: Not reported
Max Concentration: 93.10
Sample Comment: up to 93.1 ppm
Last Update By: KDANA
Update Date: 04/10/2013
Decode for MediumID: Soil

Substance ID.: 121664
Haz Release ID: 388218
Qty Released: unknown
Date Released: unknown
Update Date: 10/22/2014
Update By: KDANA
Substance Code: 7440-38-2
Substance Name: ARSENIC
Substance Abbrev.: Not reported
Substance Category ID: 8439
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8439
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319286
Sub Alias Name: AS
Comment ID: 305654
Release Code: Media Contamination Footnote
Release Comments: Highest concentration encountered in Boring B-11.
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305655
Release Code: Data Sources
Release Comments: September 2014 URS Additional Data Gap Investigation
Decode for Relcomcd: Data Sources
Sampling Result ID: 350725
Feature Id: 0
Hazard Release Id: 388218

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 4.4 ft bgs
Start Date: 07/10/2014
End Date: 07/10/2014
Min Concentration: Not reported
Max Concentration: 27.00
Sample Comment: up to 27 ppm
Last Update By: KDANA
Update Date: 10/22/2014
Decode for MediumID: Soil

Substance ID.: 121623
Haz Release ID: 388219
Qty Released: unknown
Date Released: unknown
Update Date: 10/22/2014
Update By: KDANA
Substance Code: 74-82-8
Substance Name: METHANE
Substance Abbrev.: Not reported
Comment ID: 305657
Release Code: Data Sources
Release Comments: September 2014 URS Methane Investigation Report
Decode for Relcomcd: Data Sources
Comment ID: 305658
Release Code: Media Contamination Footnote
Release Comments: Highest concentration encountered in SG-3
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305659
Release Code: General Comments
Release Comments: Air = soil gas
Decode for Relcomcd: General Comments
Sampling Result ID: 350727
Feature Id: 0
Hazard Release Id: 388219
Medium: 697
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 5-10 ft bgs
Start Date: 08/14/2014
End Date: 08/14/2014
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: up to 40.9 pbv
Last Update By: KDANA
Update Date: 10/22/2014
Decode for MediumID: Air

Narrative:
NARR ID: 5754218

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

NARR Code: Contamination
Created By: SFORTUN
Created Date: 10/01/2012
Updated By: KDANA
Updated Date: 12/07/2015
Decode for NarcdID: Contamination
NARR Comments: (12/02/2015 KPD/VCP) Parametrix advanced nine borings at the site in April 2011 as part of a Phase II Environmental Site Assessment for TriMet. Diesel-range and lube oil-range hydrocarbons were detected in most of the soil samples, along with PAHs. The same contaminants were also detected in groundwater 30 feet below ground surface.Additional sampling was conducted by URS in July-August 2014. Composite surface soil samples were collected from across the site, finding diesel and oil and elevated concentrations of arsenic, lead, and PAHs. High levels of methane were also detected in two soil gas sample locations. Not reported

NARR ID: 5754219
NARR Code: Data Sources
Created By: SFORTUN
Created Date: 10/01/2012
Updated By: KDANA
Updated Date: 03/02/2015
Decode for NarcdID: Data Sources
NARR Comments: 1) Parametrix ***Phase II Environmental Site Assessment*** [August 2, 2011].2) URS ***Expanded Preliminary Assessment*** [April 28, 2014].3) URS ***Work Plan for Methane Investigation and Additional Data Gap Investigation*** [June 25, 2014].4) URS ***Additional Data Gap Investigation Report*** [September 17, 2014].5) URS ***Methane Investigation Report*** [September 17, 2014].6) AECOM ***Risk-Based Evaluation*** [February 24, 2015].

NARR ID: 5754221
NARR Code: Hazardous Substance/Waste Types
Created By: SFORTUN
Created Date: 10/02/2012
Updated By: KDANA
Updated Date: 10/22/2014
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Diesel- and lube oil-range hydrocarbons; polycyclic aromatic hydrocarbons (PAHs); methane; arsenic and lead.

NARR ID: 5754587
NARR Code: Site Location
Created By: KDANA
Created Date: 04/11/2013
Updated By: KDANA
Updated Date: 03/25/2014
Decode for NarcdID: Site Location
NARR Comments: The site occupies a city block bordered by SE Sherman Street to the north and SE Caruthers Street to the south. The site encompasses the former SE 6th Avenue right-of-way on the west, and a Union Pacific rail line runs diagonally NW to SE on the east property line. Keller Supply Company formerly bordered the site on the west. The Grand Avenue viaduct lies 200 ft west of the site. The site address has also been given as 600-604 SE Sherman Street.

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

NARR ID: 5755075
NARR Code: Manner of Release
Created By: KDANA
Created Date: 04/01/2014
Updated By: KDANA
Updated Date: 04/01/2014
Decode for NarcdID: Manner of Release
NARR Comments: The manner and time of the contaminant releases are unknown. Notably, the site was only connected to municipal water and sewer systems in 1998. How these services were provided prior to 1998 is not known. The nearest stormwater inlet (catch basin) is 175 feet west of the site and was likely installed in 2011.

NARR ID: 5755758
NARR Code: Media Contamination
Created By: KDANA
Created Date: 08/13/2015
Updated By: KDANA
Updated Date: 08/13/2015
Decode for NarcdID: Media Contamination
NARR Comments: Soil, soil gas, and groundwater

NARR ID: 5754718
NARR Code: Site Ownership
Created By: KDANA
Created Date: 06/12/2013
Updated By: KDANA
Updated Date: 10/22/2014
Decode for NarcdID: Site Ownership
NARR Comments: TriMet condemned the property in May 2012 and officially became the site owner in July 2013. The site had previously been owned by Balzer Pacific Equipment Company since 1964.

NARR ID: 5755076
NARR Code: Pathways Other Hazards
Created By: KDANA
Created Date: 04/01/2014
Updated By: KDANA
Updated Date: 04/01/2014
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: The site sits atop 30 feet of wood waste fill. Groundwater (approx. 20-30 ft bgs) likely flows either west toward the Willamette River (1,100 ft from the site) or northwest along the former Stephen's Slough. The site and surrounding areas are zoned General Industrial 1 (IG1) by the City of Portland.

NARR ID: 5754717
NARR Code: Remedial Action
Created By: KDANA
Created Date: 06/12/2013
Updated By: KDANA
Updated Date: 12/07/2015
Decode for NarcdID: Remedial Action
NARR Comments: (12/02/2015 KPD/VCP) Contractors for TriMet demolished the two on-site buildings in October 2012. In February 2013, approximately 2,500 cubic yards of soil were excavated to a depth of 4 ft bgs along the light rail alignment. The soil was shipped to the Hillsboro

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Landfill for disposal. The excavated area was backfilled with 2*** x 4*** cobble rock. An additional 270 cubic yards of soil was later excavated for a stormwater swale along the south edge of the alignment. The soil was also taken to the Hillsboro Landfill. Construction activities at the site were completed by the end of 2014.An Easement & Equitable Servitudes (EES) was recorded on the property deed in October 2015, requiring maintenance of the existing gravel cover and site fencing prior to redevelopment, approval by DEQ of methane engineering controls and a Contaminated Media Management Plan prior to construction, and eventual capping of the site with buildings and/or three feet of clean soil.

NARR ID: 5755811
NARR Code: Health Threats
Created By: KDANA
Created Date: 09/22/2015
Updated By: KDANA
Updated Date: 09/22/2015
Decode for NarcdID: Health Threats
NARR Comments: Arsenic and five PAHs were detected at concentrations of concern in composite surface soil samples at the site, and high concentrations of methane were detected in soil gas samples at the site.

NARR ID: 5754588
NARR Code: Site History
Created By: KDANA
Created Date: 04/11/2013
Updated By: KDANA
Updated Date: 09/22/2015
Decode for NarcdID: Site History
NARR Comments: Stephen's Slough, a 30-foot deep gulch, originally covered most of the site, and extended northwest to the Willamette River. Beginning around 1900, the gulch was filled in with sawdust and other wood wastes, most likely from the Inman Poulsen lumber mill two blocks west of the site. The site was identified on Sanborn maps as a wood yard in 1924 and 1950. Those same years, the Holman Fuel Company bordered the site to the south (across Caruthers Street). A small fuel warehouse was present on the SW corner of the site in the early 1950s.Balzer Pacific Equipment Company occupied the site beginning in 1964, and used it for the assembly and repair of mining and construction equipment. (Balzer manufactured the equipment at another site in Portland). Two buildings, a warehouse and a shop, were constructed in the southeast corner of the site in 1964 and 1970, respectively.TriMet obtained possession of the site through condemnation in May 2012 for construction of the Portland-Milwaukie Light Rail line, and became the site owner in July 2013. TriMet demolished the on-site structures in October 2012, and the rail alignment was constructed across the northern portion of the site in 2013-14.

Site Control:
Site Control #: 991
Control Number: 3
Begin Date: 10/16/2015
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: K. Dana
Last Reviewed Date: Not reported

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Last Update By: KDANA
Last Updated Date: 12/07/2015
Site Comment: Maintain existing fencing and gravel cover prior to development; prepare a CMMP prior to construction; incorporate methane engineering controls into new development; cap site upon completion of redevelopment.

Site Control #: 992
Control Number: 29
Begin Date: 10/16/2015
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: K. Dana
Last Reviewed Date: Not reported
Last Update By: KDANA
Last Updated Date: 12/07/2015
Site Comment: Owner must maintain the existing aggregate gravel cover on and fencing around the Property as temporary engineering controls to prohibit unauthorized entry to the Property and limit exposure to contaminants on the Property.

Site Control #: 993
Control Number: 27
Begin Date: 10/16/2015
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: K. Dana
Last Reviewed Date: Not reported
Last Update By: KDANA
Last Updated Date: 12/07/2015
Site Comment: Owner must prepare and submit to DEQ detailed drawings of engineering controls to be implemented to inhibit the concentration of methane prior to implementing any improvements to the Property. Improvements to the Property, including but not limited to buildings, paved surfaces, and subsurface utility lines, may not be implemented except upon prior written approval of the methane engineering controls by DEQ.

Site Control #: 994
Control Number: 36
Begin Date: 10/16/2015
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: K. Dana
Last Reviewed Date: Not reported
Last Update By: KDANA
Last Updated Date: 12/07/2015
Site Comment: Owner must ensure that occupants of the Property not come into direct contact with contaminated soils. Prior to occupancy of the Property, all soils not covered by buildings must be covered by an engineered cap and/or three feet of clean soil.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 10/01/2012
Rank Value: Not reported
Cleanup Flag: False

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Created Date: 10/01/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9498
Region: Northwestern Region
Complete Date: 10/02/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/03/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: 0
Comments: Not reported

Action ID: 9506
Region: Northwestern Region
Complete Date: 11/01/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/17/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Investigation recommended (SI)
Further Action: High
Comments: Not reported

Action ID: 9521
Region: Northwestern Region
Complete Date: 11/01/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/17/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: OPTN
Further Action: 0
Comments: Not reported

Action ID: 9425
Region: Northwestern Region
Complete Date: 06/12/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/18/2013

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: 0
Comments: Not reported

Action ID: 9459
Region: Northwestern Region
Complete Date: 06/12/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/01/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: 0
Comments: Phase II ESA by Parametrix is equivalent to a PA

Action ID: 9520
Region: Northwestern Region
Complete Date: 05/15/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/01/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: EXPANDED PRELIMINARY ASSESSMENT
Further Action: 0
Comments: Not reported

Action ID: 9484
Region: Northwestern Region
Complete Date: 03/12/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/11/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: 0
Comments: Not reported

Action ID: 9465
Region: Northwestern Region
Complete Date: 09/22/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/01/2015
Decode for AgencyID: Department of Environmental Quality

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9467
Region: Northwestern Region
Complete Date: 09/22/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/01/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: 0
Comments: Not reported

Action ID: 9413
Region: Northwestern Region
Complete Date: 12/06/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/07/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Closeout activities on completed project
Further Action: 0
Comments: Not reported

Action ID: 9411
Region: Northwestern Region
Complete Date: 12/06/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/07/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: No Further Action (Conditional)
Further Action: 0
Comments: Not reported

Action ID: 9434
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/08/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Category: Remedial Action
Action Code Flag: False
Action: Institutional Control
Further Action: 0
Comments: Easement & Equitable Servitudes recorded

Action ID: 9438
Region: Northwestern Region
Complete Date: 12/02/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/08/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9439
Region: Northwestern Region
Complete Date: 12/02/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/08/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: 0
Comments: Not reported

Operations:
Operation Id: 135916
Operation Status: Inactive
Common Name: Balzer Pacific Equipment Co.
Yrs of Operation: 1964 - 2012
Comments: Assembly and repair of heavy equipment
Updated Date: 03/02/2015
Updated By: KDANA
Decode for OpstatID: Inactive
Operations SIC Id: 199353
SIC Code: 5082
Created By: SFORTUN
Created Date: 10/02/2012

OR ENG CONTROL:
Site Control Sequence #: 994
Site Id: 5753
Control Sequence #: 36
Begin Date: 10/16/2015
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: K. Dana
Last Review Date: Not reported

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Last Updated By: KDANA
Last Updated Date: 12/07/2015
Group Sequence #: 9
Control Code: CPE
Control Description: Cap, engineered
FK Type Code: 2
Group Code: SB
Group Description: Surface Barriers
Type Code: E
Type Description: Engineering
Comments: Owner must ensure that occupants of the Property not come into direct contact with contaminated soils. Prior to occupancy of the Property, all soils not covered by buildings must be covered by an engineered cap and/or three feet of clean soil.

Site Control Sequence #: 993
Site Id: 5753
Control Sequence #: 27
Begin Date: 10/16/2015
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: K. Dana
Last Review Date: Not reported
Last Updated By: KDANA
Last Updated Date: 12/07/2015
Group Sequence #: 6
Control Code: SVP
Control Description: Soil venting, passive
FK Type Code: 2
Group Code: LTC
Group Description: Long-Term Controls
Type Code: E
Type Description: Engineering
Comments: Owner must prepare and submit to DEQ detailed drawings of engineering controls to be implemented to inhibit the concentration of methane prior to implementing any improvements to the Property. Improvements to the Property, including but not limited to buildings, paved surfaces, and subsurface utility lines, may not be implemented except upon prior written approval of the methane engineering controls by DEQ.

Site Control Sequence #: 992
Site Id: 5753
Control Sequence #: 29
Begin Date: 10/16/2015
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: K. Dana
Last Review Date: Not reported
Last Updated By: KDANA
Last Updated Date: 12/07/2015
Group Sequence #: 7
Control Code: FAB
Control Description: Fencing or other access barriers
FK Type Code: 2
Group Code: SM
Group Description: Security Measures

BALZER PACIFIC EQUIPMENT CO. STORAGE LOT (Continued) **S112231357**

Type Code: E
Type Description: Engineering
Comments: Owner must maintain the existing aggregate gravel cover on and fencing around the Property as temporary engineering controls to prohibit unauthorized entry to the Property and limit exposure to contaminants on the Property.

OR INSTUTIONAL CONTROL:
Site Control Sequence #: 991
Site Id: 5753
Control Sequence #: 3
Begin Date: 10/16/2015
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: K. Dana
Last Review Date: Not reported
Last Updated By: KDANA
Last Updated Date: 12/07/2015
Group Sequence #: 2
Control Code: EES
Control Description: Easement Equitable Servitude
FK Type Code: 1
Group Code: PR
Group Description: Proprietary
Type Code: I
Type Description: Institutional
Comments: Maintain existing fencing and gravel cover prior to development; prepare a CMMP prior to construction; incorporate methane engineering controls into new development; cap site upon completion of redevelopment.

VCS:
ECS Site ID: 5753
Facility Size: 0.86 acres
Action: No Further Action (Conditional)
Start Date: 12/06/2015
End Date: 12/06/2015
Facility Status: Completed
Program: VCP
Latitude: 45.5062
Longitude: -122.6596

DW550 **PGE WILLAMETTE RIVER SEDIMENT INVESTIGATION** **OR ECSI** **S110072093**
WSW **RIVER MILE 13.1 E TO RIVER MILE 13.5 E AND UPLAND SOURCES** **OR VCP** **N/A**
1/2-1 **PORTLAND, OR 97214**
0.567 mi.
2992 ft. **Site 2 of 2 in cluster DW**

Relative:
Lower

Actual:
9 ft.

ECSI:
State ID Number: 5249
Brown ID: 0
Study Area: True
Region ID: 2
Legislatve ID: 831
Investigation: Suspect
FACA ID: 112930
Further Action: 257

PGE WILLAMETTE RIVER SEDIMENT INVESTIGATION (Continued) **S110072093**

Lat/Long (dms): 45 30 41.80 / -122 40 5.20
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 3
Qtr Section: Not reported
Tax Lots: Not reported
Size: Not reported
NPL: False
Orphan: False
Updated By: TGAINER
Update Date: 04/09/2015
Created Date: 09/18/2009
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: High-Medium
Decode For Investstat: Suspect
Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420
Alias Name: Portland General Electric
Alias Name: Outfall 33 Investigation

Narrative:
NARR ID: 5751704
NARR Code: Contamination
Created By: GGAMOLO
Created Date: 09/18/2009
Updated By: TGAINER
Updated Date: 01/29/2015
Decode for NarcdID: Contamination
NARR Comments: Sediment is contaminated by PCBs, chlordanes, DDTs, metals and dioxins.

NARR ID: 5755549
NARR Code: Data Sources
Created By: TGAINER
Created Date: 02/02/2015
Updated By: TGAINER
Updated Date: 02/02/2015
Decode for NarcdID: Data Sources
NARR Comments: Preliminary Assessment for River Mile 13.5 13.5 Drainage Areas, Final. May 7, 2010, URSData Report, Portland General Electric, Willamette River Sediment Investigation, River Miles 13.5 and 13.5. June 16, 2010, URS.Data Report, Portland General Electric, Station L Southern Yard Upland Assessment. August 18, 2010, URS.Data Report, Portland General Electric, Rexel Taylor Property Upland Assessment. August 19, 2010, URS.Data Report, Portland General Electric, Hawthorne Building Upland Assessment. September 8, 2010, URS. Final Sediment Remedial Investigation Report River Miles 13.5 and 13.5, Willamette River, Portland, Oregon. Prepared for Portland General Electric Company by URS. December 2011.Final Feasibility Study Work Plan for River Miles 13.5 and 13.5. Prepared for Portland General Electric Company. February 2013.Final Feasibility Study Report, River Miles 13.5 and 13.5. Prepared for Portland General Electric Company.

PGE WILLAMETTE RIVER SEDIMENT INVESTIGATION (Continued) **S110072093**

November 2014.URS, 2015. Outfall 33 Stormwater Sampling Report. Prepared for Portland General Electric Company. January 9, 2015.

NARR ID: 5755546
NARR Code: General Site Description
Created By: TGAINER
Created Date: 01/29/2015
Updated By: TGAINER
Updated Date: 04/09/2015
Decode for NarcdID: General Site Description
NARR Comments: The river mile (RM) 13.1 and 13.5 Study Areas located on the east bank of the Willamette River in Portland, Oregon. The December 2011 Remedial Investigation defined the extent of nearshore and in-water sediment contamination in both Study Areas, and the November 2014 Feasibility Study identified and evaluated remedial alternatives. The primary chemical of concern are polychlorinated biphenyls (PCBs) in surface sediment. Based on the FS evaluation of the alternatives, DEQ selcted the following remedies in a 4/8/15 Record of Decision: Alternative 2a isolation cap with discrete amended cap areas to address hot spots, and Alternative 2 isolation cap, as the remedial action for the RM 13.1 and RM 13.5 Study Areas, respectively. Upland source control evaluations identified two potential contaminant sources (the Rexel-Taylor and PGE Hawthorne building sites) to the RM13.1 Study Area. Source control measures were implemented and completed at these locations and no known significant upland sources of contamination are currently discharging to the RM 13.1 and 13.5 Study Areas.

NARR ID: 5755547
NARR Code: Media Contamination
Created By: TGAINER
Created Date: 01/29/2015
Updated By: TGAINER
Updated Date: 01/29/2015
Decode for NarcdID: Media Contamination
NARR Comments: In-water sediment and beach up to the base of the riprap riverbank slope.

NARR ID: 5755548
NARR Code: Project Activity Status
Created By: TGAINER
Created Date: 01/29/2015
Updated By: DLACEY
Updated Date: 09/24/2015
Decode for NarcdID: Project Activity Status
NARR Comments: The Remedial Investigation and Feasibility Study are complete. After addressing public comments on the proposed sediment remedies, DEQ issued a Record of Decision in April 2015.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 09/18/2009
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/18/2009
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported

PGE WILLAMETTE RIVER SEDIMENT INVESTIGATION (Continued) **S110072093**

Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9502
Region: Northwestern Region
Complete Date: 09/18/2009
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/02/2009
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Remedial Investigation recommended (RI)
Further Action: High
Comments: Not reported

Action ID: 9442
Region: Northwestern Region
Complete Date: 01/06/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/03/2009
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NEGOTIATIONS
Further Action: 0
Comments: Demand Letter issued for additional RI

Action ID: 9456
Region: Northwestern Region
Complete Date: 09/18/2009
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/11/2009
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: BASIC PRELIMINARY ASSESSEMENT
Further Action: 0
Comments: Not reported

Action ID: 9484
Region: Northwestern Region
Complete Date: 01/17/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/13/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action

PGE WILLAMETTE RIVER SEDIMENT INVESTIGATION (Continued) **S110072093**

Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: High-Medium
Comments: Defines the nature, extent and unacceptable risk of in-water sediment contamination, and evaluates potential upland sources adjacent to Willamette River RM 13.1 and 13.5.

Action ID: 9412
Region: Northwestern Region
Complete Date: 01/06/2010
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/13/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Consent Order
Further Action: High-Medium
Comments: Defines scope of work and schedule to determine the nature, extent and unacceptable risk of in-water sediment contamination, and evaluation of potential upland sources adjacent to Willamette River RM 13.1 and 13.5.

Action ID: 9412
Region: Northwestern Region
Complete Date: 07/30/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/13/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Consent Order
Further Action: 0
Comments: Defines scope and schedule for in-water Feasibility Study for Willamete River sediment adjacent to RM 13.1E and 13.5E and upland source control at PGE's Hawthorne shop.

Action ID: 9429
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/04/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: FEASIBILITY STUDY
Further Action: 0
Comments: A draft FS was submitted 2/25/14 for DEQ review.

Action ID: 9494
Region: Northwestern Region
Complete Date: 04/08/2015

PGE WILLAMETTE RIVER SEDIMENT INVESTIGATION (Continued) **S110072093**

Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/09/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: RECORD OF DECISION
Further Action: High-Medium
Comments: Selected capping remedy for in-water sediment sites at RM 13.1 and 13.5.

Action ID: 9412
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/24/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Consent Order
Further Action: 0
Comments: Not reported

VCS:
ECS Site ID: 5249
Facility Size: Not reported
Action: Consent Order
Start Date: 09/24/2015
End Date: Not reported
Facility Status: Active
Program: VCP
Latitude: 45.51160
Longitude: -122.6681

---

551 NNW 1/2-1 0.581 mi. 3068 ft.

SALVATION ARMY FACILITY
139 SE MARTIN LUTHER KING, JR. BLVD.
PORTLAND, OR 97214

OR ECSI S110818319
OR CRL N/A
OR VCP
OR BROWNFIELDS

Relative: Higher

Actual: 51 ft.

ECSI:
State ID Number: 5555
Brown ID: Brownfield Site - DEQ Tech Assistance
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: Listed on the CRL/Inventory
FACA ID: 27607
Further Action: 0
Lat/Long (dms): 45 31 19.00 / -122 39 44.25
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00

SALVATION ARMY FACILITY (Continued) **S110818319**

Township Zone: N
Range Coord: 1.00
Range Zone: E
Section Coord: 34
Qtr Section: DD
Tax Lots: 1800
Size: 0.64 acres
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 07/14/2014
Created Date: 03/23/2011
Decode For RegionID: Northwest Region
Decode For BrownID: Brownfield Site - DEQ Technical Assistance
Decode For Furtheract: Not reported
Decode For Investstat: Listed on the CRL/Inventory
Decode For Legislative: Not reported
Alias Name: Ash Street Development

Hazardous Release:
Substance ID.: 120781
Haz Release ID: 387964
Qty Released: unknown
Date Released: unknown
Update Date: 04/18/2012
Update By: KDANA
Substance Code: 100-41-4
Substance Name: ETHYLBENZENE
Substance Abbrev.: Not reported
Substance Category ID: 8515
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8515
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316146
Sub Alias Name: ETHYLBENZOL
Substance Alias ID: 316147
Sub Alias Name: PHENYLETHANE
Comment ID: 305419
Release Code: Media Contamination Footnote
Release Comments: 2010 air sample = sub-slab vapor sample.2012 air sample = soil gas sample
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305420
Release Code: Release Containment
Release Comments: Soil sample collected from B2. Sub-slab vapor sample from SUB05. Soil gas sample from SG03.
Decode for Relcomcd: Release Containment
Sampling Result ID: 350411
Feature Id: 0
Hazard Release Id: 387964
Medium: 697
Substance Abbrev.: 0

SALVATION ARMY FACILITY (Continued) **S110818319**

Unit Code: 95
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: sub-slab
Start Date: 12/02/2010
End Date: 12/02/2010
Min Concentration: Not reported
Max Concentration: 600.00
Sample Comment: up to 600 ug/m3
Last Update By: KDANA
Update Date: 04/18/2012
Decode for MediumID: Air
Sampling Result ID: 350412
Feature Id: 0
Hazard Release Id: 387964
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 5 ft bgs
Start Date: 12/07/2010
End Date: 12/07/2010
Min Concentration: Not reported
Max Concentration: 62.00
Sample Comment: up to 62 ppm
Last Update By: KDANA
Update Date: 04/18/2012
Decode for MediumID: Soil
Sampling Result ID: 350442
Feature Id: 0
Hazard Release Id: 387964
Medium: 697
Substance Abbrev.: 0
Unit Code: 95
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 8 ft bgs
Start Date: 01/03/2012
End Date: 01/03/2012
Min Concentration: Not reported
Max Concentration: 23000.00
Sample Comment: up to 23,000 ug/m3
Last Update By: KDANA
Update Date: 06/19/2012
Decode for MediumID: Air

Substance ID.: 121868
Haz Release ID: 387965
Qty Released: unknown
Date Released: unknown
Update Date: 04/18/2012
Update By: KDANA
Substance Code: 91-20-3

SALVATION ARMY FACILITY (Continued) **S110818319**

Substance Name: NAPHTHALENE
Substance Abbrev.: Not reported
Substance Category ID: 8494
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8494
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317793
Sub Alias Name: MOTH BALLS
Substance Alias ID: 317794
Sub Alias Name: NAPHTHENE
Substance Alias ID: 317795
Sub Alias Name: TAR CAMPHOR
Comment ID: 305424
Release Code: Media Contamination Footnote
Release Comments: Air sample = sub-slab vapor sample
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305425
Release Code: Release Containment
Release Comments: Soil sample collected from Boring B2. Sub-slab vapor sample collected from SUB05.
Decode for Relcomcd: Release Containment
Sampling Result ID: 350413
Feature Id: 0
Hazard Release Id: 387965
Medium: 697
Substance Abbrev.: 0
Unit Code: 95
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: sub-slab
Start Date: 12/02/2010
End Date: 12/02/2010
Min Concentration: Not reported
Max Concentration: 600.00
Sample Comment: up to 600 ug/m3
Last Update By: KDANA
Update Date: 04/18/2012
Decode for MediumID: Air
Sampling Result ID: 350414
Feature Id: 0
Hazard Release Id: 387965
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 5 ft bgs
Start Date: 12/07/2010
End Date: 12/07/2010

SALVATION ARMY FACILITY (Continued) **S110818319**

Min Concentration: Not reported
Max Concentration: 67.00
Sample Comment: up to 67 ppm
Last Update By: KDANA
Update Date: 04/18/2012
Decode for MediumID: Soil

Substance ID.: 121011
Haz Release ID: 387966
Qty Released: unknown
Date Released: unknown
Update Date: 04/18/2012
Update By: KDANA
Substance Code: 127-18-4
Substance Name: TETRACHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316912
Sub Alias Name: ETHENE,TETRACHLORO-
Substance Alias ID: 316913
Sub Alias Name: ETHYLENE TETRACHLORIDE
Substance Alias ID: 316914
Sub Alias Name: PERCHLOROETHYLENE
Substance Alias ID: 316915
Sub Alias Name: PERCLENE
Substance Alias ID: 316916
Sub Alias Name: TETRACHLOROETHENE
Substance Alias ID: 316917
Sub Alias Name: TETRACHLOROETHENE,1,1,2,2-
Substance Alias ID: 316918
Sub Alias Name: TETRACHLOROETHYLENE,1,1,2,2-
Comment ID: 305427
Release Code: Media Contamination Footnote
Release Comments: 2010 air sample = sub-slab vapor sample.2012 air sample = soil gas sample
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305428
Release Code: Release Containment

SALVATION ARMY FACILITY (Continued) **S110818319**

Release Comments:	Soil sample collected from Boring B5. Sub-slab vapor sample collected from SUB05. Soil gas sample from SG03.
Decode for Relcomcd:	Release Containment
Comment ID:	305443
Release Code:	General Comments
Release Comments:	Also known as perchloroethylene or PCE
Decode for Relcomcd:	General Comments
Sampling Result ID:	350415
Feature Id:	0
Hazard Release Id:	387966
Medium:	697
Substance Abbrev.:	0
Unit Code:	95
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	sub-slab
Start Date:	12/02/2010
End Date:	12/02/2010
Min Concentration:	Not reported
Max Concentration:	2600.00
Sample Comment:	up to 2,600 ug/m3
Last Update By:	KDANA
Update Date:	04/18/2012
Decode for MediumID:	Air
Sampling Result ID:	350416
Feature Id:	0
Hazard Release Id:	387966
Medium:	703
Substance Abbrev.:	0
Unit Code:	7
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	2 ft bgs
Start Date:	12/07/2010
End Date:	12/07/2010
Min Concentration:	Not reported
Max Concentration:	.26
Sample Comment:	up to 0.26 ppm
Last Update By:	KDANA
Update Date:	04/18/2012
Decode for MediumID:	Soil
Sampling Result ID:	350444
Feature Id:	0
Hazard Release Id:	387966
Medium:	697
Substance Abbrev.:	0
Unit Code:	95
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	8 ft bgs
Start Date:	01/03/2012
End Date:	01/03/2012
Min Concentration:	Not reported
Max Concentration:	480.00

SALVATION ARMY FACILITY (Continued) **S110818319**

Sample Comment: up to 480 ug/m3
Last Update By: KDANA
Update Date: 06/25/2012
Decode for MediumID: Air

Substance ID.: 121982
Haz Release ID: 387967
Qty Released: unknown
Date Released: unknown
Update Date: 04/18/2012
Update By: KDANA
Substance Code: ECD169
Substance Name: DIESEL - FUEL OIL
Substance Abbrev.: Not reported
Substance Category ID: 8529
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8529
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Comment ID: 305416
Release Code: Media Contamination Footnote
Release Comments: Air sample = sub-slab vapor sample
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305417
Release Code: Release Containment
Release Comments: Soil sample collected from Boring B5. Groundwater sample collected from Boring B17. Sub-slab vapor sample collected from SUB01.
Decode for Relcomcd: Release Containment
Sampling Result ID: 350417
Feature Id: 0
Hazard Release Id: 387967
Medium: 697
Substance Abbrev.: 0
Unit Code: 95
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: sub-slab
Start Date: 12/02/2010
End Date: 12/02/2010
Min Concentration: Not reported
Max Concentration: 43000.00
Sample Comment: up to 43,000 ug/m3
Last Update By: KDANA
Update Date: 04/18/2012
Decode for MediumID: Air
Sampling Result ID: 350418
Feature Id: 0
Hazard Release Id: 387967
Medium: 703
Substance Abbrev.: 0
Unit Code: 7

SALVATION ARMY FACILITY (Continued) **S110818319**

Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 2 ft bgs
Start Date: 12/07/2010
End Date: 12/07/2010
Min Concentration: Not reported
Max Concentration: 11000.00
Sample Comment: up to 11,000 ppm
Last Update By: KDANA
Update Date: 04/18/2012
Decode for MediumID: Soil
Sampling Result ID: 350439
Feature Id: 0
Hazard Release Id: 387967
Medium: 698
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 23 ft bgs
Start Date: 12/22/2011
End Date: 12/22/2011
Min Concentration: Not reported
Max Concentration: 1500.00
Sample Comment: up to 1,500 ppb
Last Update By: KDANA
Update Date: 06/19/2012
Decode for MediumID: Groundwater

Substance ID.: 121983
Haz Release ID: 387968
Qty Released: unknown
Date Released: unknown
Update Date: 04/18/2012
Update By: KDANA
Substance Code: ECD173
Substance Name: GASOLINE
Substance Abbrev.: Not reported
Substance Category ID: 8530
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8530
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Comment ID: 305422
Release Code: Release Containment
Release Comments: Soil samples collected from B2 (2010) and B17 (2011). Groundwater sample from B17. Soil gas sample from SG03.
Decode for Relcomcd: Release Containment
Comment ID: 305438
Release Code: Media Contamination Footnote

SALVATION ARMY FACILITY (Continued) **S110818319**

Release Comments:	Air sample = soil gas sample
Decode for Relcomcd:	Media Contamination Footnote
Sampling Result ID:	350419
Feature Id:	0
Hazard Release Id:	387968
Medium:	703
Substance Abbrev.:	0
Unit Code:	7
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	5 ft bgs
Start Date:	12/07/2010
End Date:	12/07/2010
Min Concentration:	Not reported
Max Concentration:	1100.00
Sample Comment:	up to 1,100 ppm
Last Update By:	KDANA
Update Date:	04/18/2012
Decode for MediumID:	Soil
Sampling Result ID:	350437
Feature Id:	0
Hazard Release Id:	387968
Medium:	703
Substance Abbrev.:	0
Unit Code:	7
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	14 ft bgs
Start Date:	12/22/2011
End Date:	12/22/2011
Min Concentration:	Not reported
Max Concentration:	6300.00
Sample Comment:	up to 6,300 ppm
Last Update By:	KDANA
Update Date:	06/19/2012
Decode for MediumID:	Soil
Sampling Result ID:	350438
Feature Id:	0
Hazard Release Id:	387968
Medium:	698
Substance Abbrev.:	0
Unit Code:	8
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	23 ft bgs
Start Date:	12/22/2011
End Date:	12/22/2011
Min Concentration:	Not reported
Max Concentration:	1100.00
Sample Comment:	up to 1,100 ppb
Last Update By:	KDANA
Update Date:	06/19/2012
Decode for MediumID:	Groundwater
Sampling Result ID:	350441

SALVATION ARMY FACILITY (Continued) **S110818319**

Feature Id: 0
Hazard Release Id: 387968
Medium: 697
Substance Abbrev.: 0
Unit Code: 95
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 8 ft bgs
Start Date: 01/03/2012
End Date: 01/03/2012
Min Concentration: Not reported
Max Concentration: 17000000.00
Sample Comment: up to 17,000,000 ug/m3
Last Update By: KDANA
Update Date: 06/19/2012
Decode for MediumID: Air

Substance ID.: 122085
Haz Release ID: 387983
Qty Released: unknown
Date Released: unknown
Update Date: 06/19/2012
Update By: KDANA
Substance Code: 8052-41-3
Substance Name: STODDARD SOLVENTS
Substance Abbrev.: Not reported
Comment ID: 305436
Release Code: Release Containment
Release Comments: Sample collected from Boring B17
Decode for Relcomcd: Release Containment
Comment ID: 305437
Release Code: General Comments
Release Comments: Stoddard solvent is a petroleum-based dry cleaning solvent
Decode for Relcomcd: General Comments
Sampling Result ID: 350440
Feature Id: 0
Hazard Release Id: 387983
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 14 ft bgs
Start Date: 12/22/2011
End Date: 12/22/2011
Min Concentration: Not reported
Max Concentration: 11000.00
Sample Comment: up to 11,000 ppm
Last Update By: KDANA
Update Date: 06/19/2012
Decode for MediumID: Soil

Substance ID.: 121608
Haz Release ID: 387984
Qty Released: unknown

SALVATION ARMY FACILITY (Continued) **S110818319**

Date Released: unknown
Update Date: 06/19/2012
Update By: KDANA
Substance Code: 71-43-2
Substance Name: BENZENE
Substance Abbrev.: Not reported
Substance Category ID: 8502
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8502
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319178
Sub Alias Name: BENZOL
Substance Alias ID: 319179
Sub Alias Name: COAL NAPTHA
Substance Alias ID: 319180
Sub Alias Name: CYCLOHEXATRIENE
Substance Alias ID: 319181
Sub Alias Name: PHENE
Substance Alias ID: 319182
Sub Alias Name: PYROBENZOL
Comment ID: 305439
Release Code: Release Containment
Release Comments: Soil gas sample collected from SG03
Decode for Relcomcd: Release Containment
Comment ID: 305440
Release Code: Media Contamination Footnote
Release Comments: Air sample = soil gas sample
Decode for Relcomcd: Media Contamination Footnote
Sampling Result ID: 350443
Feature Id: 0
Hazard Release Id: 387984
Medium: 697
Substance Abbrev.: 0
Unit Code: 95
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 8 ft bgs
Start Date: 01/03/2012
End Date: 01/03/2012
Min Concentration: Not reported
Max Concentration: 4100.00
Sample Comment: up to 4,100 ug/m3
Last Update By: KDANA
Update Date: 06/19/2012
Decode for MediumID: Air

Substance ID.: 121912
Haz Release ID: 387986
Qty Released: unknown
Date Released: unknown

SALVATION ARMY FACILITY (Continued) **S110818319**

Update Date: 06/25/2012
Update By: KDANA
Substance Code: 95-63-6
Substance Name: TRIMETHYLBENZENE,1,2,4-
Substance Abbrev.: Not reported
Substance Alias ID: 317959
Sub Alias Name: BENZENE,1,2,5-TRIMETHYL-
Substance Alias ID: 317960
Sub Alias Name: CUMENE,psi-
Substance Alias ID: 317961
Sub Alias Name: PSEUDOCUMENE
Substance Alias ID: 317962
Sub Alias Name: PSEUDOCUMOL
Substance Alias ID: 317963
Sub Alias Name: TRIMETHYLBENZENE,asym-
Comment ID: 305441
Release Code: Media Contamination Footnote
Release Comments: 2010 air sample = sub-slab vapor sample.2012 air sample = soil gas sample
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305442
Release Code: Release Containment
Release Comments: Soil sample collected from B2. Sub-slab vapor sample from SUB05. Soil gas sample from SG03.
Decode for Relcomcd: Release Containment
Sampling Result ID: 350445
Feature Id: 0
Hazard Release Id: 387986
Medium: 697
Substance Abbrev.: 0
Unit Code: 95
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: sub-slab
Start Date: 12/02/2010
End Date: 12/02/2010
Min Concentration: Not reported
Max Concentration: 16000.00
Sample Comment: up to 16,000 ug/m3
Last Update By: KDANA
Update Date: 06/25/2012
Decode for MediumID: Air
Sampling Result ID: 350446
Feature Id: 0
Hazard Release Id: 387986
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 5 ft bgs
Start Date: 12/07/2010
End Date: 12/07/2010
Min Concentration: Not reported
Max Concentration: 280.00

SALVATION ARMY FACILITY (Continued) **S110818319**

Sample Comment: up to 280 ppm
Last Update By: KDANA
Update Date: 06/25/2012
Decode for MediumID: Soil
Sampling Result ID: 350447
Feature Id: 0
Hazard Release Id: 387986
Medium: 697
Substance Abbrev.: 0
Unit Code: 95
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 8 ft bgs
Start Date: 01/03/2012
End Date: 01/03/2012
Min Concentration: Not reported
Max Concentration: 9500.00
Sample Comment: up to 9,500 ug/m3
Last Update By: KDANA
Update Date: 06/25/2012
Decode for MediumID: Air

Substance ID.: 121051
Haz Release ID: 388183
Qty Released: unknown
Date Released: unknown
Update Date: 11/27/2013
Update By: KDANA
Substance Code: 1330-20-7
Substance Name: XYLENEs
Substance Abbrev.: Not reported
Substance Category ID: 8526
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8526
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317017
Sub Alias Name: DIMETHYLBENZENEs
Substance Alias ID: 317018
Sub Alias Name: XYLOLs
Comment ID: 305613
Release Code: Media Contamination Footnote
Release Comments: 2010 air sample = sub-slab vapor sample.2012 air sample = soil gas sample
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 305614
Release Code: Release Containment
Release Comments: Soil sample collected from B2. Sub-slab vapor sample from SUB05. Soil gas sample from SG03.
Decode for Relcomcd: Release Containment
Sampling Result ID: 350652

SALVATION ARMY FACILITY (Continued) **S110818319**

Feature Id:	0
Hazard Release Id:	388183
Medium:	697
Substance Abbrev.:	0
Unit Code:	95
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	sub-slab
Start Date:	12/02/2010
End Date:	12/02/2010
Min Concentration:	Not reported
Max Concentration:	16900.00
Sample Comment:	up to 16,900 ug/m3
Last Update By:	KDANA
Update Date:	11/27/2013
Decode for MediumID:	Air
Sampling Result ID:	350653
Feature Id:	0
Hazard Release Id:	388183
Medium:	703
Substance Abbrev.:	0
Unit Code:	7
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	5 ft bgs
Start Date:	12/07/2010
End Date:	12/07/2010
Min Concentration:	Not reported
Max Concentration:	390.00
Sample Comment:	up to 390 ppm
Last Update By:	KDANA
Update Date:	11/27/2013
Decode for MediumID:	Soil
Sampling Result ID:	350654
Feature Id:	0
Hazard Release Id:	388183
Medium:	697
Substance Abbrev.:	0
Unit Code:	95
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	8 ft bgs
Start Date:	01/03/2012
End Date:	01/03/2012
Min Concentration:	Not reported
Max Concentration:	29000.00
Sample Comment:	up to 29,000 ug/m3
Last Update By:	KDANA
Update Date:	11/27/2013
Decode for MediumID:	Air

Narrative:

NARR ID:	5753901
NARR Code:	Contamination
Created By:	GWISTAR

SALVATION ARMY FACILITY (Continued) **S110818319**

Created Date: 02/29/2012
Updated By: KDANA
Updated Date: 02/11/2014
Decode for NarcdID: Contamination
NARR Comments: (12/05/2013 KPD/VCS) Fifteen borings were advanced at the site in December 2010 as part of an environmental assessment. Twenty soil samples and five sub-slab vapor samples were analyzed for petroleum products and volatile organic compounds. Diesel and VOCs were detected in all five vapor samples. Gasoline and VOCs were detected in the soil in the NW corner of the building, and diesel was detected in a soil sample from the SW quarter of the block. The consultant determined that the extent of vapor concerns at the site needed to be better defined.Ten additional soil samples were collected from borings advanced through the floor of the building in December 2011. No petroleum products were detected in the samples. Additional borings were advanced through the sidewalk along 3rd Avenue. Gasoline and Stoddard solvent were detected in soil samples near the SW corner of the block. Groundwater was encountered at 20-25 ft bgs and was impacted with gasoline and diesel.In January 2012, four soil gas samples were collected from eight feet beneath 3rd Avenue and Ash Street. Gasoline and VOCs were detected in all four samples, with the highest concentrations beneath 3rd Avenue roughly mid-block between Ankeny and Ash. In February, samples were collected on the west side of 3rd Avenue (across from the site) to determine the extent of contamination. No petroleum products were detected in the soil, but one groundwater sample showed gasoline and diesel, and a soil gas sample showed gasoline and VOCs.

NARR ID: 5753376
NARR Code: Data Sources
Created By: RWELLS
Created Date: 07/15/2011
Updated By: KDANA
Updated Date: 06/18/2012
Decode for NarcdID: Data Sources
NARR Comments: 1) EVREN Northwest ***Phase I Environmental Site Assessment*** (November 2010).2) EVREN Northwest ***Phase II Environmental Site Assessment*** (January 2011).3) EVREN Northwest ***Independent Cleanup Report - Remedial Action Plan*** (March 2012).4) LUST file #26-96-0268.

NARR ID: 5753056
NARR Code: Hazardous Substance/Waste Types
Created By: RWELLS
Created Date: 03/23/2011
Updated By: KDANA
Updated Date: 11/27/2013
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Gasoline, diesel, Stoddard solvent, PCE, benzene, ethylbenzene, naphthalene, 1,2,4-TMB, xylenes

NARR ID: 5753059
NARR Code: Land Use (Current/Reasonably Likely)
Created By: RWELLS
Created Date: 03/23/2011
Updated By: RWELLS
Updated Date: 03/23/2011

SALVATION ARMY FACILITY (Continued) **S110818319**

Decode for NarcdID: Land Use (Current/Reasonably Likely)
NARR Comments: Current and proposed future land use is commercial. Surrounding properties are commercial and industrial in nature.

NARR ID: 5753060
NARR Code: Site Location
Created By: RWELLS
Created Date: 03/23/2011
Updated By: KDANA
Updated Date: 04/17/2012
Decode for NarcdID: Site Location
NARR Comments: The building occupies three-quarters of the block bounded by SE Ankeny Street to the north, SE Martin Luther King Jr. Boulevard to the east, SE Ash Street to the south, and SE 3rd Avenue to the west. The NE quarter of the block (occupied by a surface parking lot) is a separate tax lot under separate ownership.

NARR ID: 5754076
NARR Code: Manner of Release
Created By: KDANA
Created Date: 06/28/2012
Updated By: KDANA
Updated Date: 06/28/2012
Decode for NarcdID: Manner of Release
NARR Comments: Unknown; presumably from waste handling and disposal practices by prior operators. Also leaking underground storage tanks.

NARR ID: 5754077
NARR Code: Media Contamination
Created By: KDANA
Created Date: 06/28/2012
Updated By: KDANA
Updated Date: 06/28/2012
Decode for NarcdID: Media Contamination
NARR Comments: Soil at the site has been impacted by gasoline, diesel, Stoddard solvent, and chlorinated solvent (PCE). The gasoline and diesel contamination extends to groundwater. Soil gas and sub-slab vapors have also been impacted by petroleum products, volatile petroleum constituents, and PCE.

NARR ID: 5754015
NARR Code: Site Ownership
Created By: KDANA
Created Date: 04/17/2012
Updated By: KDANA
Updated Date: 04/17/2012
Decode for NarcdID: Site Ownership
NARR Comments: The Salvation Army has owned the site since February 1964

NARR ID: 5754014
NARR Code: Pathways Other Hazards
Created By: KDANA
Created Date: 04/17/2012
Updated By: KDANA
Updated Date: 06/28/2012
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Sub-slab vapor samples collected from beneath the building showed

SALVATION ARMY FACILITY (Continued) **S110818319**

diesel and volatile organic compounds (VOCs). However, significant concentrations of VOCs were only detected in one soil sample beneath the NW corner of the building. Gasoline and Stoddard solvent were detected in deeper soil samples (15-25 ft bgs) beneath the sidewalk along 3rd Avenue on the west side of the building. Gasoline and diesel were detected in groundwater (20-25 ft bgs) beneath 3rd Avenue.
Not reported

NARR ID: 5754053
NARR Code: Remedial Action
Created By: KDANA
Created Date: 06/18/2012
Updated By: KDANA
Updated Date: 02/11/2014
Decode for NarcdID: Remedial Action
NARR Comments: (12/05/2013 KPD/VCS) In 1996, a 6,000-gallon diesel UST was removed from the NW corner of the site (beneath the sidewalk along Ankeny). Confirmation soil sampling found only 47 ppm TPH. DEQ issued an NFA letter for the decommissioning in August 1996. (See LUST file #26-96-0268 for more information).

NARR ID: 5753377
NARR Code: Substances of Concern
Created By: RWELLS
Created Date: 07/15/2011
Updated By: RWELLS
Updated Date: 07/15/2011
Decode for NarcdID: Substances of Concern
NARR Comments: TPH-Gx, TPH-Dx, BTEX, naphthalene, PCE, 1,2,4 trimethylbenzene, 1,3,5-trimethylbenzene, arsenic, TCE.

NARR ID: 5754078
NARR Code: Health Threats
Created By: KDANA
Created Date: 06/28/2012
Updated By: KDANA
Updated Date: 06/28/2012
Decode for NarcdID: Health Threats
NARR Comments: The primary health threat is from subsurface contaminants volatilizing and impacting indoor air. No indoor air samples have been collected to demonstrate or rule out this threat, however. Groundwater in the area has no identified beneficial use, and contaminated soils are generally inaccessible.

NARR ID: 5753061
NARR Code: Water Use (Current/Reasonably Likely)
Created By: RWELLS
Created Date: 03/23/2011
Updated By: RWELLS
Updated Date: 03/23/2011
Decode for NarcdID: Water Use (Current/Reasonably Likely)
NARR Comments: The city of Portland currenty provides potable water to the site and will continue to do so in the forseeable future. A search of the Oregon Water Resources database did not identify any groundwater wells on the subject site.

NARR ID: 5753057

SALVATION ARMY FACILITY (Continued) **S110818319**

NARR Code: Site History
Created By: RWELLS
Created Date: 03/23/2011
Updated By: KDANA
Updated Date: 02/11/2014
Decode for NarcdID: Site History
NARR Comments: Cleaning and dyeing companies were established on the block as of the first decade of the 1900s. Star Laundry, on the NE corner of the block, was replaced by a creamery by 1924. Ankeny Auto Service was established in the NW quarter of the block by 1935. As of 1950, the site was occupied by Ankeny Auto Service (NW quarter), Enkes City Dye Works (SW quarter), and a carpet cleaning company (SE quarter). (The NE quarter of the block was vacant). Enkes apparently left in the mid-1950s and was replaced by the Salvation Army, followed by Ankeny soon after 1960. The Salvation Army reportedly purchased the property in February 1964, and operated there until about 2010. The building is currently vacant.Prospective purchasers of the property submitted applications for a Prospective Purchaser Agreement (PPA) to DEQ in January 2011 and March 2012. Both applicants completed environmental investigations at the site, but each ultimately backed out (in June 2011 and May 2012, respectively) before purchasing the property or completing a PPA. A third PPA application was received in March 2013, and a proposed Consent Judgment PPA was released for public comment in June 2013. No comments were received. The Consent Judgment was finalized in November 2013 and signed by the court on December 5, 2013.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 03/23/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/23/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9506
Region: Northwestern Region
Complete Date: 06/08/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/08/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Investigation recommended (SI)
Further Action: Medium-Low
Comments: Not reported

Action ID: 9465
Region: Northwestern Region

SALVATION ARMY FACILITY (Continued) **S110818319**

Complete Date: 06/08/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/08/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9438
Region: Northwestern Region
Complete Date: 09/21/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/21/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9439
Region: Northwestern Region
Complete Date: 09/21/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/21/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: 0
Comments: Not reported

Action ID: 9467
Region: Northwestern Region
Complete Date: 06/08/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/29/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: 0
Comments: Not reported

Action ID: 9459
Region: Northwestern Region
Complete Date: 03/23/2011

SALVATION ARMY FACILITY (Continued) **S110818319**

Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/17/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: 0
Comments: Phase II Environmental Site Assessment (completed by EVREN Northwest on January 24, 2011) is equivalent to a Preliminary Assessment.

Action ID: 9442
Region: Northwestern Region
Complete Date: 06/08/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/17/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NEGOTIATIONS
Further Action: 0
Comments: DEQ received an Application for a Prospective Purchaser Agreement on January 5, 2011. The Applicant subsequently notified DEQ on June 8, 2011 that they were no longer interested in purchasing the property.

Action ID: 9464
Region: Northwestern Region
Complete Date: 12/05/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/12/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Prospective Purchaser Agreement
Further Action: 0
Comments: PPA 13-04: Ash Street Development LLC

Action ID: 9464
Region: Northwestern Region
Complete Date: 05/31/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/29/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Prospective Purchaser Agreement
Further Action: 0
Comments: PPA 12-03: J&R Group LLC; PPA not completed.

Action ID: 9410

SALVATION ARMY FACILITY (Continued) **S110818319**

Region: Northwestern Region
Complete Date: 12/05/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/05/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Consent Decree
Further Action: 0
Comments: Not reported

Operations:
Operation Id: 135892
Operation Status: Inactive
Common Name: Salvation Army
Yrs of Operation: Approx. mid-1950s to 2010
Comments: Not reported
Updated Date: 06/19/2012
Updated By: KDANA
Decode for OpstatID: Inactive
Operations SIC Id: 199345
SIC Code: 8322
Created By: KDANA
Created Date: 06/19/2012

CRL:
Facility ID: 5555
Location ID: 27607
Status Code: LIS
Facility Status: Consent Decree
Lat/Long: 45.522 / -122.6623

VCS:
ECS Site ID: 5555
Facility Size: 0.64 acres
Action: Consent Decree
Start Date: 12/05/2013
End Date: 12/05/2013
Facility Status: Active
Program: VCP
Latitude: 45.52199
Longitude: -122.6623

OR BROWNFIELDS:
Geolocation Id: 27607
Status: Consent Decree
Lat/Long: 45.522 / -122.662

DX552 **EAST PORTLAND GAS WORKS (FORMER)** **EDR MGP** **1012008547**
NNW **110 SE 2ND AVE. & 5 SE MARTIN LUTHER KING, JR. BLVD.** **N/A**
1/2-1 **PORTLAND, OR 97214**
0.632 mi.
3339 ft. **Site 1 of 3 in cluster DX**

Relative:
Higher

Actual:
50 ft.

Manufactured Gas Plants:
No additional information available

DX553 **E PORTLAND GAS WORKS (FORMER)** **OR ECSI** **S107692390**
NNW **110 SE 2ND AVE.** **OR VCP** **N/A**
1/2-1 **PORTLAND, OR 97214**
0.632 mi.
3339 ft. **Site 2 of 3 in cluster DX**

Relative:
Higher

Actual:
50 ft.

ECSI:

State ID Number:	4426
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	Suspect
FACA ID:	88685
Further Action:	0
Lat/Long (dms):	45 31 19.20 / -122 39 47.50
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	N
Range Coord:	1.00
Range Zone:	E
Section Coord:	34
Qtr Section:	DD
Tax Lots:	1400
Size:	0.92 acres
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	07/14/2014
Created Date:	06/07/2005
Decode For RegionID:	Northwest Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	Suspect
Decode For Legislative:	Not reported
Alias Name:	East Portland Gas Works
Alias Name:	East Side Gas Works
Alias Name:	Portland Gas Light Co.

Hazardous Release:

Substance ID.:	121462
Haz Release ID:	388011
Qty Released:	Unknown
Date Released:	Unknown
Update Date:	08/09/2012
Update By:	SFORTUN
Substance Code:	56-55-3

E PORTLAND GAS WORKS (FORMER) (Continued) **S107692390**

Substance Name: BENZO(a)ANTHRACENE
Substance Abbrev.: Not reported
Substance Category ID: 8475
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8475
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318790
Sub Alias Name: BENZ(a)ANTHRACENE
Substance Alias ID: 318791
Sub Alias Name: BENZANTHRACENE,1,2-
Substance Alias ID: 318792
Sub Alias Name: BENZANTHRENE
Substance Alias ID: 318793
Sub Alias Name: BENZOANTHRACENE
Substance Alias ID: 318794
Sub Alias Name: BENZPHENANTHRENE,2,3-
Substance Alias ID: 318795
Sub Alias Name: NAPHTHANTHRACENE
Substance Alias ID: 318796
Sub Alias Name: TETRAPHENE
Sampling Result ID: 350492
Feature Id: 0
Hazard Release Id: 388011
Medium: 698
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 8 ft bgs
Start Date: 04/17/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: .80
Sample Comment: 0.8 ppb Benzo(a)anthracene in groundwater from north (LUST) excavation pit on Tax Lot 1400 (4/17/92).
Last Update By: SFORTUN
Update Date: 08/09/2012
Decode for MediumID: Groundwater

Substance ID.: 121210
Haz Release ID: 388012
Qty Released: Unknown
Date Released: Unknown
Update Date: 08/09/2012
Update By: SFORTUN
Substance Code: 218-01-9
Substance Name: CHRYSENE
Substance Abbrev.: Not reported
Substance Category ID: 8481
Substance Category: Semi-volatiles

E PORTLAND GAS WORKS (FORMER) (Continued) **S107692390**

Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8481
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317438
Sub Alias Name: BENZ(a)PHENANTHRENE
Substance Alias ID: 317439
Sub Alias Name: BENZPHENANTHRENE,1,2-
Substance Alias ID: 317440
Sub Alias Name: DIBENZONAPHTHALENE,1,2,5,6-
Sampling Result ID: 350493
Feature Id: 0
Hazard Release Id: 388012
Medium: 698
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 8 ft bgs
Start Date: 04/17/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: .90
Sample Comment: 0.9 ppb Chrysene in groundwater from north (LUST) excavation pit on Tax Lot 1400 (4/17/92).
Last Update By: SFORTUN
Update Date: 08/09/2012
Decode for MediumID: Groundwater

Substance ID.: 121192
Haz Release ID: 388013
Qty Released: Unknown
Date Released: Unknown
Update Date: 08/09/2012
Update By: SFORTUN
Substance Code: 205-99-2
Substance Name: BENZO(b)FLUORANTHENE
Substance Abbrev.: Not reported
Substance Category ID: 8477
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8477
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317390
Sub Alias Name: B(b)F
Substance Alias ID: 317391
Sub Alias Name: BENZ(e)ACEPHENANTHRYLENE

E PORTLAND GAS WORKS (FORMER) (Continued) **S107692390**

Substance Alias ID: 317392
Sub Alias Name: BENZFLUORANTHENE,3,4-
Substance Alias ID: 317393
Sub Alias Name: BENZOFLUORANTHENE,2,3-
Substance Alias ID: 317394
Sub Alias Name: BENZOFLUORANTHENE,3,4-
Sampling Result ID: 350494
Feature Id: 0
Hazard Release Id: 388013
Medium: 698
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 8 ft bgs
Start Date: 04/17/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: .80
Sample Comment: 0.8 ppb Benzo(b)fluoranthene in groundwater from north (LUST) excavation pit on Tax Lot 1400 (4/17/92).
Last Update By: SFORTUN
Update Date: 08/09/2012
Decode for MediumID: Groundwater

Substance ID.: 121374
Haz Release ID: 388014
Qty Released: Unknown
Date Released: Unknown
Update Date: 08/09/2012
Update By: SFORTUN
Substance Code: 50-32-8
Substance Name: BENZO(a)PYRENE
Substance Abbrev.: Not reported
Substance Category ID: 8476
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8476
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318559
Sub Alias Name: B(a)P
Substance Alias ID: 318560
Sub Alias Name: BENZOPYRENE,3,4-
Substance Alias ID: 318561
Sub Alias Name: BENZPYRENE,3,4-
Substance Alias ID: 318562
Sub Alias Name: BP
Sampling Result ID: 350495
Feature Id: 0
Hazard Release Id: 388014
Medium: 698

E PORTLAND GAS WORKS (FORMER) (Continued) **S107692390**

Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 8 ft bgs
Start Date: 04/17/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: .80
Sample Comment: 0.8 ppb Benzo(a)pyrene in groundwater from north (LUST) excavation pit on Tax Lot 1400 (4/17/92).
Last Update By: SFORTUN
Update Date: 08/09/2012
Decode for MediumID: Groundwater

Substance ID.: 121415
Haz Release ID: 388015
Qty Released: Unknown
Date Released: Unknown
Update Date: 08/09/2012
Update By: SFORTUN
Substance Code: 53-70-3
Substance Name: DIBENZO(a,h)ANTHRACENE
Substance Abbrev.: Not reported
Substance Category ID: 8499
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8499
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318667
Sub Alias Name: DB(a,h)A
Substance Alias ID: 318668
Sub Alias Name: DIBENZ(a,h)ANTHRACENE
Substance Alias ID: 318669
Sub Alias Name: DIBENZANTHRACENE,1,2-5,6-
Substance Alias ID: 318670
Sub Alias Name: DIBENZANTHRACENE,1,2:5,6-
Sampling Result ID: 350496
Feature Id: 0
Hazard Release Id: 388015
Medium: 698
Substance Abbrev.: 0
Unit Code: 8
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 8 ft bgs
Start Date: 04/17/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: .20

E PORTLAND GAS WORKS (FORMER) (Continued) **S107692390**

Sample Comment: 0.2 ppb Dibenzo(a,h)anthracene in groundwater from north (LUST) excavation pit on Tax Lot 1400 (4/17/92).
Last Update By: SFORTUN
Update Date: 08/09/2012
Decode for MediumID: Groundwater

Substance ID.: 122012
Haz Release ID: 388018
Qty Released: Unknown
Date Released: Unknown
Update Date: 08/10/2012
Update By: SFORTUN
Substance Code: ECD275
Substance Name: TOTAL PETROLEUM HYDROCARBONS (TPH)
Substance Abbrev.: Not reported
Substance Category ID: 8540
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8540
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Sampling Result ID: 350501
Feature Id: 0
Hazard Release Id: 388018
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 2.5 ft - 16.0 ft bgs
Start Date: 05/21/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 2200.00
Sample Comment: 2,200 ppm TPH as Diesel Fuel (ID'd Stoddard solvent) left in place at 11.5 ft bgs (sample 4-14-3), North extent. 1,800 ppm TPH left in place at 4.5 ft bgs (sample 4-13-1), North extent.1,200 ppm TPH left in place at 2.5 feet bgs (sample 5-21-6), SW.
Last Update By: SFORTUN
Update Date: 08/10/2012
Decode for MediumID: Soil

Narrative:
NARR ID: 5754133
NARR Code: Site Contacts
Created By: SFORTUN
Created Date: 08/09/2012
Updated By: GWISTAR
Updated Date: 04/22/2013
Decode for NarcdID: Site Contacts
NARR Comments: Michael G. MyersP.O. Box 14921Portland, OR 97293503-720-3313

NARR ID: 5753317

E PORTLAND GAS WORKS (FORMER) (Continued) **S107692390**

NARR Code: Contamination
Created By: CHARMAN
Created Date: 07/06/2011
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Contamination
NARR Comments: (6/7/05 SMF/SAS) Soils beneath former Manufactured Gas Holding Tanks are often heavily contaminated with hazardous substances that condense from the manufactured gas.(8/9/12, SMF/SAS) A total of 2,184 tons (approx. 1,670 cubic yards) of contaminated soil was removed from three areas of Tax Lot 1400 in 1992. Subsurface soil contamination was attributed to both a leaking underground gasoline storage tank and to releases from historic gas manufacturing operations. Subsurface contamination at the north end of Tax Lot 1400, extending below the top of the groundwater table and beneath SE Ankeny Street, was not removed. Subsurface contamination may also remain in the former UPRR railroad Right-of-Way at the southwest corner of Tax Lot 1400, and may also extend to the south, beneath SE Ash Street. Most analyses that were conducted during the soil removal activities were limited to HCID, TPH-G, TPH-D, TPH-418.1, and TCLP leachable metals analyses as indicators and to generally characterize the soils for waste disposal options, so the complete character of site contamination has not been well-defined. There is no indication that potential subsurface contamination at Tax Lot 400, the location of a former 200,000 cubic foot manufactured gas holding tank, has ever been investigated. Contaminants of potential concern include PAHs, BTEX, trimethylbenzenes, total metals, cyanide, and PCBs. Potential sources for relatively low concentrations of PCB detected at the southwest end of Tax Lot 1400 are unknown.

NARR ID: 5754090
NARR Code: Data Sources
Created By: SFORTUN
Created Date: 07/12/2012
Updated By: SFORTUN
Updated Date: 07/12/2012
Decode for NarcdID: Data Sources
NARR Comments: A Report on Underground Storage Tank Contaminated Soil Cleanup, John Alden Life Insurance Property, 220 SE Ankeny Street, Portland, Oregon, HAI Project #1958, prepared for John Alden Life Insurance Co., by Hahn and Associates, Inc., June 8, 1992.A Report on Petroleum Contaminated Soil Cleanup, John Alden Life Insurance Property, 220 SE Ankeny Street, Portland, Oregon, HAI Project #1958, prepared for John Alden Life Insurance Co., by Hahn and Associates, Inc., June 19, 1992.See LUST File 26-92-0006 for further information relating to the underground tank removal activities.Evidently, Technical Action Group, Inc. (TAG) previously performed Level I (Phase I Environmental Site Assessment, Block 65, Lots 1-8, East Portland Addition, prepared by Technical Action Group, Inc., December 31, 1991) and Level II (report title unknown, prepared by TAG in January 1992) environmental assessments for this property, although DEQ has not been able to obtained copies of either of these reports for review. A General Synopsis of TAG's Level II activities is included in Appendix A of Hahn and Associate's June 19, 1992 report. A November 7, 1987 survey map perpared by W.B. Wells and Associates, Inc. reportedly identified an historic fuel storage shed along the southern central boundary of Tax Lot 1400, although DEQ has not obtained a copy of the survey map

E PORTLAND GAS WORKS (FORMER) (Continued) **S107692390**

for review, and is unaware of the source of W.B. Wells' information.

NARR ID: 5754134
NARR Code: General Site Description
Created By: SFORTUN
Created Date: 08/09/2012
Updated By: GWISTAR
Updated Date: 04/22/2013
Decode for NarcdID: General Site Description
NARR Comments: Two tax lots in an industrial/commercial section of SE Portland, located on diagonally opposite corners of the intersection of SE 3rd Avenue and SE Ankeny Street. Tax Lot 1400 (this site), is the southwestern tax lot that occupies an entire city block, and is covered by paving and a 2-story building used as a fresh produce distribution facility. Tax Lot 400 (ECSI #5798), the northeastern tax lot, occupies 1/4 of a city block, and is a slightly elevated, paved parking lot for Fishel's Furniture, a retail furniture business.

NARR ID: 5754135
NARR Code: Hazardous Substance/Waste Types
Created By: SFORTUN
Created Date: 08/09/2012
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Manufactured Gas Plant wastes, which are typically comprised of coke, ash, coal tar, tar decanter sludge, ammonia liquor, and gas purifier wastes. Potential hazardous substances include PAHs, BTEX, trimethylbenzenes, phenols, toxic metals (often including arsenic, chromium, lead, and mercury), and cyanide. PCBs (Total PCBs, Aroclor 1260, and Aroclor 1262) have also been detected at relatively low concentrations in site soils.

NARR ID: 5754137
NARR Code: Project Issues Summary
Created By: SFORTUN
Created Date: 08/09/2012
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Project Issues Summary
NARR Comments: There is no indication that subsurface soils and groundwater beneath the former 200,000 cubic yard gas holder tank on Tax Lot 400 have ever been investigated for potential contamination from manufactured gas condensates.A substantial soil cleanup was conducted on Tax Lot 1400 in 1992, although subsurface contamination was never fully characterized. Soil contamination at the north end of the tax lot that extended beneath the top of the groundwater was not cleaned up. Shallow groundwater in this area was contaminated with PAHs, although the extent of groundwater contamination was not defined, and no groundwater cleanup was conducted. Subsurface soil contamination that extended beneath SE Ankeny Street was also left in place. Potential subsurface contamination was not explored in a former railroad Right-of-Way at the southwest corner of Tax Lot 1400. Subsurface contamination may also extend to the south beneath SE Ash Street. Relatively low concentrations of PCB from an unknown source were detected in soils at the southwestern end of the site. it's not known how extensively soils may have been contaminated with PCBs.It is not

E PORTLAND GAS WORKS (FORMER) (Continued) **S107692390**

known where or how wastes from former gas manufacturing plant were disposed. An apparent common local gas manufacturing plant waste disposal practice at the time was to use the wastes as fill in nearby low-lying areas. At the time that the gas plant was operating, undeveloped low-lying areas were present immediately to the north, northwest, west, and southwest of the plant. Any residual subsurface contamination might represent a potential risk for utility trench workers, future construction workers, a potential vapor intrusion risk for workers in nearby buildings, or a potential ecological risk to Threatened and Endangered salmonids in the river, or to consumers of fish caught from this reach of the river.

NARR ID: 5754138
NARR Code: Land Use (Current/Reasonably Likely)
Created By: SFORTUN
Created Date: 08/09/2012
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Land Use (Current/Reasonably Likely)
NARR Comments: Industrial and commercial. Public parks are located as near as 220 to 250 feet to the northwest (Portland Burnside skate park), and 590 feet to the west (Eastbank Esplanade).

NARR ID: 5753825
NARR Code: Site Location
Created By: GWISTAR
Created Date: 01/31/2012
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Site Location
NARR Comments: Location Summary: The site lies directly across the Willamette River from downtown Portland, and is comprised of two tax lots: Tax Lot 400 and Tax Lot 1400 of T1N/R1E-S34DD. Tax Lot 400 is NE of the intersection of SE 3rd Avenue and SE Ankeny Street, and Tax Lot 1400 is SW of the intersection. Tax Lot 400 occupies the southwestern quarter of East Portland Block 77, while Tax Lot 1400 occupies the entirety of East Portland Block 65. East Burnside Street, which is an elevated on-ramp to the east end of the Burnside Bridge in this area, lies along the northern edge of Block 77; SE M.L. King Jr. Blvd. (Oregon Hwy 99E) lies along the block's eastern edge. The Willamette River lies about 680 feet west of Block 65. Location Details: An 1899 Sanborn Fire Insurance Map shows the northern half of Tax Lot 1400 (then Block 950)(bounded by SE 2nd Ave (at that time, SE 2nd Street) on the west, SE 3rd Ave. (at that time, SE 3rd Street) on the east, SE Ankeny Street (at that time, G Street) on the north, and SE Ash Street (at that time, H Street) on the south as the location of E. Portland Gas Works. At that time, the site had a Gas Holder tank and a retort. A 1901 Sanborn Fire Insurance Map indicates a Gas Holder tank, Purifier Room, and Coal Shed on the northern half of Block 950, but notes that only the Gas Holder was in operation, being filled from Works on the West Side. (the note also mentions 3 retorts at the site). A 1909 Sanborn Fire Insurance Map indicates that a Gas Holder tank was present on Block 950, but was no longer used. However, diagonally across the intersection of E 3rd Street and E Ankeny Street (northeast of the former gas plant), a new 300,000 cu. ft. Gas Holder tank and Gas Pump were located on the southwest quarter of Block 977. A 1928 Sanborn Fire Insurance Map shows a Building

E PORTLAND GAS WORKS (FORMER) (Continued) **S107692390**

Materials Warehouse located on the northwest quarter of Block 950, and the 300,000 cu. ft. Gas Holder tank on the southwest quarter of Block 977. A 1950 Sanborn Fire Insurance Map shows that the Building Materials Warehouse on the northwest quarter of Block 950 had been expanded to cover the northeast quarter also, while the southwest quarter of Block 977 had been converted to an auto parking lot.

NARR ID: 5754139
NARR Code: Manner of Release
Created By: SFORTUN
Created Date: 08/09/2012
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Manner of Release
NARR Comments: Apparent spills, an underground gasoline storage tank release, possible releases of manufactured gas condensates, and historic waste disposal practices.

NARR ID: 5754140
NARR Code: Media Contamination
Created By: SFORTUN
Created Date: 08/09/2012
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Media Contamination
NARR Comments: Subsurface soils and shallow groundwater.

NARR ID: 5746761
NARR Code: Site Ownership
Created By: JWAGGY
Created Date: 06/24/2005
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Site Ownership
NARR Comments: Tax lot 1400 owner: Michael G. Myers, 110 SE 2nd Avenue, Portland, OR 97214 (P.O. Box 14921, Portland, OR 97293).Tax lot 1400 / 110 SE 2nd Avenue is the current location of:Coastal, Inc. and Central Dispatch, Inc. Mr. Myers previously owned Coastal, Inc., but recently retired and sold the business, while maintaining ownership of the property. Tax Lot 400 owner: Listed in Multnomah County Tax Assessor records as MKB Investment Co. - Fishels, although Oregon Corporate Records indicate that MKB Investment Co. has been an inactive corporation since 2006.Tax Lot 400 / 5 SE M.L.King Blvd. is the current location of:Fishel's Inc. (Larry Talbott, President; Martin Fishel, Secretary);[NOTE: Martin Fishel is actually deceased];SF Leromaho, LLC (Scott Fishel, Manager).The information listed above was obtained from the Oregon Secretary of State's Corporate Division files. However, according to Doris Gulden at Fishel's Furniture, Martin Fishel died about 10 years ago, and the business is now owned by Bradley and Karen Fishel, Martin Fishel's son and daughter-in-law.

NARR ID: 5754141
NARR Code: Project Activity Status
Created By: SFORTUN
Created Date: 08/09/2012
Updated By: SFORTUN
Updated Date: 08/09/2012

E PORTLAND GAS WORKS (FORMER) (Continued) **S107692390**

Decode for NarcdID: Project Activity Status
NARR Comments: Federal Site Screening / State Preliminary Assessment Equivalent (PAE) completed in August 2012. Further investigation is recommended as a medium priority.

NARR ID: 5753316
NARR Code: Pathways Other Hazards
Created By: CHARMAN
Created Date: 07/06/2011
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: (6/7/05 SMF/SAS) A fresh produce distribution business is currently located on Tax Lot 1400, over the location of the former gas plant, although all of the site appears to be paved or covered by a building. Tax Lot 400, the site of the more recent Gas Holder Tank, is a paved parking lot for Fishel's Furniture, a retail furniture business. Subsurface contamination could represent a potential threat to utility trench workers or future construction workers. Drinking water mains lie beneath SE 3rd Avenue and SE Ash Street, and municipal sewer mains lie beneath SE 3rd Avenue and SE 2nd Avenue. Vapors from any potential groundwater contamination might also represent a potential threat to workers within nearby businesses. Potential groundwater contaminants could discharge to the Willamette River either by direct groundwater discharge, or by entering stormsewer mains. Stormwater catchbasins are located near the northwest and southwest corners of Block 65. An Oregon Highway Division stormsewer originating near the northwest corner of Block 65 discharges to the river beneath the Burnside Bridge. A city stormsewer originating near the southwest corner of Block 65 discharges to the river near the western terminus of SE Oak Street (City Outfall #38). A combined sewer beneath SE 3rd Avenue was designed to overflow to a stormsewer that discharges to the river at City Outfall #38. The City of Portland is nearing completion of constructing a new combined sewer tunnel that lies about 95 feet below SE 3rd Avenue. It is unclear to Site Assessment at this time how the City of Portland will be redirecting stormwater flow in this area once the new combined sewer tunnel is in full operation. It is unclear if site contaminants may have contributed to sediment contamination that has been documented in the Willamette River reach nearest the site.

NARR ID: 5754142
NARR Code: Remedial Action
Created By: SFORTUN
Created Date: 08/09/2012
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Remedial Action
NARR Comments: Prior to property redevelopment in 1992, a total of 2,184 tons (approx. 1,670 cubic yards) of contaminated soil was removed from the central northern, southwestern, and south central portions of Tax Lot 1400.

NARR ID: 5754143
NARR Code: Substances of Concern
Created By: SFORTUN

E PORTLAND GAS WORKS (FORMER) (Continued) **S107692390**

Created Date: 08/09/2012
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Substances of Concern
NARR Comments: PAHs, BTEX, trimethylbenzenes, toxic metals, cyanide, PCBs.

NARR ID: 5754145
NARR Code: Health Threats
Created By: SFORTUN
Created Date: 08/09/2012
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Health Threats
NARR Comments: Residual contamination at the site could represent a potential threat to utility trench workers, future construction workers, or a possible vapor intrusion threat to workers in surrounding commercial/industrial buildings.Groundwater contaminants might represent a potential threat aquatic life in the Willamette River.

NARR ID: 5754144
NARR Code: Water Use (Current/Reasonably Likely)
Created By: SFORTUN
Created Date: 08/09/2012
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Water Use (Current/Reasonably Likely)
NARR Comments: There are records for 10 groundwater production wells within 0.5-mile of the site. All are located either upgradient or cross gradient from the site. There are no known wells located directly downgradient from the site. Use of all but two of the wells is currently unknown. Two wells belong to a registered drinking water supply (serving drinking water to a transcient population of 110) located slightly less than 0.4 mile upgradient from the site. Groundwater probably discharges to the Willamette River. There are no known surface water drinking water intakes within about 30 miles downstream from the site.The Willamette River is heavily used for recreation (swimming, boating, water-skiing, fishing), along with some undefined subsistence fishing.The reach of the river nearest the site is Critical Habiata for migrating and rearing Threatened and Endangered salmonids.

NARR ID: 5754136
NARR Code: Site History
Created By: SFORTUN
Created Date: 08/09/2012
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Site History
NARR Comments: A gas manufacturing plant and gas holder tanks were present on the site from sometime in the 1800's (before 1889) until sometime before about 1948. The gas manufacturing plant was replaced by a building materials warehouse sometime between 1909 and 1924. The building materials warehouse was torn down in 1988, and replaced by a fresh produce distribution business in 1993.The large gas holder tank on the northeastern tax lot was installed sometime between 1901 and 1909, and replaced with a parking lot sometime before about 1948.

NARR ID: 5754146

E PORTLAND GAS WORKS (FORMER) (Continued) **S107692390**

NARR Code: 1922
Created By: SFORTUN
Created Date: 08/09/2012
Updated By: SFORTUN
Updated Date: 08/09/2012
Decode for NarcdID: Current Site Summary Statement
NARR Comments: Further site investigation and cleanup or risk assessment are needed.An extensive cleanup of contaminated soils was conducted on Tax Lot 1400 prior to redevelopment of that lot in 1992. However, soil contamination that extended below the top of the shallow groundwater table was not cleaned up. A groundwater sample from the north end of Tax Lot 1400 was contaminated with PAHs, although no groundwater cleanup was conducted. Groundwater from other portions of the site was not analyzed. Subsurface contamination that is known to have extended beneath SE Ankeny Street was also left in place. Subsurface soil contamination may extend to the southwest, into an area of a former railroad Right-of-Way, and possibly to the south, beneath SE Ash Street. Soils and groundwater beneath the foundation of a former building materials warehouse (northwest quarter of Tax lot 1400) may not have been adequately investigated. There has been no known investigation or cleanups of soils on Tax Lot 400, where a 200,000 cubic yard gas holder tank was once located.

Administrative Action:
Action ID: 9425
Region: Northwestern Region
Complete Date: 08/15/2012
Rank Value: 96
Cleanup Flag: False
Created Date: 06/13/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Medium
Comments: Federal Screening; state PAE

Action ID: 9498
Region: Northwestern Region
Complete Date: 08/09/2012
Rank Value: Not reported
Cleanup Flag: True
Created Date: 08/09/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: 0
Comments: CRL listing recommendation for Tax Lot 1400 only.

Action ID: 9506
Region: Northwestern Region
Complete Date: 08/09/2012
Rank Value: 96
Cleanup Flag: False
Created Date: 08/09/2012

E PORTLAND GAS WORKS (FORMER) (Continued) **S107692390**

Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Investigation recommended (SI)
Further Action: Medium
Comments: Not reported

Action ID: 9521
Region: Northwestern Region
Complete Date: 08/20/2012
Rank Value: 96
Cleanup Flag: False
Created Date: 08/20/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: OPTN
Further Action: Medium
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 03/04/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/19/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Not reported

Action ID: 9426
Region: Northwestern Region
Complete Date: 08/23/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/06/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Further Action: 0
Comments: Site remains a medium priority.

Action ID: 9424
Region: Not reported
Complete Date: 06/07/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/07/2005
Decode for AgencyID: Department of Environmental Quality

E PORTLAND GAS WORKS (FORMER) (Continued) **S107692390**

Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Northwestern Region
Complete Date: 06/07/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/07/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: High
Comments: Not reported

VCS:
ECS Site ID: 4426
Facility Size: 0.92 acres
Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Start Date: 03/04/2013
End Date: 08/23/2013
Facility Status: Inactive
Program: VCP
Latitude: 45.52199
Longitude: -122.6632

DX554 **PORTLAND GAS LIGHT CO** **EDR MGP** **1008408799**
NNW **SE ANKENY ST** **N/A**
1/2-1 **PORTLAND, OR 97214**
0.641 mi.
3387 ft. **Site 3 of 3 in cluster DX**

Relative: Higher

Manufactured Gas Plants:
No additional information available

Actual: 43 ft.

DY555 **PORTLAND GAS AND COKE** **EDR MGP** **1008408797**
South **2620 SE 9TH AVE** **N/A**
1/2-1 **PORTLAND, OR 97202**
0.641 mi.
3387 ft. **Site 1 of 2 in cluster DY**

Relative: Higher

Manufactured Gas Plants:
No additional information available

Actual: 46 ft.

DY556 **CENTRAL SERVICE CENTER** **OR ECSI** **U000432123**
South **2630 SE 9TH AVE** **OR CRL** **N/A**
1/2-1 **PORTLAND, OR 97202** **OR LUST**
0.648 mi. **OR UST**
3419 ft. **Site 2 of 2 in cluster DY** **OR VCP**
OR BROWNFIELDS
Relative: **OR UIC**
Higher

Actual: **46 ft.**

ECSI:

State ID Number:	1488
Brown ID:	Brownfield Site - DEQ Tech Assistance
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	Listed on the CRL/Inventory
FACA ID:	1791
Further Action:	0
Lat/Long (dms):	45 30 12.20 / -122 39 21.60
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	11
Qtr Section:	BA
Tax Lots:	6900, 7100, 7200
Size:	5.16 acres
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	02/25/2014
Created Date:	01/05/1994
Decode For RegionID:	Northwest Region
Decode For BrownID:	Brownfield Site - DEQ Technical Assistance
Decode For Furtheract:	Not reported
Decode For Investstat:	Listed on the CRL/Inventory
Decode For Legislative:	Not reported
Alias Name:	NW Natural Gas
Alias Name:	MGP
Alias Name:	Northwest Natural Gas Co.
Alias Name:	Northwest Natural Gas #71 Central Service Center

Hazardous Release:

Substance ID.:	121639
Haz Release ID:	384036
Qty Released:	unknown
Date Released:	unknown
Update Date:	01/01/2001
Update By:	Not reported
Substance Code:	7439-92-1
Substance Name:	LEAD
Substance Abbrev.:	Not reported
Substance Category ID:	8466
Substance Category:	Inorganics
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Category ID:	8466

CENTRAL SERVICE CENTER (Continued) **U000432123**

Substance Category:	Inorganics
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Alias ID:	319256
Sub Alias Name:	PB
Comment ID:	305074
Release Code:	General Comments
Release Comments:	The industrial soil preliminary remediation goal (PRG) for lead is 800 ppm.The residential soil PRG is 400 ppm.
Decode for Relcomcd:	General Comments
Comment ID:	305078
Release Code:	Media Contamination Footnote
Release Comments:	TCLP leachable lead above a concentration of 5 ppm is considered a Toxicity Characteristic Hazardous Waste.
Decode for Relcomcd:	Media Contamination Footnote
Sampling Result ID:	348890
Feature Id:	0
Hazard Release Id:	384036
Medium:	703
Substance Abbrev.:	0
Unit Code:	7
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	Not reported
Start Date:	04/22/1992
End Date:	Not reported
Min Concentration:	Not reported
Max Concentration:	600.00
Sample Comment:	600 ppm total Pb in soils at sampl. point 31 (4/22/92).2.5 ppm TCLP Pb in soil composite 3, Pad #7 (10/23/91).130 ppm total Pb in background surface soil sample 3 (3/26/91).5.5 ppm TCLP Pb in soils excavated at Waste Oil UST decomm. (8/18/95).
Last Update By:	SFORTUN
Update Date:	09/12/2006
Decode for MediumID:	Soil
Sampling Result ID:	348905
Feature Id:	0
Hazard Release Id:	384036
Medium:	704
Substance Abbrev.:	0
Unit Code:	7
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	Not reported
Start Date:	03/26/1991
End Date:	Not reported
Min Concentration:	Not reported
Max Concentration:	12.00
Sample Comment:	12 ppm TCLP leachable lead in water from stormwater sump, sample 5 (3/26/91)(Pad #8).
Last Update By:	SFORTUN
Update Date:	09/13/2006
Decode for MediumID:	Surface Water

CENTRAL SERVICE CENTER (Continued) **U000432123**

Substance ID.: 121472
Haz Release ID: 384037
Qty Released: unknown
Date Released: unknown
Update Date: 01/01/2001
Update By: Not reported
Substance Code: 57-12-5
Substance Name: CYANIDE (AS ION)
Substance Abbrev.: Not reported
Substance Category ID: 8465
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8465
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318818
Sub Alias Name: CN (AS ION)
Comment ID: 305069
Release Code: General Comments
Release Comments: The industrial soil preliminary remediation goal (PRG) for free CN is 12,000 ppm.The residential soil PRG for free CN is 1,200 ppm.The industrial soil PRG for hydrogen CN is 35 ppm.The residential soil PRG for hydrogen CN is 11 ppm.
Decode for Relcomcd: General Comments
Comment ID: 305077
Release Code: Media Contamination Footnote
Release Comments: The Level II Ecological Risk Assessment Screening Value for potential effects of cyanides on freshwater aquatic life is 0.0052 ppm.
Decode for Relcomcd: Media Contamination Footnote
Sampling Result ID: 348883
Feature Id: 0
Hazard Release Id: 384037
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 10/23/1991
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 170.00
Sample Comment: 170 ppm CN in surface soils, composite 3, north of Pad #7 (10/23/91)89 ppm tot. CN in surface soils at sampling point 23 (4/22/92).5.3 ppm TCLP CN, sample 3, north of Pad #7 (10/23/91).1.8 ppm TCLP CN in surface soils, sampling point 34 (5/7/92).
Last Update By: SFORTUN
Update Date: 09/12/2006
Decode for MediumID: Soil
Sampling Result ID: 348884
Feature Id: 0
Hazard Release Id: 384037

CENTRAL SERVICE CENTER (Continued) **U000432123**

Medium:	704
Substance Abbrev.:	0
Unit Code:	7
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	Not reported
Start Date:	03/26/1991
End Date:	Not reported
Min Concentration:	Not reported
Max Concentration:	120.00
Sample Comment:	120 ppm total CN in water from stormwater sump, sample 5 (3/26/91)(Pad #8).2 ppm total CN in ponded surface water adjacent to a stormwater sump at sample 29 (4/22/92) (Pad #8).
Last Update By:	SFORTUN
Update Date:	09/13/2006
Decode for MediumID:	Surface Water
Sampling Result ID:	348885
Feature Id:	0
Hazard Release Id:	384037
Medium:	701
Substance Abbrev.:	0
Unit Code:	7
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	Not reported
Start Date:	10/22/1991
End Date:	Not reported
Min Concentration:	Not reported
Max Concentration:	4500.00
Sample Comment:	4,500 ppm CN in pipeline waste, sample 7 (10/91).17 ppm TCLP CN in pipeline wastes, sample 38 (5/92).1,200 ppm total CN in pipe wastes, sample 37 (5/92).12 ppm TCLP CN in pipe wastes, sample 37 (5/92).
Last Update By:	SFORTUN
Update Date:	09/13/2006
Decode for MediumID:	Sediment
Sampling Result ID:	348903
Feature Id:	0
Hazard Release Id:	384037
Medium:	700
Substance Abbrev.:	0
Unit Code:	7
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	Not reported
Start Date:	03/26/1991
End Date:	Not reported
Min Concentration:	Not reported
Max Concentration:	170.00
Sample Comment:	170 ppm total CN in water impounded within a gas piping, sample 1 (3/26/91).1.8 ppm total CN in water impounded within a gas inlet vault, sample 12 (11/6/91).
Last Update By:	SFORTUN
Update Date:	09/13/2006
Decode for MediumID:	Other

CENTRAL SERVICE CENTER (Continued) **U000432123**

Substance ID.: 121994
Haz Release ID: 384038
Qty Released: unknown
Date Released: unknown
Update Date: 01/01/2001
Update By: Not reported
Substance Code: ECD222
Substance Name: PETROLEUM
Substance Abbrev.: Not reported
Substance Category ID: 8533
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8533
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Sampling Result ID: 348893
Feature Id: 0
Hazard Release Id: 384038
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/07/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 1600.00
Sample Comment: 1,600 ppm TPH, surface soils, sampling point 34 (5/7/92).1,200 ppm TPH, surface soils, composite 2, east of Pad #7 (10/23/91).450 ppm TPH in backfilled soils at waste oil tank (WO-6; 8/18/95).
Last Update By: SFORTUN
Update Date: 09/12/2006
Decode for MediumID: Soil
Sampling Result ID: 348895
Feature Id: 0
Hazard Release Id: 384038
Medium: 702
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 12/04/1991
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 900000.00
Sample Comment: Greater than 90 percent C6 to C34 hydrocarbons in phase-separated liquid from sampling point 16 (12/4/91).
Last Update By: SFORTUN
Update Date: 09/08/2006

CENTRAL SERVICE CENTER (Continued) **U000432123**

Decode for MediumID: Sludge
Sampling Result ID: 348902
Feature Id: 0
Hazard Release Id: 384038
Medium: 701
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/07/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 3000.00
Sample Comment: 3,000 ppm TPH, residual pipe debris, gas inlet pipe, sample 37 (5/92).2,900 ppm TPH, pipe debris composite, 3 pipes, Pad #7 (10/91).2,800 ppm TPH, pipe debris, sampling point 38 (5/92).2,500 ppm TPH, pipe debris, sampling point 39 (5/92).
Last Update By: SFORTUN
Update Date: 09/12/2006
Decode for MediumID: Sediment

Substance ID.: 122002
Haz Release ID: 384039
Qty Released: unknown
Date Released: unknown
Update Date: 01/01/2001
Update By: Not reported
Substance Code: ECD243
Substance Name: POLYAROMATIC HYDROCARBONS (PAH)
Substance Abbrev.: Not reported
Substance Alias ID: 318143
Sub Alias Name: PAH
Substance Alias ID: 318148
Sub Alias Name: POLYCYCLIC AROMATIC HYDROCARBONS (PAH)
Substance Alias ID: 318149
Sub Alias Name: POLYNUCLEAR AROMATIC HYDROCARBINS (PNA)
Substance Alias ID: 318150
Sub Alias Name: PNA
Sampling Result ID: 348897
Feature Id: 0
Hazard Release Id: 384039
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/07/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 304.00
Sample Comment: Greater than 304 ppm total PAHs in surface soil at sampling location 34 (5/7/92).
Last Update By: SFORTUN

CENTRAL SERVICE CENTER (Continued) **U000432123**

Update Date: 09/08/2006
Decode for MediumID: Soil

Substance ID.: 121821
Haz Release ID: 386879
Qty Released: unknown
Date Released: unknown
Update Date: 09/08/2006
Update By: SFORTUN
Substance Code: 84-74-2
Substance Name: DI-n-BUTYL PHTHALATE
Substance Abbrev.: Not reported
Substance Alias ID: 317639
Sub Alias Name: BENZENEDICARBOXYLIC ACID,1,2-, DIBUTYL ESTER
Substance Alias ID: 317640
Sub Alias Name: BUTYL PHTHALATE
Substance Alias ID: 317641
Sub Alias Name: BUTYL PHTHALATE,n-
Substance Alias ID: 317642
Sub Alias Name: DBP
Substance Alias ID: 317643
Sub Alias Name: DIBUTYL PHTHALATE
Comment ID: 305070
Release Code: General Comments
Release Comments: The industrial soil preliminary remediation goal (PRG) for dibutylphthalate is 62,000 ppm.The residential soil PRG is 6,100 ppm.
Decode for Relcomcd: General Comments
Sampling Result ID: 348886
Feature Id: 0
Hazard Release Id: 386879
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 04/22/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 9.70
Sample Comment: 9.7 ppm dibutylphthalate in surface soils at sampling point 18 (4/22/92).
Last Update By: SFORTUN
Update Date: 09/08/2006
Decode for MediumID: Soil

Substance ID.: 120942
Haz Release ID: 386880
Qty Released: unknown
Date Released: unknown
Update Date: 09/08/2006
Update By: SFORTUN
Substance Code: 117-84-0
Substance Name: DI-n-OCTYL PHTHALATE
Substance Abbrev.: Not reported
Substance Alias ID: 316662

CENTRAL SERVICE CENTER (Continued) **U000432123**

Sub Alias Name: BENZENEDICARBOXYLIC ACID,1,2-, DIOCTYL ESTER
Substance Alias ID: 316663
Sub Alias Name: BENZENEDICARBOXYLIC ACID,o-, DIOCTYL ESTER
Substance Alias ID: 316664
Sub Alias Name: DIOCTYL PHTHALATE,n-
Substance Alias ID: 316665
Sub Alias Name: DIOCTYL-o-BENZENEDICARBOXYLATE
Substance Alias ID: 316666
Sub Alias Name: DIOCTYL-o-PHTHALATE
Comment ID: 305071
Release Code: General Comments
Release Comments: The industrial soil preliminary remediation goal (PRG) for dioctylphthalate is 25,000 ppm.The residential soil PRG is 2,400 ppm.
Decode for Relcomcd: General Comments
Sampling Result ID: 348887
Feature Id: 0
Hazard Release Id: 386880
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/07/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 16.00
Sample Comment: 16 ppm dioctylphthalate in surface soils at sampling point 34 (5/7/92).
Last Update By: SFORTUN
Update Date: 09/08/2006
Decode for MediumID: Soil

Substance ID.: 121815
Haz Release ID: 386881
Qty Released: unknown
Date Released: unknown
Update Date: 09/08/2006
Update By: SFORTUN
Substance Code: 83-32-9
Substance Name: ACENAPHTHENE
Substance Abbrev.: Not reported
Substance Category ID: 8471
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8471
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317621
Sub Alias Name: DIHYDROACENAPHTHYLENE,1,2-
Substance Alias ID: 317622
Sub Alias Name: ETHYLENENAPHTHALENE,1,8-

CENTRAL SERVICE CENTER (Continued) **U000432123**

Substance Alias ID: 317623
Sub Alias Name: PERIETHYLENENAPHTHALENE
Comment ID: 305067
Release Code: General Comments
Release Comments: The industrial soil preliminary remediation goal (PRG) for acenaphthene is 29,000 ppm.The residential soil PRG is 3,700 ppm.
Decode for Relcomcd: General Comments
Sampling Result ID: 348881
Feature Id: 0
Hazard Release Id: 386881
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/07/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 34.00
Sample Comment: 34 ppm acenaphthene in surface soils at sampling point 34 (5/7/92).
Last Update By: SFORTUN
Update Date: 09/08/2006
Decode for MediumID: Soil

Substance ID.: 120952
Haz Release ID: 386882
Qty Released: unknown
Date Released: unknown
Update Date: 09/08/2006
Update By: SFORTUN
Substance Code: 120-12-7
Substance Name: ANTHRACENE
Substance Abbrev.: Not reported
Substance Category ID: 8473
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8473
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316696
Sub Alias Name: ANTHRACIN
Substance Alias ID: 316697
Sub Alias Name: GREEN OIL
Substance Alias ID: 316698
Sub Alias Name: PARANAPTHALENE
Substance Alias ID: 316699
Sub Alias Name: TETRA OLIVE N2G
Comment ID: 305068
Release Code: General Comments
Release Comments: The industrial soil preliminary remediation goal (PRG) for anthracene is 100,000 ppm.The residential soil PRG is 22,000 ppm.

CENTRAL SERVICE CENTER (Continued) **U000432123**

Decode for Relcomcd: General Comments
Sampling Result ID: 348882
Feature Id: 0
Hazard Release Id: 386882
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/07/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 12.00
Sample Comment: 12 ppm anthracene in surface soils at sampling point 34 (5/7/92).
Last Update By: SFORTUN
Update Date: 09/08/2006
Decode for MediumID: Soil

Substance ID.: 121195
Haz Release ID: 386883
Qty Released: unknown
Date Released: unknown
Update Date: 09/08/2006
Update By: SFORTUN
Substance Code: 206-44-0
Substance Name: FLUORANTHENE
Substance Abbrev.: Not reported
Substance Category ID: 8491
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8491
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317398
Sub Alias Name: BENZACENAPHTHENE,1,2-
Substance Alias ID: 317399
Sub Alias Name: BENZO(jk)FLUORENE
Comment ID: 305072
Release Code: General Comments
Release Comments: The industrial soil preliminary remediation goal (PRG) for fluoranthene is 22,000 ppm.The residential soil PRG is 2,300 ppm.
Decode for Relcomcd: General Comments
Sampling Result ID: 348888
Feature Id: 0
Hazard Release Id: 386883
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True

CENTRAL SERVICE CENTER (Continued) **U000432123**

Sample Depth: Not reported
Start Date: 05/07/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 21.00
Sample Comment: 21 ppm fluoranthene in surface soils at sampling point 21 (5/7/92).
Last Update By: SFORTUN
Update Date: 09/08/2006
Decode for MediumID: Soil

Substance ID.: 121829
Haz Release ID: 386884
Qty Released: unknown
Date Released: unknown
Update Date: 09/08/2006
Update By: SFORTUN
Substance Code: 86-73-7
Substance Name: FLUORENE
Substance Abbrev.: Not reported
Substance Category ID: 8489
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8489
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317663
Sub Alias Name: BIPHENYLENEMETHANE,o-
Substance Alias ID: 317664
Sub Alias Name: DIPHENYLENEMETHANE
Substance Alias ID: 317665
Sub Alias Name: METHYLENEBIPHENYL,2,2'-
Comment ID: 305073
Release Code: General Comments
Release Comments: The industrial soil preliminary remediation goal (PRG) for fluorene is 26,000 ppm.The residential soil PRG is 2,700 ppm.
Decode for Relcomcd: General Comments
Sampling Result ID: 348889
Feature Id: 0
Hazard Release Id: 386884
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/07/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 27.00
Sample Comment: 27 ppm fluorene in surface soils at sampling point 34 (5/7/92).
Last Update By: SFORTUN
Update Date: 09/08/2006

CENTRAL SERVICE CENTER (Continued) **U000432123**

Decode for MediumID: Soil

Substance ID.: 121871
Haz Release ID: 386885
Qty Released: unknown
Date Released: unknown
Update Date: 09/08/2006
Update By: SFORTUN
Substance Code: 91-57-6
Substance Name: METHYLNAPHTHALENE,2-
Substance Abbrev.: Not reported
Substance Alias ID: 317808
Sub Alias Name: METHYLNAPHTHALENE,beta-
Substance Alias ID: 317809
Sub Alias Name: NAPHTHALENE,2-METHYL-
Sampling Result ID: 348891
Feature Id: 0
Hazard Release Id: 386885
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/07/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 48.00
Sample Comment: 48 ppm 2-methylnaphthalene in surface soils at sampling point 34 (5/7/92).
Last Update By: SFORTUN
Update Date: 09/08/2006
Decode for MediumID: Soil

Substance ID.: 121868
Haz Release ID: 386886
Qty Released: unknown
Date Released: unknown
Update Date: 09/08/2006
Update By: SFORTUN
Substance Code: 91-20-3
Substance Name: NAPHTHALENE
Substance Abbrev.: Not reported
Substance Category ID: 8494
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8494
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317793
Sub Alias Name: MOTH BALLS
Substance Alias ID: 317794

CENTRAL SERVICE CENTER (Continued) **U000432123**

Sub Alias Name: NAPHTHENE
Substance Alias ID: 317795
Sub Alias Name: TAR CAMPHOR
Comment ID: 305075
Release Code: General Comments
Release Comments: The industrial soil preliminary remediation goal (PRG) for naphthalene is 190 ppm.The residential soil PRG is 56 ppm.
Decode for Relcomcd: General Comments
Sampling Result ID: 348892
Feature Id: 0
Hazard Release Id: 386886
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/07/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 68.00
Sample Comment: 68 ppm naphthalene in surface soils at sampling point 34 (5/7/92).
Last Update By: SFORTUN
Update Date: 09/08/2006
Decode for MediumID: Soil

Substance ID.: 121824
Haz Release ID: 386887
Qty Released: unknown
Date Released: unknown
Update Date: 09/08/2006
Update By: SFORTUN
Substance Code: 85-01-8
Substance Name: PHENANTHRENE
Substance Abbrev.: Not reported
Substance Alias ID: 317648
Sub Alias Name: PHENATHRIN
Sampling Result ID: 348896
Feature Id: 0
Hazard Release Id: 386887
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/07/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 72.00
Sample Comment: 72 ppm phenanthrene in surface soils at sampling point 34 (5/7/92).
Last Update By: SFORTUN
Update Date: 09/08/2006
Decode for MediumID: Soil

CENTRAL SERVICE CENTER (Continued) **U000432123**

Substance ID.: 121019
Haz Release ID: 386888
Qty Released: unknown
Date Released: unknown
Update Date: 09/08/2006
Update By: SFORTUN
Substance Code: 129-00-0
Substance Name: PYRENE
Substance Abbrev.: Not reported
Substance Category ID: 8497
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8497
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316950
Sub Alias Name: BENZO(def)PHENANTHRENE
Comment ID: 305076
Release Code: General Comments
Release Comments: The industrial soil preliminary remediation goal (PRG) for pyrene is 29,000 ppm.The residential soil PRG is 2,300 ppm.
Decode for Relcomcd: General Comments
Sampling Result ID: 348898
Feature Id: 0
Hazard Release Id: 386888
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/07/1992
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 22.00
Sample Comment: 22 ppm pyrene in surface soils at sampling point 34 (5/7/92).
Last Update By: SFORTUN
Update Date: 09/08/2006
Decode for MediumID: Soil

Substance ID.: 121982
Haz Release ID: 386889
Qty Released: unknown
Date Released: unknown
Update Date: 09/11/2006
Update By: SFORTUN
Substance Code: ECD169
Substance Name: DIESEL - FUEL OIL
Substance Abbrev.: Not reported
Substance Category ID: 8529
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported

CENTRAL SERVICE CENTER (Continued) **U000432123**

Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8529
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Sampling Result ID: 348899
Feature Id: 0
Hazard Release Id: 386889
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 9 feet bgs
Start Date: 02/17/1993
End Date: Not reported
Min Concentration: Not reported
Max Concentration: 230.00
Sample Comment: 230 ppm diesel fuel in subsurface soil remaining at 9 feet bgs beneath 3,000 gallon UST at boring B-1.
Last Update By: SFORTUN
Update Date: 09/11/2006
Decode for MediumID: Soil

Substance ID.: 121989
Haz Release ID: 386890
Qty Released: unknown
Date Released: unknown
Update Date: 09/11/2006
Update By: SFORTUN
Substance Code: ECD200
Substance Name: OIL OR FUEL RELATED COMPOUNDS
Substance Abbrev.: Not reported
Substance Category ID: 8532
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8532
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Sampling Result ID: 348900
Feature Id: 0
Hazard Release Id: 386890
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 4.0-4.5 feet bgs
Start Date: Not reported

CENTRAL SERVICE CENTER (Continued) **U000432123**

End Date: Not reported
Min Concentration: Not reported
Max Concentration: 550.00
Sample Comment: 550 ppm heavy oil in soil 4.0-4.5 feet bgs beneath diesel/gasoline pipeline that was abandoned in place (boring B-3; 8/17/95).Up to 150 ppm heavy oil in soils excavated during diesel/gasoline tank decommissioning (samples S-2 and S-4; 8/18/95).
Last Update By: SFORTUN
Update Date: 09/11/2006
Decode for MediumID: Soil

Narrative:

NARR ID: 5748557
NARR Code: Site Contacts
Created By: SFORTUN
Created Date: 08/29/2006
Updated By: SFORTUN
Updated Date: 09/08/2006
Decode for NarcdID: Site Contacts
NARR Comments: Sandra Hart, Director of Risk, Environment and Land220 NW 2nd Avenue, Portland, OR 97209-3942(503) 226-4211Conrad J. Rue, Secretary and Registered Agent 220 NW 2nd Avenue, Portland, OR 97209-3942503-226-4211 x-3309Gregg S. Kantor, Senior V.P., Public and Regulatory Affair220 NW 2nd Avenue, Portland, OR 97209-3942503-226-4211 x-3464Mark S. Dodson, President and CEO220 NW 2nd Avenue, Portland, OR 97209-3942503-226-4211 x-3320

NARR ID: 5733772
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: SMANZAN
Updated Date: 12/20/2011
Decode for NarcdID: Contamination
NARR Comments: Polynuclear aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), metals, and cyanide have been released to soils in the vicinity of the gas holding tanks. Most of the contaminated surface soils and accessible wastes from abandoned was removed from the site in 1991-92. Soil testing and soil and waste removal conducted around the two southern tank pads were largely based on visual indications of staining.Minor concentrations of petroleum (diesel fuel and heavy oil or bunker fuel) also remain in localized areas of subsurface soils where gasoline, diesel fuel, and waste oil underground storage tanks were decommissioned in 1993-95. Diesel fuel contamination was encountered during a 2004 heating oil tank decommissioning (LUST #26-97-0130) at the neighboring Irwin-Hodson Company facility, located immediately south of the site. Contaminated soils were left in place because they contained relatively low concentrations of VOCs and PAHs, and did not to represent a significant threat to groundwater or to site workers.The DEQ Heating Oil Tank program may re-examine the decision for no further action at Irwin-Hodson based on the results of additional investigation at the site.

NARR ID: 5748558
NARR Code: Disposals
Created By: SFORTUN
Created Date: 08/29/2006
Updated By: SMANZAN

CENTRAL SERVICE CENTER (Continued) **U000432123**

Updated Date: 12/20/2011
Decode for NarcdID: Disposals
NARR Comments: Contaminated soils and waste piles associated with the sites two southern gas holder tank pads were excavated and shipped to Chem Waste Managements hazardous waste disposal facility in Arlington for disposal in 1991-92. Most of the nearly 1,300 cubic yards of material was classified as hazardous waste due to elevated concentrations of leachable lead and cyanide.Approximately 19,000 gallons of cyanide-contaminated water within the three gas inlet vaults at the sites eastern gas holder tank pad (Pad #7) was discharged to the city sanitary sewer in August 25 to September 3, 1993. 49 tons of petroleum-contaminated soil excavated during cleanup of the sites various leaking petroleum underground storage tanks (LUSTs) was sent to Oregon Hydrocarbons in 1994 for treatment. 32 tons of contaminated soil was sent to Marion County Soil Recycling in 1995 for treatment.Thirty eight tons of petroleum contaminated soils/waste was remove from the southwest portion of the site in December 2008.

NARR ID: 5748501
NARR Code: Data Sources
Created By: SFORTUN
Created Date: 08/16/2006
Updated By: SMANZAN
Updated Date: 12/20/2011
Decode for NarcdID: Data Sources
NARR Comments: Soil and Waste Pile Removal Activities Report; Hahn and Associates, August 6, 2010.Monitoring Well Installation and Groundwater Monitoring report; Hahn and Associates, January 20, 2010.Site Investigation and Preliminary Risk Assessment; Hahn and Associates, December 19, 2008.A Site Survey and Environmental Investigation, Former Northwest Natural Gas Company Manufactured Gas Holder Site, prepared for Northwest Natural Gas Company, by Hahn and Associates, Inc., July 22, 1991.Site Remediation: Soil Excavation, Transportation and Disposal, Former Northwest Natural Gas Company Manufactured Gas Holder Site, prepared for Northwest Natural Gas Company, by Hahn and Associates, Inc., November 15, 1991.Additional Site Investigation and Remediation: Characterization, Excavation, Transportation and Disposal Activities, Former Northwest Natural Gas Company Manufactured Gas Holder Site, prepared for Northwest Natural Gas Company, by Hahn and Associates, Inc., February 22, 1993.Completion of Water Disposal and Soil Sampling Activities, Northwest Natural Gas Company, Former manufactured Gas Holder Facility, 2630 SE 9th Avenue, Portland, Oregon, letter report prepared for Stoel Rives Boley Jones & Gray, by Hahn and Associates, Inc., October 8, 1993.DEQ Leaking Underground Storage Tank File, NW Natural Gas Central Service, LUST #26-95-0218.DEQ Leaking Underground Storage Tank File, NW Natural Gas Central Service, NW Natural Gas Central Service, LUST #26-92-0217.DEQ Leaking Underground Storage Tank File, NW Natural Gas Central Service, LUST #26-92-0344.Subsurface Investigation, Northwest Natural Gas Company, 2360 NE 9th Avenue, prepared for NW Natural Gas, by Hahn and Associates, Inc., March 23, 1993.Decommissioning Activities Report, Northwest Natural Gas Company, 2630 SE 9th, Portland, OR, prepared for Mike Haward, NW Natural Gas Co., by Gary Renforth, Spencer, Inc., March 24, 1995.Underground Storage Tank Decommissioning and Soil Matrix Site Cleanup Report, prepared for Northwest Natural Gas Company Central Facility, by PEMCO, September 20, 2005.Drywell Registration Package, NW Natural Central Service

CENTRAL SERVICE CENTER (Continued) **U000432123**

Center, Portland, OR, prepared for NW Natural, by EnviroLogic Resources, Inc., December 30, 1999DEQ Heating Oil Tank (HOT) File, Irwin Hodson Company, LUST #26-97-0130.City of Portland Corporate GIS system, http://www.portlandmaps.com .Oregon Water Resources Department well log and Water Right files, http://www.wrd.state.or.us .Sanborn Fire Insurance Maps, Oregon State Library.

NARR ID: 5747161
NARR Code: General Site Description
Created By: GWISTAR
Created Date: 09/07/2005
Updated By: SMANZAN
Updated Date: 12/20/2011
Decode for NarcdID: General Site Description
NARR Comments: The Site is a 5-acre property located at 2630 SE 9th Avenue in southeast Portland, and is currently owned by NW Natural. TriMet intends to purchase a .9 acre portion (Parcel 1) of the Site for use as part of the Portland-Milwaukie Light Rail Project. As planned, light rail tracks would be located on the parcel. The Site was previously used for manufactured gas storage (above ground tanks) and transmission (underground lines) from 1921 to 1956. Plant operations were discontinued in 1956. The Site is currently used by NW Natural as an operations facility, containing administrative offices and serving as a vehicle fueling and maintenance center.Two large, aboveground, 155- to 175 foot diameter, circular concrete manufactured gas storage tank holder pads are located on the southern portion of the site, and a third pad located on the north portion of the site has been buried beneath fill and covered by a paved parking lot.At least four leaking petroleum underground storage tanks (gasoline, diesel fuel, and waste oil) have been removed and stormwater drains to any of 13 on-site catchbasins and associated drywells at the site.

NARR ID: 5733773
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: SMANZAN
Updated Date: 12/20/2011
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Petroleum and/or coal tar constituents (including PAHs, other semi-volatile organic compounds (SVOCs), and volatile organic compounds (VOCs)), lead, and cyanide. Contamination is present in soil and groundwater.Minor/residual subsurface petroleum contamination is also present in areas where former underground petroleum storage tanks (USTs) and piping were decommissioned. Soil in the waste oil tank decommissioning location contained elevated concentrations of leachable lead. Soils beneath a 130 foot, abandoned in place long gasoline/diesel fuel transfer pipe were contaminated with heavier oil or bunker fuel, which is inconsistent with the transfer lines use. Debris encountered during the August 1995 removal of two of the sites USTs (LUST #26-95-0218), as well as soil boring lithologies from an investigation of subsurface transfer piping between the tanks and a former fuel dispensing island suggest that fill material at the site includes silt, gravel, and construction debris.

CENTRAL SERVICE CENTER (Continued) **U000432123**

NARR ID: 5748560
NARR Code: Project Issues Summary
Created By: SFORTUN
Created Date: 08/29/2006
Updated By: SMANZAN
Updated Date: 12/20/2011
Decode for NarcdID: Project Issues Summary
NARR Comments: NNG removed contaminated waste piles, some of the contaminated debris, and some of the contaminated soils associated with the sites two southernmost concrete gas holder tank pads through an independent cleanup action in 1991-92. However, soils with lower levels of contamination, contaminated soils that were inaccessible, much of the contaminated debris and water within capped and abandoned gas transmission piping, contaminated water and debris within stormwater sumps surrounding the pads, and contaminated water within that pads gas inlet vaults were left in place. Minor contamination also remains in subsurface soils surrounding the sites former LUST locations, and along fuel piping that was abandoned in place. Remeidal investigations are ongoing to determine that extent and nature of site contaminants.DEQ has no information to indicate that the ultimate fate of rainwater that accumulates in the depression on the southern 1/3 of the site has ever been defined. At least five stormwater sumps are located around the perimeters of the two southern tank pads. Ponded water in or near two of the sumps contained elevated concentrations of total cyanide (up to 120 ppm) and TCLP leachable lead (up to 12 ppm) when sampled in March 1991 and April 1992. Soil and groundwater samples were collected in August 2011 to decommission these sumps (data submittal to DEQ pending).A stream that historically crossed the southern 1/3 of the site (per 1909 records) was apparently directed to a sewer on the sites western property line. No ifnofrmation is available to determine if this sewer was ever fully abandoned, or if it may discharge to the existing municipal stormsewer.A monitoring well that the City of Portland constructed in the street near the sites southwest corner in March 2001 encountered groundwater at 21 feet bgs. Contamination associated with the former gas holder tank pads could easily extend into shallow groundwater.Darigold, Inc., a wholesale manufacturer of dairy products for human consumption, owns a 16-inch diameter, 450-foot deep industrial well and associated Certified Water Right Claim, located about 550-feet west of the contaminated area. The well casing is perforated beginning at 105-feet below ground surface, and appears to withdraw groundwater from the underlying Troutdale and Sandy River Mudstone formations. Groundwater contamination at the site could impact this well, and will be determined as part of the current groundwater remedial investigation.

NARR ID: 5748561
NARR Code: Land Use (Current/Reasonably Likely)
Created By: SFORTUN
Created Date: 08/29/2006
Updated By: SMANZAN
Updated Date: 12/20/2011
Decode for NarcdID: Land Use (Current/Reasonably Likely)
NARR Comments: The site is likely to be used long term as industrial land. It is located in an area of mixed industrial, commercial, and residential properties. All properties immediately surrounding the site are either commercial or industrial use, as are more distant properties

CENTRAL SERVICE CENTER (Continued) **U000432123**

to the west, northwest, and southeast. However, residential areas are located south of SE Powell Boulevard, east of SE 12th Avenue, and north of SE Division Street. The nearest residential properties are located about 215 feet north, 290 feet east, and 490 feet south of the site.

NARR ID: 5747158
NARR Code: Site Location
Created By: GWISTAR
Created Date: 09/07/2005
Updated By: SFORTUN
Updated Date: 04/30/2007
Decode for NarcdID: Site Location
NARR Comments: The site is located in southeast Portland, four blocks east of the eastern terminus of the Ross Island Bridge, and two blocks north of SE Powell Boulevard (US Hwy 26) (see Figures 1 and 2). State Highway 99E (SE Grand Avenue) is four blocks west of the site. The Willamette River lies 0.25 mile west of the site. The site is bounded on the south by SE Taggart Street, on the southeast by SE Clinton Street, on the west by SE 9th Avenue, on the east by SE 11th Avenue, and on the northeast by a Union Pacific Railroad mainline right-of-way (see Figure 2). An alternative site address is 905 SE Division Street.

NARR ID: 5748562
NARR Code: Manner of Release
Created By: SFORTUN
Created Date: 08/29/2006
Updated By: SMANZAN
Updated Date: 12/19/2011
Decode for NarcdID: Manner of Release
NARR Comments: Site contamination is believed to have been predominantly associated with releases of condensate from stored manufactured gas. Minor subsurface contamination may be associated with incomplete cleanup of releases from leaking underground petroleum storage tanks and associated transfer piping, or from tank overfills.

NARR ID: 5748563
NARR Code: Media Contamination
Created By: SFORTUN
Created Date: 08/29/2006
Updated By: SMANZAN
Updated Date: 12/20/2011
Decode for NarcdID: Media Contamination
NARR Comments: Surface and subsurface soils, and shallow groundwater.

NARR ID: 5747157
NARR Code: Site Ownership
Created By: GWISTAR
Created Date: 09/07/2005
Updated By: SFORTUN
Updated Date: 09/08/2006
Decode for NarcdID: Site Ownership
NARR Comments: Northwest Natural Gas Company220 NW 2nd Avenue Portland, OR 97209-3942503-226-4211

NARR ID: 5748564
NARR Code: Project Activity Status

CENTRAL SERVICE CENTER (Continued) **U000432123**

Created By: SFORTUN
Created Date: 08/29/2006
Updated By: SMANZAN
Updated Date: 12/20/2011
Decode for NarcdID: Project Activity Status
NARR Comments: NW Natural entered into a DEQ Voluntary Cleanup Program agreement in 2007, and is currently conducting a full subsurface remedial investigation at the site.

NARR ID: 5747160
NARR Code: Pathways Other Hazards
Created By: GWISTAR
Created Date: 09/07/2005
Updated By: SMANZAN
Updated Date: 12/19/2011
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Stormwater to the Willamette River. An existing municipal stormsewer on the western edge of the site, constructed in 1963, is located 11- to 15-feet below SE 9th Avenue. This western stormsewer may not be deep enough to capture stormwater from the depression on the southern end of the site - at its westernmost extent, the depression is about 15 feet below the level of SE 9th Avenue. However, the western stormsewer could overlie an older sewer that once drained the creek. A municipal stormsewer, constructed in 1906, also lies along the site's southern boundary, at least 34 feet beneath SE Taggard Street. Potentially-contaminated groundwater and/or stormwater runoff from the southern third of the site could discharge to the stormsewer beneath SE Taggard Street, then discharge to the Willamette River, 0.25 mile west of the site. Subsurface contamination could represent a potential health threat to underground utility workers, or to utility trench workers. Contaminants could also discharge to the stormsewer, and contaminate Willamette River sediments.Former Creek Drainage. The former creek drainage might also provide a preferential migration pathway for contaminants to reach the river. The former creek drainage appears to parallel the southern edge of the Union Pacific Railroad mainline, and may pass beneath the Oregon Museum of Science and Industry (OMSI) building, near the eastern end of Interstate Highway 5s Marquam Bridge. Groundwater to the Willametter River. The Irwin-Hodson Company, located immediately south of the site, has a 153-foot deep industrial well. The well log indicates that this well was deepened from its original depth of 113 feet bgs in 1967. Prior to 1967, the well appears to have withdrawn groundwater from a loose gravel formation (possibly fluviolacustrine deposits). The well may have abandoned in January 2005, however Oregon Water Resources Department (OWRD) still has no record of the well abandonment. Potentially-contaminated groundwater could also preferentially migrate to the Willamette river through the fluviolacustrine deposits, or possibly also along the nearby stormsewers bedding.

NARR ID: 5733775
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: SMANZAN
Updated Date: 12/20/2011
Decode for NarcdID: Remedial Action

CENTRAL SERVICE CENTER (Continued) **U000432123**

NARR Comments: (1/5/94 GMW/SAS) Options letter sent; no further remedial action anticipated by RP. Further evaluation recommended.(9/8/06 SMF/SAS) Site priority for further investigation and cleanup was revised to high.(6/6/2007 CWH/CU) Northwest Natural entered into DEQ's Voluntary Cleanup Program to investigate suspected site contamination described in Site Assessment evaluation.(February 2008 SM/CU) Representative soil and groundwater sampling from twelve push probe borings in areas of potential contamination. Test pit samples were also collected from visually discolored soils located at the southwestern portion of the site. Sample results confirmed the presence of contaminated soil and groundwater at several locations.(December 2008 SM/CU) Thirty-eight tons of visably stained, petroleum cobntaminated soil/waste material removed from southwest portion of the site.(June 2009 SM/CU) Borings were completed at ten locations on the site. Seven shallow- and three intermediate-depth groundwater wells were constructed to determine the nature and extent of groundwater contamination.(August 2011 SM/CU) Soil and groundwater samples collected from boring locations to decommission thirteen dry wells historically used to collect stormwater at the Site.(September 2011 SM/CU) Borings completed at three locations on site and 3 locations west of the site. Groundwater wells constructed at each boring location.

NARR ID: 5748565
NARR Code: Substances of Concern
Created By: SFORTUN
Created Date: 08/29/2006
Updated By: SFORTUN
Updated Date: 09/08/2006
Decode for NarcdID: Substances of Concern
NARR Comments: PAHS, lead, cyanide, and possibly other metals, volatile organic compounds (VOCs), and phthalates.

NARR ID: 5747159
NARR Code: Health Threats
Created By: GWISTAR
Created Date: 09/07/2005
Updated By: SMANZAN
Updated Date: 12/20/2011
Decode for NarcdID: Health Threats
NARR Comments: Contaminated surface and subsurface soils, and shallow groundwater contamination could be a potential inhalation, direct contact or vapor intrusion threat to on-site workers and off-site workers at nearby commercial and industrial facilities. Subsurface contamination could also be a potential threat to on-site, and nearby off-site, utility trench workers, construction workers, or to stormsewer utility workers. Groundwater contamination at the subject site could reach the nearby Darigold, Inc. production well, and possibly contaminate food products used for human consumption, or represent a potential risk for Darigold workers.It appears very unlikely that nearby residents and pedistrians would ber affected by direct contact with site contaminants. Residential neighborhoods are located as near as 215 feet to the north, 290 feet to the east, and 490 feet to the south of the site. A Buddhist temple is located about 290 feet east of the site. Abernethy Elementary School and Portland Environmental Middle School are located about 765 feet northeast of the site. The Oregon Museum of Science and Industry (OMSI) is located about 2,150 feet (0.4 mile) northwest of the site. Any contaminants reaching the

CENTRAL SERVICE CENTER (Continued) **U000432123**

Willamette River could represent a potential threat to the rivers recreational users. The Willamette River is important rearing and migration habitat for coho salmon, spring and fall Chinook salmon, and winter steelhead trout. The river also provides important migratory habitat for summer steelhead, as well as habitat for searun cutthroat trout and the Pacific lamprey. Coho salmon is a state-listed Endangered Species. Chinook salmon and steelhead trout of the Lower Columbia River Estuary and Upper Willamette are federally-listed Threatened Species. Searun cutthroat trout and the Pacific lamprey are federal Species of Concern. Any contaminants reaching the Willamette River could represent a threat to the rivers Threatened and Endangered fish species.

NARR ID: 5748566
NARR Code: Water Use (Current/Reasonably Likely)
Created By: SFORTUN
Created Date: 08/29/2006
Updated By: SMANZAN
Updated Date: 12/20/2011
Decode for NarcdID: Water Use (Current/Reasonably Likely)
NARR Comments: Well records at Oregon Water Resources Department (OWRD) and the U.S. Geological Survey (USGS) indicate that groundwater within the nine survey sections (9 square mile area) surrounding the site is predominantly used for industrial purposes, although a few domestic and irrigation wells are also present. Within the nine square mile area (approximately equivalent to a 1.7 mile radius), there are 44 industrial wells (83%), 4, irrigation wells (8%), and 5 domestic wells (9%). The nearest domestic wells are three domestic wells (53- to 74 feet deep) located approximately 1.65 mile southeast of the site, in a presumed upgradient location. The nearest industrial well is a 490-foot deep well at the Darigold, Inc. facility, approximately 550 feet west of the site. The well was constructed in 1946, and penetrates fill (0-12 feet bgs), fluviolacustrine deposits (12-43 feet bgs), Troutdale formation (43-258 feet bgs), and Sandy River Mudstone (below 258 feet, bgs). The well has an associated Water Right claim, certified in 1960, which states that the well was in continuous use since it was first constructed. Although the well log for this well provides no well construction details, the associated Water Right registration form indicates it has a 16-inch diameter casing from the ground surface to 450 feet bgs; the casing is perforated from 105- to 425 feet bgs (in the Troutdale and Sandy River Mudstone formations). The Darigold facility (Darigold / Land O'Lakes / Purina / Concentrates, Inc.) is a wholesale distributor of dairy products for human consumption, and a manufacturer of livestock feeds, pet foods, and organic garden-soil amendments.OWRD also has a well log for the deepening of an industrial well at the Irwin-Hodson Company, adjacent to the subject sites southern boundary. In 2005, Cascade Environmental Services reported that this wells casing had been backfilled with concrete about 1985, although no abandonment record was ever filed with OWRD. The Willamette River, which lies about 0.25 miles (1,385 feet) west of the site, is used for recreational fishing, boating, and swimming, as well as providing critical rearing and migration habitat for Threatened and Endangered salmonid species. The river also likely provides an important food source for bald eagles.

NARR ID: 5748559

CENTRAL SERVICE CENTER (Continued) **U000432123**

NARR Code: Institutional Control
Created By: SFORTUN
Created Date: 08/29/2006
Updated By: SMANZAN
Updated Date: 12/20/2011
Decode for NarcdID: Institutional Control
NARR Comments: The northern 2/3 of the site is covered either by buildings or blacktop-paved parking areas. The site also has 13 active drywells beneath the parking areas that are in the process of being decommissioned. Some of the drywells are likely to intercept the shallow groundwater table, lcoated at approximatly 20 feet below ground surface.The site is securely fenced, so access to unauthorized pedestrians and potential trespassers should be negligible.

NARR ID: 5747156
NARR Code: Site History
Created By: GWISTAR
Created Date: 09/07/2005
Updated By: SMANZAN
Updated Date: 12/19/2011
Decode for NarcdID: Site History
NARR Comments: A 1909 Sanborn Fire Insurance Map depicts the subject site as vacant, low-lying land with a creek flowing southeast to northwest, across the southern portion of the site, then entering a sewer at the sites western boundary along SE 9th Avenue.The sites manufactured gas holder tanks were constructed in 1921-1925. A 1924 Sanborn Fire Insurance map depicts two, 2 million cubic foot, gas holder tanks and several gas compressor houses located on a property owned by Portland Gas and Coke Company. A 1950 Sanborn Fire Insurance map shows the same tanks, plus an additional 3+ million cubic foot gas holder tank near the southwest corner of the site.The facility ceased operations (gas storage) in 1956. Subsurface gas transmission piping that was attached to the tanks had been capped and decommissioned in place within the site boundaries when the tanks were decommissioned sometime in the late 1970s or early 1980s.

Administrative Action:
Action ID: 9463
Region: 0
Complete Date: 12/20/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/19/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Remedial Action
Action Code Flag: False
Action: Partial No Further Action
Further Action: 0
Comments: Not reported

Action ID: 9424
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality

CENTRAL SERVICE CENTER (Continued) **U000432123**

Decode for RegionID: Northwest Region
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9521
Region: Northwestern Region
Complete Date: 01/05/1994
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/22/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: OPTN
Further Action: 0
Comments: Not reported

Action ID: 9505
Region: Northwestern Region
Complete Date: 01/05/1994
Rank Value: Not reported
Cleanup Flag: True
Created Date: 05/22/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Confirmatory Sampling recommended
Further Action: Low
Comments: RP performed independent remedial action between March 1991 and February 1993.

Action ID: 9425
Region: Northwestern Region
Complete Date: 09/08/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/07/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: 0
Comments: Not reported

Action ID: 9498
Region: Northwestern Region
Complete Date: 09/08/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/08/2006
Decode for AgencyID: Department of Environmental Quality

CENTRAL SERVICE CENTER (Continued) **U000432123**

Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: 0
Comments: Not reported

Action ID: 9459
Region: Northwestern Region
Complete Date: 09/08/2006
Rank Value: Not reported
Cleanup Flag: True
Created Date: 09/08/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: 0
Comments: Not reported

Action ID: 9499
Region: Northwestern Region
Complete Date: 09/08/2006
Rank Value: Not reported
Cleanup Flag: True
Created Date: 09/08/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: 0
Comments: Not reported

Action ID: 9470
Region: Northwestern Region
Complete Date: 09/08/2006
Rank Value: 90
Cleanup Flag: False
Created Date: 09/08/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Other remedial or investigative action recommended
Further Action: High
Comments: Not reported

Action ID: 9521
Region: Northwestern Region
Complete Date: 09/22/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/22/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region

CENTRAL SERVICE CENTER (Continued) **U000432123**

Category: Remedial Action
Action Code Flag: False
Action: OPTN
Further Action: 0
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 02/01/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/21/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Not reported

Action ID: 9440
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/01/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Letter Agreement
Further Action: 0
Comments: Not reported

Action ID: 9435
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/01/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Independent Cleanup Program
Further Action: 0
Comments: Not reported

Action ID: 9465
Region: Northwestern Region
Complete Date: 02/01/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/01/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action

CENTRAL SERVICE CENTER (Continued) **U000432123**

Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9467
Region: Northwestern Region
Complete Date: 02/01/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/01/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: 0
Comments: Not reported

Action ID: 9438
Region: Northwestern Region
Complete Date: 04/30/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/30/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9439
Region: Northwestern Region
Complete Date: 04/30/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/30/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: 0
Comments: Not reported

Operations:
Operation Id: 132819
Operation Status: Active
Common Name: Northwest Natural Gas Company
Yrs of Operation: 1958 -
Comments: Facility now operated as a Central Service Center for NW Natural Gas Company.
Updated Date: 08/17/2006
Updated By: SFORTUN
Decode for OpstatID: Active

CENTRAL SERVICE CENTER (Continued) **U000432123**

Operation Id: 135200
Operation Status: Inactive
Common Name: Portland Gas & Coke Company
Yrs of Operation: 1901? - 1958
Comments: The company changed its name from Portland Gas & Coke Company to Northwest Natural Gas Company in July 1958.
Updated Date: 09/14/2006
Updated By: SFORTUN
Decode for OpstatID: Inactive

CRL:
Facility ID: 1488
Location ID: 1791
Status Code: LIS
Facility Status: Independent Cleanup Program
Lat/Long: 45.5034 / -122.656

LUST:
Region: North Western Region
Facility ID: 26-92-0217
Cleanup Received Date: 07/08/1992
Cleanup Start Date: 07/08/1992
Cleanup Complete Date: 04/16/1996
Decode for Region: North West Region

Region: North Western Region
Facility ID: 26-95-0218
Cleanup Received Date: 08/23/1995
Cleanup Start Date: 08/23/1995
Cleanup Complete Date: 04/16/1996
Decode for Region: North West Region

UST:
Facility ID: 1539
Facility Telephone: (503)226-4211
Permittee Name: J.F. RUSSO, MANAGER
Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 4
Number of Tanks: 4

VCS:
ECS Site ID: 1488
Facility Size: 5.16 acres
Action: Independent Cleanup Program
Start Date: 06/06/2007
End Date: Not reported
Facility Status: Active
Program: ICP
Latitude: 45.50339
Longitude: -122.6560

OR BROWNFIELDS:
Geolocation Id: 1791
Status: Independent Cleanup Program

CENTRAL SERVICE CENTER (Continued) **U000432123**

Lat/Long: 45.5034 / -122.656

OR UIC:
UIC Well #: 1
Type: 5D4
Type Description: Industrial Storm Water Drainage
Status: Formal Closure
UIC Number: 13269
Facility Status: Formal Closure
Lat/Long: 45.503399 / -122.6572

UIC Well #: 2
Type: 5D4
Type Description: Industrial Storm Water Drainage
Status: Formal Closure
UIC Number: 13269
Facility Status: Formal Closure
Lat/Long: 45.503399 / -122.6572

UIC Well #: 3
Type: 5D4
Type Description: Industrial Storm Water Drainage
Status: Formal Closure
UIC Number: 13269
Facility Status: Formal Closure
Lat/Long: 45.503399 / -122.6572

UIC Well #: 4
Type: 5D4
Type Description: Industrial Storm Water Drainage
Status: Formal Closure
UIC Number: 13269
Facility Status: Formal Closure
Lat/Long: 45.503399 / -122.6572

UIC Well #: 5
Type: 5D4
Type Description: Industrial Storm Water Drainage
Status: Formal Closure
UIC Number: 13269
Facility Status: Formal Closure
Lat/Long: 45.503399 / -122.6572

UIC Well #: 6
Type: 5D4
Type Description: Industrial Storm Water Drainage
Status: Formal Closure
UIC Number: 13269
Facility Status: Formal Closure
Lat/Long: 45.503399 / -122.6572

UIC Well #: 7
Type: 5D4
Type Description: Industrial Storm Water Drainage
Status: Formal Closure
UIC Number: 13269
Facility Status: Formal Closure

CENTRAL SERVICE CENTER (Continued) **U000432123**

Lat/Long: 45.503399 / -122.6572

UIC Well #: 8
Type: 5D4
Type Description: Industrial Storm Water Drainage
Status: Formal Closure
UIC Number: 13269
Facility Status: Formal Closure
Lat/Long: 45.503399 / -122.6572

UIC Well #: 9
Type: 5D4
Type Description: Industrial Storm Water Drainage
Status: Formal Closure
UIC Number: 13269
Facility Status: Formal Closure
Lat/Long: 45.503399 / -122.6572

UIC Well #: 10
Type: 5D4
Type Description: Industrial Storm Water Drainage
Status: Formal Closure
UIC Number: 13269
Facility Status: Formal Closure
Lat/Long: 45.503399 / -122.6572

UIC Well #: 11
Type: 5D4
Type Description: Industrial Storm Water Drainage
Status: Formal Closure
UIC Number: 13269
Facility Status: Formal Closure
Lat/Long: 45.503399 / -122.6572

UIC Well #: 12
Type: 5D4
Type Description: Industrial Storm Water Drainage
Status: Formal Closure
UIC Number: 13269
Facility Status: Formal Closure
Lat/Long: 45.503399 / -122.6572

UIC Well #: 13
Type: 5D4
Type Description: Industrial Storm Water Drainage
Status: Not Installed
UIC Number: 13269
Facility Status: Formal Closure
Lat/Long: 45.503399 / -122.6572

UIC Well #: 14
Type: 5D4
Type Description: Industrial Storm Water Drainage
Status: Formal Closure
UIC Number: 13269
Facility Status: Formal Closure
Lat/Long: 45.503399 / -122.6572

DZ557 **GAS HOLDER TANK SITE (FORMER)** **OR ECSI** **S113408883**
NNW **5 SE MARTIN LUTHER KING, JR. BLVD.** **OR VCP** **N/A**
1/2-1 **PORTLAND, OR 97214**
0.654 mi.
3453 ft. **Site 1 of 2 in cluster DZ**

Relative:
Higher

Actual:
58 ft.

ECSI:

State ID Number:	5798
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	No Further Action
FACA ID:	127158
Further Action:	0
Lat/Long (dms):	45 31 21.00 / -122 39 43.60
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	N
Range Coord:	1.00
Range Zone:	E
Section Coord:	34
Qtr Section:	DD
Tax Lots:	400
Size:	0.21 acre
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	09/10/2014
Created Date:	03/22/2013
Decode For RegionID:	Northwest Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	No Further Action
Decode For Legislative:	Not reported

Narrative:

NARR ID:	5754598
NARR Code:	Site Contacts
Created By:	GWISTAR
Created Date:	04/22/2013
Updated By:	GWISTAR
Updated Date:	04/22/2013
Decode for NarcdID:	Site Contacts
NARR Comments:	Doris Gulden, Finance ExecutiveFishel's, Inc.5 SE M.L. King Jr. Blvd.Portland, OR 97214-1128503-235-8941

NARR ID:	5754879
NARR Code:	Data Sources
Created By:	CHARMAN
Created Date:	10/09/2013
Updated By:	CHARMAN
Updated Date:	10/09/2013
Decode for NarcdID:	Data Sources
NARR Comments:	(10/09/13 CWH/CU) Northwest Geotech, Inc., Phase I Environmental Site Assessment, East Portland Gas Works, 5 SE Martin Luther King Boulevard, Portland, OR; December 3, 2012. GeoEngineers, Response to DEQ Comments, Former Gas Holder Tank Site, Tax Lot 400, 5 MLK

GAS HOLDER TANK SITE (FORMER) (Continued) **S113408883**

Boulevard, Portland, Oregon; July 24, 2013GeoEngineers, Phase II Environmental Site Assessment, Former Gas Holder Tank Site, Tax Lot 400, 5 MLK Boulevard, Portland, Oregon; June 21, 2013GeoEngineers, Phase II Environmental Site Assessment Work Plan, Former Gas Holder Tank Site, Tax Lot 400, 5 MLK Boulevard, Portland, Oregon; March 14, 2013Oregon Department of Environmental Quality; Cleanup Program files for ECSI# 4426 and 5798; DEQ Northwest Region Office.

NARR ID: 5754556
NARR Code: General Site Description
Created By: CHARMAN
Created Date: 03/22/2013
Updated By: CHARMAN
Updated Date: 11/13/2013
Decode for NarcdID: General Site Description
NARR Comments: (CWH/CU 3/22/13) Site is developed as parking lot for adjacent building. Lot is leveled but is raised above a downhill sloping street. The SE Ankeny Street and SE 3rd Avenue corner of the lot appears to be a remnant of an outer concrete wall of the former circular gas holder tank.The surrounding area is primarily commercial and warehouse uses, with some light industrial use nearby.

NARR ID: 5754557
NARR Code: Hazardous Substance/Waste Types
Created By: CHARMAN
Created Date: 03/22/2013
Updated By: CHARMAN
Updated Date: 11/13/2013
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: (CWH/CU 3/22/13) Soils around former gas holder tanks have been found to contain hazardous substances such as heavy metals, cyanide and polynuclear aromatic hydrocarbons (PAHs).(CWH/CU 11/13/13) The Phase II Environmental Site Investigation completed in May 2013 did not detect significant contamination in soils within and around the footprint of the former 300,000 cubic foot gas holder tank.

NARR ID: 5754889
NARR Code: Remedial Action
Created By: CHARMAN
Created Date: 10/24/2013
Updated By: CHARMAN
Updated Date: 11/13/2013
Decode for NarcdID: Remedial Action
NARR Comments: 10/21/13 CWH/CU - No remedial action was required. Based on data gathered during a Phase II environmental assessment completed in May 2013, there was no evidence that any significant releases had occurred from the former holder tank.DEQ issued a no further action determination on October 21, 2013.An updated no further action letter was issued by DEQ on November 13, 2013 that corrected some errors in the earlier letter.

NARR ID: 5754558
NARR Code: Site History
Created By: CHARMAN
Created Date: 03/22/2013
Updated By: CHARMAN
Updated Date: 11/13/2013

GAS HOLDER TANK SITE (FORMER) (Continued) **S113408883**

Decode for NarcdID: Site History
NARR Comments: NOTE: This site was originally evaluated in DEQ Site Assessment under the East Portland Gas Works site (ECSI #4426). In March 2013, DEQ separated this tax lot - 400 from the larger site and renamed it Former Gas Holder Tank Site. The 300,000 cubic foot gas holder tank on this site was never used in conjunction with the East Portland Gas Works (EPGW) site. The 300,000 gas holder tank was constructed after 1901 and the EPGW site stopped operating in 1892.(CWH/CU 11/13/13) The Former Gas Holder Tank site once hosted a 300,000 cubic foot gas holder tank that received manufactured natural gas from a gas works that operated on a property on the west side of the Willamette River (Former Portand Gas Manufacturing Site, ECSI #1138). According to records, an adjacent gas plant, East Portland Gas Works, ceased operation around 1892. Records indicate that the holder tank was constructed sometime between 1900 and 1909 and used until around 1924. Sometime in the 1940s, the 300,000 cubic foot tank was demolished. In the 1950s relatives of the current owners purchased the property plus surrounding properties and established a furniture store. The former holder tank property, located in the southwest corner of the block, was and continues to be used for parking.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 03/22/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/22/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9511
Region: Northwestern Region
Complete Date: 10/21/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/22/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE INVESTIGATION
Further Action: 0
Comments: Not reported

Action ID: 9440
Region: Northwestern Region
Complete Date: 10/21/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/22/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region

GAS HOLDER TANK SITE (FORMER) (Continued) **S113408883**

Category: Remedial Action
Action Code Flag: False
Action: Letter Agreement
Further Action: 0
Comments: Not reported

Action ID: 9443
Region: Northwestern Region
Complete Date: 10/21/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/24/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

VCS:
ECS Site ID: 5798
Facility Size: 0.21 acre
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 10/21/2013
End Date: 10/21/2013
Facility Status: Completed
Program: VCP
Latitude: 45.52250
Longitude: -122.6621

DZ558 **BLOCK 76/67 SITE** **OR ECSI** **S106044950**
NNW **15 NE MARTIN LUTHER KING, JR. BLVD.** **OR VCP** **N/A**
1/2-1 **PORTLAND, OR 97232** **OR BROWNFIELDS**
0.665 mi.
3511 ft. **Site 2 of 2 in cluster DZ**

Relative:
Higher

Actual:
60 ft.

ECSI:
State ID Number: 3930
Brown ID: Brownfield Site - DEQ Tech Assistance
Study Area: False
Region ID: 2
Legislatve ID: 831
Investigation: No Further Action
FACA ID: 60262
Further Action: 0
Lat/Long (dms): 45 31 22.80 / -122 39 41.80
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: N
Range Coord: 1.00
Range Zone: E
Section Coord: 34
Qtr Section: DA
Tax Lots: Lot 6, Block 67; Lots 1-8, 76

BLOCK 76/67 SITE (Continued) **S106044950**

Size: 0.89 Acres
NPL: False
Orphan: False
Updated By: DHAFLEY
Update Date: 11/30/2012
Created Date: 08/11/2003
Decode For RegionID: Northwest Region
Decode For BrownID: Brownfield Site - DEQ Technical Assistance
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action
Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420
Alias Name: Burnside Bridgehead
Alias Name: Portland Development Commission (PDC)

Narrative:
NARR ID: 5748178
NARR Code: Site Contacts
Created By: DHAFLEY
Created Date: 06/05/2006
Updated By: DHAFLEY
Updated Date: 06/05/2006
Decode for NarcdID: Site Contacts
NARR Comments: David ObernPortland Development Commission222 NW Fifth AvenuePortland, Oregon 97209(503) 823-3200Dan HafleyCleanup & Lower Willamette SectionNorthwest Region, DEQ2020 SW Fourth Ave., Suite 400Portland, OR 97213(503) 229-5417

NARR ID: 5748179
NARR Code: Contamination
Created By: DHAFLEY
Created Date: 06/05/2006
Updated By: DHAFLEY
Updated Date: 06/05/2006
Decode for NarcdID: Contamination
NARR Comments: Mainly petroleum hydrocarbons from UNOCAL service station formerly located on Block 76, and miscellaneous other TPH sources.

NARR ID: 5748180
NARR Code: Data Sources
Created By: DHAFLEY
Created Date: 06/05/2006
Updated By: DHAFLEY
Updated Date: 06/05/2006
Decode for NarcdID: Data Sources
NARR Comments: 1) Remedial Investigation Report, Block 76/67; prepared by Hart Crowser for the PDC, August 9, 2005.2) DEQ Closeout Memorandum; March 15, 2006.3) DEQ Northwest Region Cleanup Files (ECSI# 3930).

NARR ID: 5748181
NARR Code: Hazardous Substance/Waste Types
Created By: DHAFLEY
Created Date: 06/05/2006
Updated By: DHAFLEY
Updated Date: 06/05/2006
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Petroleum hydrocarbons and related constituents including PAHs and VOCs. An plume of PCE extends through the site, but was determined to

BLOCK 76/67 SITE (Continued) **S106044950**

emanate from north of the site and is not attributable to any site activities. Minor impacts to both soil and shallow groundwater have been observed at the site.

NARR ID: 5748182
NARR Code: Project Issues Summary
Created By: DHAFLEY
Created Date: 06/05/2006
Updated By: DHAFLEY
Updated Date: 06/05/2006
Decode for NarcdID: Project Issues Summary
NARR Comments: Removal of contaminated soil associated with the former UNOCAL station was completed in 1988 and 1992. USTs associated with this area (southwest portion of site) received a DEQ NFA in 1994. Following review of soil and groundwater investigation work complete at the site through 2005, DEQ Northwest Region Cleanup Program determinated that remaining soil and groundwater contamination at the site (minor) does not pose a risk to public health or the environment. An NFA was issued in May 2006. Three to four petroleum USTs remained at the site as of June 2006; the PDC agreed to decommission the tanks per UST rules as part of upcoming site development work. A Soil Management Plan was also prepared to address handling of any ***lightly-contaminated soil*** that will be removed from the site as part of site development work.

NARR ID: 5744000
NARR Code: Site Location
Created By: JWAGGY
Created Date: 08/11/2003
Updated By: DHAFLEY
Updated Date: 06/05/2006
Decode for NarcdID: Site Location
NARR Comments: Betweem NE 2nd and NE MLK immediately north of East Burnside. Site consists of Lot 6 of Block 67 and Lots 1 through 8 of Block 76.

NARR ID: 5749295
NARR Code: Project Activity Status
Created By: JWAGGY
Created Date: 05/22/2007
Updated By: JWAGGY
Updated Date: 05/22/2007
Decode for NarcdID: Project Activity Status
NARR Comments: Project file archived 5/11/2007.

NARR ID: 5748177
NARR Code: Remedial Action
Created By: DHAFLEY
Created Date: 06/02/2006
Updated By: DHAFLEY
Updated Date: 11/30/2012
Decode for NarcdID: Remedial Action
NARR Comments: A Remedial Investigation Report was issued for the site in August 2005 which presents the results of soil and groundwater sampling completed at the site, during which generally low levels of petroleum hydrocarbons and constituents were detected in soil and groundwater. The primary source of the releases was a UNOCAL station that formerly was located on Block 76. Site work included soil removal associated

BLOCK 76/67 SITE (Continued) **S106044950**

w/ UNOCAL USTs. DEQ reviewed the report under DEQ's ICP, and in a closeout memo dated March 15, 2006 determined that no additional site action was warranted, as remaining contaminants were below risk-based concentrations. Four known or suspected USTs remain at the site which will be addressed by the PDC or the site developer as part of site development work. DEQ received a commitment from the PDC (Dave Obern) to do the work in a letter dated November 25, 2005, a copy of which is attached to the site NFA letter. The NFA was issued on May 30, 2006 following a 30-day public comment period. No comment was received. USTs were subsequently addressed in 2008, with approval by DEQ LUST program in 2009 (see Webdocs 2009 NFA). Site environmental work is therefore considered complete.

NARR ID: 5748183
NARR Code: Health Threats
Created By: DHAFLEY
Created Date: 06/05/2006
Updated By: DHAFLEY
Updated Date: 06/05/2006
Decode for NarcdID: Health Threats
NARR Comments: At present, the site does not pose a significant risk to public health or the environment.

NARR ID: 5748184
NARR Code: Water Use (Current/Reasonably Likely)
Created By: DHAFLEY
Created Date: 06/05/2006
Updated By: DHAFLEY
Updated Date: 06/05/2006
Decode for NarcdID: Water Use (Current/Reasonably Likely)
NARR Comments: As part of the 2005 Remedial Investigation Report prepared by Hart Crowser for the site, a BWUD was completed. Shallow groundwater at and in the immediate vicinity of the site was determined to have no current or reasonably likely beneficial use other than recharge of deeper aquifers and the Willamette River. Deeper groundwater in the site vicinity could potentially be used for industrial or irrigation purposes, however site contaminants are generally ***floaters*** (lighter than water) and not expected to migrate deeper to any appreciable amount. Site contaminants have not migrated a significant distance off-site and therefore are not expected to impact the Willamette River.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 08/11/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/11/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9440

BLOCK 76/67 SITE (Continued) **S106044950**

Region: Northwestern Region
Complete Date: 07/22/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/11/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Letter Agreement
Further Action: Low
Comments: Not reported

Action ID: 9484
Region: Northwestern Region
Complete Date: 08/01/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/02/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: Low
Comments: Not reported

Action ID: 9443
Region: Northwestern Region
Complete Date: 05/30/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/02/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: NFA issued for Cleanup Program issues. Four tanks suspected or known to be present at the site will be addressed through DEQ's Northwest Region UST Program per commitment from the Portland Development Commission. UST work subsequently completed.

Operations:
Operation Id: 134791
Operation Status: Inactive
Common Name: Unocal
Yrs of Operation: Unknown
Comments: Not reported
Updated Date: 08/11/2003
Updated By: JWAGGY
Decode for OpstatID: Inactive

VCS:
ECS Site ID: 3930
Facility Size: 0.89 Acres

BLOCK 76/67 SITE (Continued) **S106044950**

Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 05/30/2006
End Date: 05/30/2006
Facility Status: Completed
Program: VCP
Latitude: 45.52300
Longitude: -122.6616

OR BROWNFIELDS:
Geolocation Id: 60262
Status: NO FURTHER STATE ACTION REQUIRED
Lat/Long: 45.523 / -122.661

559
SSW
1/2-1
0.668 mi.
3527 ft.

IVON STREET WATERFRONT PROJECT **OR ECSI** **S109154969**
306 SE IVON ST. **OR VCP** **N/A**
PORTLAND, OR 97202 **OR NPDES**

Relative:
Higher

Actual:
51 ft.

ECSI:
State ID Number: 5906
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: Suspect
FACA ID: 132353
Further Action: 0
Lat/Long (dms): 45 30 13.30 / -122 39 46.40
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 10
Qtr Section: AA
Tax Lots: 500
Size: 2.96 acres
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 03/18/2015
Created Date: 06/17/2014
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: Suspect
Decode For Legislative: Not reported

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 06/17/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/17/2014

IVON STREET WATERFRONT PROJECT (Continued) **S109154969**

Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 09/04/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/17/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Not reported

Action ID: 9425
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/24/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: 0
Comments: Not reported

VCS:
ECS Site ID: 5906
Facility Size: 2.96 acres
Action: SITE EVALUATION
Start Date: 09/04/2014
End Date: Not reported
Facility Status: Active
Program: VCP
Latitude: 45.50370
Longitude: -122.6628

NPDES:
WQ File Nbr: 117980
Legal Name: PORTLAND CITY STORAGE LLC
Region: Not reported
Pri SIC: 1542
Facility Type: Not reported
Latitude: Not reported
Longitude: Not reported
Category: Not reported

IVON STREET WATERFRONT PROJECT (Continued) **S109154969**

Permit Type:	GEN12C
Permit Active:	Not reported
Is Active?:	FALSE
Permit Description:	Not reported
Expiration Date:	Not reported
EPA Number:	Not reported
UIC Facility:	Not reported
Admin Agent:	Not reported
Last Action Date:	Not reported
Permit Writer:	Not reported
Compliance Inspector:	Not reported
DMR Reviewer:	Not reported
Application Number:	Not reported
Class:	Not reported
Start Date:	Not reported
Region Decode:	Not reported

560
SSW
1/2-1
0.686 mi.
3622 ft.

ODOT - MLK/GRAND VIADUCT PROJECT **OR ECSI** **S107421159**
HWY 99E, MP 1.0 - 1.4 **N/A**
PORTLAND, OR 97202

Relative:
Higher

Actual:
67 ft.

ECSI:

State ID Number:	4517
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	831
Investigation:	Suspect
FACA ID:	90338
Further Action:	0
Lat/Long (dms):	45 30 12.60 / -122 39 38.50
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	2
Qtr Section:	Not reported
Tax Lots:	Sections 2 & 11
Size:	Not reported
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	05/23/2007
Created Date:	10/10/2005
Decode For RegionID:	Northwest Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	Suspect
Decode For Legislative:	Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

Narrative:

NARR ID:	5747309

ODOT - MLK/GRAND VIADUCT PROJECT (Continued) **S107421159**

NARR Code: Contamination
Created By: JWAGGY
Created Date: 10/10/2005
Updated By: JWAGGY
Updated Date: 10/10/2005
Decode for NarcdID: Contamination
NARR Comments: (10/10/05 MR/ICP) Unknown, ODOT road improvement project, on-going soil investigation.

NARR ID: 5749324
NARR Code: General Site Description
Created By: GWISTAR
Created Date: 05/23/2007
Updated By: GWISTAR
Updated Date: 05/23/2007
Decode for NarcdID: General Site Description
NARR Comments: (10/11/05 MR/ICP) This is a road-improvement project that involves soil investigations along the new road and overpass right-of-way. ODOT owns all properties.

NARR ID: 5747307
NARR Code: Site Location
Created By: JWAGGY
Created Date: 10/10/2005
Updated By: GWISTAR
Updated Date: 05/23/2007
Decode for NarcdID: Site Location
NARR Comments: Various properties along Hwy 99E between milepost 1.0 and 1.4.

NARR ID: 5752293
NARR Code: Remedial Action
Created By: BSCHWAR
Created Date: 07/02/2010
Updated By: BSCHWAR
Updated Date: 07/02/2010
Decode for NarcdID: Remedial Action
NARR Comments: In April 2006 construction began on the OR99E: Division Street - Ross Island Bridge Project. This project was the first phase of a larger one involving replacement of the MLK and Grand viaduct structures that cross over Division Street and theUnion Pacific Railroad right-of-way near OMS1 in Portland.Environmental activities associated with this construction project include the following:- Two dry wells were cleaned out and backfilled with slurry on January 30, 2006 by ODOT's contractor (UIC #12598; 2505 SE Grand Ave, Portland) - On July 5, 2006, DEQ issued a Solid Waste Permit Exemption, under which approximately 10,300 cubic meters of soil with low levels of contamination were placed in utility trenches within the construction site. A copy of the exemption letter is attached.- On April 9, 2007, DEQ provided a letter concurring with a proposal by ODOT that soil at depths to 4 feet be disposed of at a permitted landfill. Deeper soil could be left in place because sample results indicate that contamination in this soil does not exceed safe levels for construction workers.- Dry wells were discovered on a portion of the site formerly occupied by Commercial Iron Works. These were referred to DEQ's UIC Program.- VOC contamination in soil was discovered in 2009 at a location where ODOT needed to drive piles. The concern was that the piles could drive contamination down into groundwater. One

ODOT - MLK/GRAND VIADUCT PROJECT (Continued) **S107421159**

solution we considered was to require a bentonite plug at the top of the piles. However, we then learned that reinforced concrete pile caps at the top of the piles would be installed anyway, and would serve this purpose.

Administrative Action:

Action ID:	9495
Region:	Northwestern Region
Complete Date:	10/01/2009
Rank Value:	Not reported
Cleanup Flag:	False
Created Date:	01/07/2014
Decode for AgencyID:	Department of Environmental Quality
Decode for RegionID:	Northwest Region
Category:	Remedial Action
Action Code Flag:	False
Action:	Other recommendation
Further Action:	0
Comments:	Not reported

Action ID:	9424
Region:	Not reported
Complete Date:	10/10/2005
Rank Value:	Not reported
Cleanup Flag:	False
Created Date:	10/10/2005
Decode for AgencyID:	Department of Environmental Quality
Decode for RegionID:	Not reported
Category:	Administrative Action
Action Code Flag:	False
Action:	Site added to database
Further Action:	Not reported
Comments:	Not reported

Action ID:	9435
Region:	Northwestern Region
Complete Date:	Not reported
Rank Value:	Not reported
Cleanup Flag:	False
Created Date:	10/10/2005
Decode for AgencyID:	Department of Environmental Quality
Decode for RegionID:	Northwest Region
Category:	Remedial Action
Action Code Flag:	False
Action:	Independent Cleanup Program
Further Action:	0
Comments:	Not reported

561
NNW
1/2-1
0.708 mi.
3737 ft.

BLOCK 75 **OR ECSI S116734847**
111 NE MARTIN LUTHER KING JR. BLVD. **OR VCP N/A**
PORTLAND, OR 97232

Relative:
Higher

Actual:
65 ft.

ECSI:

State ID Number:	5905
Brown ID:	0
Study Area:	False

BLOCK 75 (Continued) **S116734847**

Region ID: 2
Legislatve ID: 831
Investigation: No Further Action
FACA ID: 5332
Further Action: 0
Lat/Long (dms): 45 31 26.00 / -122 39 43.60
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: N
Range Coord: 1.00
Range Zone: E
Section Coord: 34
Qtr Section: DA
Tax Lots: 2900, 3000, 3200
Size: 0.61 acres
NPL: False
Orphan: False
Updated By: KDANA
Update Date: 10/12/2015
Created Date: 06/17/2014
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action
Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420
Alias Name: Industrial Finishes & Systems Inc.
Alias Name: Urban Development Partners
Alias Name: Portland Development Commission (PDC)

Hazardous Release:
Substance ID.: 121011
Haz Release ID: 388217
Qty Released: unknown
Date Released: unknown
Update Date: 10/16/2014
Update By: KDANA
Substance Code: 127-18-4
Substance Name: TETRACHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8519
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8551

BLOCK 75 (Continued) **S116734847**

Substance Category:	Solvents of interest to Milwaukie Area GW study
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Alias ID:	316912
Sub Alias Name:	ETHENE,TETRACHLORO-
Substance Alias ID:	316913
Sub Alias Name:	ETHYLENE TETRACHLORIDE
Substance Alias ID:	316914
Sub Alias Name:	PERCHLOROETHYLENE
Substance Alias ID:	316915
Sub Alias Name:	PERCLENE
Substance Alias ID:	316916
Sub Alias Name:	TETRACHLOROETHENE
Substance Alias ID:	316917
Sub Alias Name:	TETRACHLOROETHENE,1,1,2,2-
Substance Alias ID:	316918
Sub Alias Name:	TETRACHLOROETHYLENE,1,1,2,2-
Comment ID:	305651
Release Code:	General Comments
Release Comments:	Also known as perchloroethylene (PCE or perc)
Decode for Relcomcd:	General Comments
Comment ID:	305652
Release Code:	Media Contamination Footnote
Release Comments:	Other = soil gas
Decode for Relcomcd:	Media Contamination Footnote
Comment ID:	305653
Release Code:	Data Sources
Release Comments:	September 2014 Focused Work Plan by Hahn & Associates, Inc.
Decode for Relcomcd:	Data Sources
Sampling Result ID:	350723
Feature Id:	0
Hazard Release Id:	388217
Medium:	698
Substance Abbrev.:	0
Unit Code:	8
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	32.5-35.0 ft bgs
Start Date:	07/28/1999
End Date:	07/28/1999
Min Concentration:	Not reported
Max Concentration:	35.10
Sample Comment:	up to 35.1 ppb
Last Update By:	KDANA
Update Date:	10/16/2014
Decode for MediumID:	Groundwater
Sampling Result ID:	350724
Feature Id:	0
Hazard Release Id:	388217
Medium:	700
Substance Abbrev.:	0
Unit Code:	95
Observation:	False
Owner Operator:	False
Lab Data:	True

BLOCK 75 (Continued) **S116734847**

Sample Depth: 4.5-5.0 ft bgs
Start Date: 11/27/2013
End Date: 11/27/2013
Min Concentration: Not reported
Max Concentration: 690.00
Sample Comment: up to 690 ug/m3
Last Update By: KDANA
Update Date: 10/16/2014
Decode for MediumID: Other

Substance ID.: 121664
Haz Release ID: 388258
Qty Released: unknown
Date Released: unknown
Update Date: 09/30/2015
Update By: KDANA
Substance Code: 7440-38-2
Substance Name: ARSENIC
Substance Abbrev.: Not reported
Substance Category ID: 8439
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8439
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319286
Sub Alias Name: AS
Comment ID: 305691
Release Code: Data Sources
Release Comments: June 2015 ICP Report by Hahn & Associates, Inc.
Decode for Relcomcd: Data Sources
Sampling Result ID: 350766
Feature Id: 0
Hazard Release Id: 388258
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 0-2 ft bgs
Start Date: 01/26/2015
End Date: 01/26/2015
Min Concentration: Not reported
Max Concentration: 10.00
Sample Comment: up to 10.0 ppm
Last Update By: KDANA
Update Date: 09/30/2015
Decode for MediumID: Soil
Sampling Result ID: 350767
Feature Id: 0
Hazard Release Id: 388258
Medium: 703

BLOCK 75 (Continued) **S116734847**

Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 26.5 ft bgs
Start Date: 01/26/2015
End Date: 01/26/2015
Min Concentration: Not reported
Max Concentration: 17.70
Sample Comment: up to 17.7 ppm
Last Update By: KDANA
Update Date: 09/30/2015
Decode for MediumID: Soil

Substance ID.: 121639
Haz Release ID: 388259
Qty Released: unknown
Date Released: unknown
Update Date: 09/30/2015
Update By: KDANA
Substance Code: 7439-92-1
Substance Name: LEAD
Substance Abbrev.: Not reported
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319256
Sub Alias Name: PB
Comment ID: 305692
Release Code: Data Sources
Release Comments: June 2015 ICP Report by Hahn & Associates, Inc.
Decode for Relcomcd: Data Sources
Sampling Result ID: 350768
Feature Id: 0
Hazard Release Id: 388259
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 26.5 ft bgs
Start Date: 01/26/2015
End Date: 01/26/2015
Min Concentration: Not reported
Max Concentration: 944.00
Sample Comment: up to 944 ppm
Last Update By: KDANA
Update Date: 09/30/2015

BLOCK 75 (Continued) **S116734847**

Decode for MediumID: Soil
Sampling Result ID: 350769
Feature Id: 0
Hazard Release Id: 388259
Medium: 703
Substance Abbrev.: 0
Unit Code: 7
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 0-2 ft bgs
Start Date: 01/26/2015
End Date: 01/26/2015
Min Concentration: Not reported
Max Concentration: 20.30
Sample Comment: up to 20.3 ppm
Last Update By: KDANA
Update Date: 09/30/2015
Decode for MediumID: Soil

Narrative:

NARR ID: 5755352
NARR Code: Contamination
Created By: KDANA
Created Date: 10/13/2014
Updated By: KDANA
Updated Date: 10/12/2015
Decode for NarcdID: Contamination
NARR Comments: (10/08/2015 KPD/ICP) Groundwater samples collected to the south of Block 75 in 1998 and 1999 identified a plume of PCE that appeared to originate on the Block. Soil samples collected on Block 75 in July 2004 found virtually no contamination of any kind. However, soil gas samples collected in November 2013 showed a plume of PCE extending roughly from the center of the Block to the southeast corner. PCE was also detected in on-site groundwater samples in October 2014.

NARR ID: 5755355
NARR Code: Data Sources
Created By: KDANA
Created Date: 10/13/2014
Updated By: KDANA
Updated Date: 07/06/2015
Decode for NarcdID: Data Sources
NARR Comments: 1) HAI ***Phase II Environmental Site Assessment Report*** [September 15, 2004].2) HAI ***Phase II Environmental Site Assessment Report*** [December 11, 2013].3) HAI ***Contaminated Media Management Plan*** [July 11, 2014].4) HAI ***Focused Work Plan for Supplemental Groundwater Investigation*** [September 9, 2014].5) HAI ***Independent Cleanup Pathway Report*** [June 8, 2015].

NARR ID: 5755353
NARR Code: Hazardous Substance/Waste Types
Created By: KDANA
Created Date: 10/13/2014
Updated By: KDANA
Updated Date: 10/13/2014
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Perchloroethylene (PCE)

BLOCK 75 (Continued) **S116734847**

NARR ID: 5755350
NARR Code: Site Location
Created By: KDANA
Created Date: 10/13/2014
Updated By: KDANA
Updated Date: 10/13/2014
Decode for NarcdID: Site Location
NARR Comments: The site occupies all but the NE quarter of the block bounded by NE Davis Street to the north, NE Couch Street to the south, NE MLK Blvd. to the east and NE 3rd Avenue to the west.

NARR ID: 5755357
NARR Code: Manner of Release
Created By: KDANA
Created Date: 10/16/2014
Updated By: KDANA
Updated Date: 07/06/2015
Decode for NarcdID: Manner of Release
NARR Comments: Manner and time of release unknown. Most likely releases of degreasing solvents from auto and motorcycle repair and maintenance facilities. The solvents may have traveled through abandoned cesspools to groundwater.

NARR ID: 5755354
NARR Code: Media Contamination
Created By: KDANA
Created Date: 10/13/2014
Updated By: KDANA
Updated Date: 10/13/2014
Decode for NarcdID: Media Contamination
NARR Comments: Groundwater and soil gas

NARR ID: 5755821
NARR Code: Site Ownership
Created By: KDANA
Created Date: 09/30/2015
Updated By: KDANA
Updated Date: 09/30/2015
Decode for NarcdID: Site Ownership
NARR Comments: Urban Development Partners (UDP) purchased Block 75 from the Portland Development Commission (PDC) around January 2014.

NARR ID: 5755820
NARR Code: Pathways Other Hazards
Created By: KDANA
Created Date: 09/30/2015
Updated By: KDANA
Updated Date: 10/01/2015
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Soils at the site were generally described as sandy silts to about 20 ft bgs, grading to silty and sandy gravels below 30 ft bgs. The gravels extend to at least 75 ft bgs. Groundwater was encountered roughly 40 ft bgs and flows southwest. The nearest surface water body is the Willamette River, about 750 feet west of the site. The site and surrounding properties are currently zoned Central Employment with a design overlay (EXd) by the City of Portland.

BLOCK 75 (Continued) **S116734847**

NARR ID: 5755822
NARR Code: Remedial Action
Created By: KDANA
Created Date: 09/30/2015
Updated By: KDANA
Updated Date: 10/12/2015
Decode for NarcdID: Remedial Action
NARR Comments: (10/08/2015 KPD/ICP) Redevelopment of the site began the last week of December 2014. Within days three former cesspools were discovered on the south half of the block. The cesspools were 3 ft in diameter, brick-lined, and extended to groundwater. Sediments at the bottom of the cesspools were contaminated with oil and metals. A total of 20.34 tons of sediments were vacuumed or augured out of the cesspools and shipped to the Hillsboro Landfill for disposal.Approximately 24,000 cubic yards of soil were excavated up to 22 ft bgs from the south half of the block and shipped to the Portside Lagoon and Landfill in Vancouver for disposal. No evidence of soil contamination (such as odors or staining) was observed during the excavations.Elevated concentrations of arsenic and lead remain at the bottom of one of the cesspools, and elevated concentrations of arsenic were detected in a composite surface soil sample from a parcel of former right-of-way immediately south of the block. However, DEQ has determined that the arsenic and lead at the bottom of the cesspool are too deep and too limited in extent to pose a direct contact risk, and the former right-of-way will be capped by the City of Portland to prevent contact with arsenic in the surface soils. DEQ also determined that the PCE concentrations in soil gas and groundwater did not pose an unacceptable risk to human health or the environment.

NARR ID: 5755358
NARR Code: Health Threats
Created By: KDANA
Created Date: 10/16/2014
Updated By: KDANA
Updated Date: 10/16/2014
Decode for NarcdID: Health Threats
NARR Comments: No unacceptable risks have been identified from the contamination at the site. The soil gas concentrations are well below DEQ’s risk-based concentrations, and groundwater in the area is not used as a drinking water source.

NARR ID: 5755351
NARR Code: Site History
Created By: KDANA
Created Date: 10/13/2014
Updated By: KDANA
Updated Date: 07/06/2015
Decode for NarcdID: Site History
NARR Comments: Approximately 11 residences were present at the site as of 1889. The residences began to be removed in the mid-1930s. By 1950 all of the residences had been removed, and a building was constructed in the SW quarter of the block. The building was variously used for automotive maintenance, motorcycle assembly, and delivery vehicle maintenance. A second building was constructed in the SE quarter of the block in 1970. The building was used as a motorcycle repair shop in the 1970s, as an automotive paint mixing and matching facility in the 1980s and 1990s, and as a bakery and restaurant in the 2000s. Both buildings

BLOCK 75 (Continued) **S116734847**

were torn down in 2008, and the site remained vacant until construction of the current building began in 2015.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 06/17/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/17/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 07/28/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/17/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Not reported

Action ID: 9435
Region: Northwestern Region
Complete Date: 10/08/2015
Rank Value: Not reported
Cleanup Flag: True
Created Date: 10/13/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Independent Cleanup Program
Further Action: 0
Comments: Not reported

Action ID: 9443
Region: Northwestern Region
Complete Date: 10/08/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/12/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0

BLOCK 75 (Continued) **S116734847**

Comments: Not reported

VCS:
ECS Site ID: 5905
Facility Size: 0.61 acres
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 10/08/2015
End Date: 10/08/2015
Facility Status: Completed
Program: ICP
Latitude: 45.52389
Longitude: -122.6621

562
North
1/2-1
0.757 mi.
3999 ft.

THROWAWAY BIT CORP.
624 NE EVERETT ST.
PORTLAND, OR 97232

OR ECSI **S103842084**
OR VCP **N/A**

Relative:
Higher

Actual:
82 ft.

ECSI:
State ID Number: 1068
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 831
Investigation: No Further Action
FACA ID: 3768
Further Action: 0
Lat/Long (dms): 45 31 29.30 / -122 39 32.40
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: N
Range Coord: 1.00
Range Zone: E
Section Coord: 35
Qtr Section: CB
Tax Lots: TL 2100 (Lots 7,8; Block 149)
Size: 0.23 acres
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 06/23/2015
Created Date: 02/04/1991
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action
Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420
Alias Name: Vintage House Merchants

Hazardous Release:
Substance ID.: 121996
Haz Release ID: 385543
Qty Released: unknown
Date Released: unknown

THROWAWAY BIT CORP. (Continued) **S103842084**

Update Date: 04/02/1991
Update By: Not reported
Substance Code: ECD228
Substance Name: PETROLEUM HYDROCARBONS
Substance Abbrev.: Not reported
Substance Category ID: 8534
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8534
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Comment ID: 302657
Release Code: Data Sources
Release Comments: Voluntary Preliminary Assessment prepared by PBS Environmental Building consultants
Decode for Relcomcd: Data Sources
Sampling Result ID: 346708
Feature Id: Not reported
Hazard Release Id: 385543
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 7,244 ppm
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Soil

Substance ID.: 121701
Haz Release ID: 385544
Qty Released: unknown
Date Released: unknown
Update Date: 04/02/1991
Update By: Not reported
Substance Code: 75-35-4
Substance Name: DICHLOROETHYLENE,1,1-
Substance Abbrev.: Not reported
Substance Category ID: 8512
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8553
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported

THROWAWAY BIT CORP. (Continued) **S103842084**

Created Date: 12/17/2002
Substance Category ID: 8512
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8553
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319364
Sub Alias Name: DICHLOROETHENE,1,1-
Substance Alias ID: 319365
Sub Alias Name: DICHLOROETHYLENE,asym-
Substance Alias ID: 319366
Sub Alias Name: ETHENE,1,1-DICHLORO-
Substance Alias ID: 319367
Sub Alias Name: VINYLIDENE CHLORIDE
Comment ID: 302655
Release Code: Data Sources
Release Comments: Voluntary Preliminary Assessment prepared by PBS Environmental Building consultants
Decode for Relcomcd: Data Sources
Sampling Result ID: 346709
Feature Id: Not reported
Hazard Release Id: 385544
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 670 ppb
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Soil

Substance ID.: 121694
Haz Release ID: 385545
Qty Released: unknown
Date Released: unknown
Update Date: 04/02/1991
Update By: Not reported
Substance Code: 75-09-2
Substance Name: METHYLENE CHLORIDE
Substance Abbrev.: Not reported
Substance Category ID: 8518
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002

THROWAWAY BIT CORP. (Continued) **S103842084**

Substance Category ID: 8518
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319341
Sub Alias Name: DICHLOROMETHANE
Substance Alias ID: 319342
Sub Alias Name: METHANE DICHLORIDE
Substance Alias ID: 319343
Sub Alias Name: METHYLENE BICHLORIDE
Substance Alias ID: 319344
Sub Alias Name: METHYLENE DICHLORIDE
Comment ID: 302654
Release Code: Data Sources
Release Comments: Voluntary Preliminary Assessment prepared by PBS Environmental Building consultants
Decode for Relcomcd: Data Sources
Sampling Result ID: 345050
Feature Id: Not reported
Hazard Release Id: 385545
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 150 ppb
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Soil

Substance ID.: 121552
Haz Release ID: 385546
Qty Released: unknown
Date Released: unknown
Update Date: 04/02/1991
Update By: Not reported
Substance Code: 630-20-6
Substance Name: TETRACHLOROETHANE,1,1,1,2-
Substance Abbrev.: Not reported
Substance Alias ID: 319031
Sub Alias Name: ETHANE,1,1,1,2-TETRACHLORO-
Comment ID: 302652
Release Code: Data Sources
Release Comments: Voluntary Preliminary Assessment prepared by PBS Environmental Building consultants
Decode for Relcomcd: Data Sources
Sampling Result ID: 346839
Feature Id: Not reported
Hazard Release Id: 385546
Medium: 703

THROWAWAY BIT CORP. (Continued) **S103842084**

Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 4.9 ppb
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Soil

Substance ID.: 121610
Haz Release ID: 385547
Qty Released: unknown
Date Released: unknown
Update Date: 04/02/1991
Update By: Not reported
Substance Code: 71-55-6
Substance Name: TRICHLOROETHANE,1,1,1-
Substance Abbrev.: Not reported
Substance Category ID: 8521
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8552
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8521
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8552
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318151
Sub Alias Name: TCA,1,1,1-
Substance Alias ID: 319183
Sub Alias Name: BALTANA
Substance Alias ID: 319184
Sub Alias Name: CHLOROTHENE
Substance Alias ID: 319185
Sub Alias Name: METHYLCHLOROFORM
Comment ID: 302653
Release Code: Data Sources
Release Comments: Voluntary Preliminary Assessment prepared by PBS Environmental Building consultants
Decode for Relcomcd: Data Sources

THROWAWAY BIT CORP. (Continued) **S103842084**

Sampling Result ID: 346686
Feature Id: Not reported
Hazard Release Id: 385547
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 7.1 ppb
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Soil

Substance ID.: 121781
Haz Release ID: 385548
Qty Released: unknown
Date Released: unknown
Update Date: 04/02/1991
Update By: Not reported
Substance Code: 79-01-6
Substance Name: TRICHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8523
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8545
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8523
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8545
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317517
Sub Alias Name: ETHINYL TRICHLORIDE
Substance Alias ID: 317518
Sub Alias Name: ETHYLENE TRICHLORIDE
Substance Alias ID: 317519
Sub Alias Name: TCE
Substance Alias ID: 317520
Sub Alias Name: TRI-CLENE
Substance Alias ID: 317521

THROWAWAY BIT CORP. (Continued) **S103842084**

Sub Alias Name: TRICHLOROETHENE
Comment ID: 302656
Release Code: Data Sources
Release Comments: Voluntary Preliminary Assessment prepared by PBS Environmental Building consultants
Decode for Relcomcd: Data Sources
Sampling Result ID: 346658
Feature Id: Not reported
Hazard Release Id: 385548
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 24 ppb
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Soil

Narrative:
NARR ID: 5731265
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Contamination
NARR Comments: Soils under the building and in the northeast corner of the parking lot were sampled, and analysis indicates the presence of hazardous substances.

NARR ID: 5731266
NARR Code: Data Sources
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Data Sources
NARR Comments: Voluntary Preliminary Assessment prepared by PBS Environmental

NARR ID: 5731267
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: petroleum hydrocarbons, 1,1-dichloroethene, methylene chloride, perchloroethene, 1,1,1-trichloroethane, trichloroethene

NARR ID: 5731268
NARR Code: Manner of Release

THROWAWAY BIT CORP. (Continued) **S103842084**

Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release
NARR Comments: Time of release: unknown

NARR ID: 5731269
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Remedial Action
NARR Comments: (7/8/92 MJM/VCS) Based on the previous work done at the facility and the data collected during the Phase IV site characterization sampling, DEQ has determined that, with the exception of shipping drummed waste generated during the cleaning of an interior trench and sump for disposal, no further action is required under ORS 465.200 (and it is DEQ's understanding that the waste will be shipped to a permitted disposal facility within 30 days).

NARR ID: 5731270
NARR Code: Substances of Concern
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Substances of Concern
NARR Comments: TCE, TCA, 1,1-DCA, PCE, petroleum hydrocarbons.

Administrative Action:
Action ID: 9503
Region: Headquarters
Complete Date: 02/05/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Remedial Investigation/Feasibility Study recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9474
Region: Northwestern Region
Complete Date: 07/07/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Delisting from Confirmed Release List recommended
Further Action: Not reported

THROWAWAY BIT CORP. (Continued) **S103842084**

Comments: Not reported

Action ID: 9475
Region: Northwestern Region
Complete Date: 07/07/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Delisting from Inventory recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9424
Region: Headquarters
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9425
Region: Headquarters
Complete Date: 10/11/1990
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Action ID: 9496
Region: Headquarters
Complete Date: 10/11/1990
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: State Basic Preliminary Assessment recommended (PA)
Further Action: Not reported
Comments: Not reported

THROWAWAY BIT CORP. (Continued) **S103842084**

Action ID: 9520
Region: Headquarters
Complete Date: 01/18/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: EXPANDED PRELIMINARY ASSESSMENT
Further Action: Not reported
Comments: Not reported

Action ID: 9465
Region: Headquarters
Complete Date: 06/27/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: Not reported
Comments: Not reported

Action ID: 9448
Region: Northwestern Region
Complete Date: 11/12/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Review for final listing
Further Action: Not reported
Comments: Not reported

Action ID: 9413
Region: Not reported
Complete Date: 09/30/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Remedial Action
Action Code Flag: False
Action: Closeout activities on completed project
Further Action: Not reported
Comments: Not reported

Action ID: 9511

THROWAWAY BIT CORP. (Continued) **S103842084**

Region: Northwestern Region
Complete Date: 07/10/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE INVESTIGATION
Further Action: Not reported
Comments: Not reported

Action ID: 9456
Region: Headquarters
Complete Date: 01/18/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: BASIC PRELIMINARY ASSESSEMENT
Further Action: Not reported
Comments: Not reported

Action ID: 9437
Region: Headquarters
Complete Date: 02/04/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: Not reported
Comments: Not reported

Action ID: 9498
Region: Headquarters
Complete Date: 02/04/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9499
Region: Headquarters

THROWAWAY BIT CORP. (Continued) **S103842084**

Complete Date: 02/04/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9488
Region: Northwestern Region
Complete Date: 11/12/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Listing on Confirmed Release List recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9489
Region: Northwestern Region
Complete Date: 11/12/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Listing on Inventory recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9438
Region: Headquarters
Complete Date: 11/20/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: Not reported
Comments: Not reported

Action ID: 9439
Region: Headquarters
Complete Date: 11/20/1991

THROWAWAY BIT CORP. (Continued) **S103842084**

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: Not reported
Comments: Not reported

Action ID: 9443
Region: Northwestern Region
Complete Date: 07/08/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: Not reported
Comments: Not reported

Action ID: 9442
Region: Northwestern Region
Complete Date: 11/01/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NEGOTIATIONS
Further Action: Not reported
Comments: Not reported

Action ID: 9417
Region: Headquarters
Complete Date: 07/11/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility delisted from Confirmed Release List
Further Action: Not reported
Comments: Not reported

Action ID: 9418
Region: Headquarters
Complete Date: 07/11/1992
Rank Value: 0

THROWAWAY BIT CORP. (Continued) **S103842084**

Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility delisted from Inventory List
Further Action: Not reported
Comments: Not reported

Action ID: 9467
Region: Headquarters
Complete Date: 06/27/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: Not reported
Comments: Not reported

Operations:
Operation Id: 132379
Operation Status: Active
Common Name: Throwaway Bit Corp.
Yrs of Operation: 30 years
Comments: Currently used as a warehouse; formerly a drill bit manufacturing facility.
Updated Date: 03/16/1995
Updated By: jxh
Decode for OpstatID: Active

VCS:
ECS Site ID: 1068
Facility Size: 0.23 acres
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 07/08/1992
End Date: 07/08/1992
Facility Status: Completed
Program: VCS
Latitude: 45.52479
Longitude: -122.6590

563
NNE
1/2-1
0.778 mi.
4106 ft.

KOPPY PROPERTY
1642 NE SANDY BLVD.
PORTLAND, OR 97232

OR ECSI **S111119963**
OR BROWNFIELDS **N/A**
OR MANIFEST

Relative:
Higher

Actual:
130 ft.

ECSI:
State ID Number: 5609
Brown ID: Brownfield Site - Assistance From Other Public Agencies
Study Area: False
Region ID: 2
Legislatve ID: 0

KOPPY PROPERTY (Continued) **S111119963**

Investigation:	Suspect
FACA ID:	119402
Further Action:	0
Lat/Long (dms):	45 31 27.80 / -122 38 55.30
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	N
Range Coord:	1.00
Range Zone:	E
Section Coord:	35
Qtr Section:	DB
Tax Lots:	3300
Size:	0.08 acres
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	12/21/2011
Created Date:	06/27/2011
Decode For RegionID:	Northwest Region
Decode For BrownID:	Brownfield Site - Assistance from Other Public Agencies
Decode For Furtheract:	Not reported
Decode For Investstat:	Suspect
Decode For Legislative:	Not reported

Narrative:

NARR ID:	5753485
NARR Code:	Contamination
Created By:	GWISTAR
Created Date:	08/10/2011
Updated By:	KDANA
Updated Date:	10/26/2011
Decode for NarcdID:	Contamination
NARR Comments:	(8/10/11 GMW/SAS) This is a LUST site (log #s 26-11-0584 and -0585) that DEQ closed administratively in June 2011 and referred to Cleanup. This is because of new funding from the OR Dept. of Business Development to investigate and clean up the site as a brownfields redevelopment project.(10/20/2011 KPD/VCS) A 375-gallon underground storage tank was decommissioned by removal from the site on June 13, 2011. Stoddard solvent was identified in soil around the tank. The property owner (Lawrence Koppy) signed up for DEQ oversight on June 27 but withdrew on October 19 after he sold the property.

NARR ID:	5753658
NARR Code:	Hazardous Substance/Waste Types
Created By:	KDANA
Created Date:	10/26/2011
Updated By:	KDANA
Updated Date:	10/26/2011
Decode for NarcdID:	Hazardous Substance/Waste Types
NARR Comments:	Stoddard solvent. Potential for other dry cleaning solvents.

NARR ID:	5753656
NARR Code:	Site Location
Created By:	KDANA
Created Date:	10/26/2011
Updated By:	KDANA

KOPPY PROPERTY (Continued) **S111119963**

Updated Date: 10/26/2011
Decode for NarcdID: Site Location
NARR Comments: The Koppy Property is located on the southwest corner of the intersection of NE Sandy Boulevard and NE 17th Avenue in Portland. NE Davis Street borders the site to the south.

NARR ID: 5753657
NARR Code: Manner of Release
Created By: KDANA
Created Date: 10/26/2011
Updated By: KDANA
Updated Date: 10/26/2011
Decode for NarcdID: Manner of Release
NARR Comments: Leaking underground storage tank

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 06/27/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/27/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 10/19/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/23/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Rescinded ITP before being assigned

Action ID: 9508
Region: Northwestern Region
Complete Date: 10/20/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/20/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: 0
Comments: Not reported

KOPPY PROPERTY (Continued) **S111119963**

OR BROWNFIELDS:
Geolocation Id: 119402
Status: Site Screening recommended (EV)
Lat/Long: 45.5244 / -122.648

OR MANIFEST:
Manifest Year: Manifest Year - 2011
EPA Id: ORQ000029694
Inactive Status: 2011-07-18 00:00:00
Organization Name: Not reported
Contact Name: Lawrence Koppy
Contact Telephone Number: Not reported
Mailing Address: 2658 NW Fawn Run Ln
Mailing City/State/Zip: Bend, OR 97701

Manifest:
Year : 2011
RCRA Id : ORQ000029694
Inactive : 2011-07-18 00:00:00
Status: Large quantity generator
Manifest : 004418835fle
Ship Date : 06/23/2011
TSD : NED981723513
WS Num: 1
Transporter: ORQ000023150
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H040
EPA Waste Codes: D001
Waste Description: Waste Flammable Liquids, N.O.S., (Stoddard Solvent)
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1457.0161375
Total Amt Of Waste Stream Generated in Reporting Yr 2: 416.290325

Year : 2011
RCRA Id : ORQ000029694
Inactive : 2011-07-18 00:00:00
Status: Large quantity generator
Manifest : 004418819fle
Ship Date : 06/13/2011
TSD : NED981723513
WS Num: 1
Transporter: ORQ000023150
Ship Qty : Not reported
Rpt Unit : Not reported
Off Mng : H040
EPA Waste Codes: D001
Waste Description: Waste Flammable Liquids, N.O.S., (Stoddard Solvent)
Total Amt Of Waste Stream Generated in Reporting Yr 1: 1457.0161375
Total Amt Of Waste Stream Generated in Reporting Yr 2: 1040.7258125000001

564
SW
1/2-1
0.808 mi.
4267 ft.

DOWNTOWN PORTLAND SEDIMENT AREAWIDE INVESTIGATION
WILLAMETTE RIVER, FROM ROSS ISLAND TO DOWNTOWN PORTLAND
PORTLAND, OR

OR ECSI **S110072091**
N/A

Relative:
Lower

Actual:
8 ft.

ECSI:

State ID Number:	4956
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	Suspect
FACA ID:	113294
Further Action:	0
Lat/Long (dms):	45 30 11.90 / -122 39 57.20
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	4
Qtr Section:	Not reported
Tax Lots:	Not reported
Size:	Not reported
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	10/21/2009
Created Date:	03/18/2008
Decode For RegionID:	Northwest Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	Suspect
Decode For Legislative:	Not reported

Narrative:

NARR ID:	5751775
NARR Code:	1922
Created By:	GWISTAR
Created Date:	10/21/2009
Updated By:	GWISTAR
Updated Date:	12/01/2014
Decode for NarcdID:	Current Site Summary Statement
NARR Comments:	For more information about this project, see DEQ's Willamette River Sediment Study web page (site links section, below).

Administrative Action:

Action ID:	9511
Region:	Northwestern Region
Complete Date:	12/05/2011
Rank Value:	Not reported
Cleanup Flag:	False
Created Date:	10/21/2009
Decode for AgencyID:	Department of Environmental Quality
Decode for RegionID:	Northwest Region
Category:	Remedial Action
Action Code Flag:	False

DOWNTOWN PORTLAND SEDIMENT AREAWIDE INVESTIGATION (Continued) **S110072091**

Action: SITE INVESTIGATION
Further Action: 0
Comments: Not reported

Action ID: 9479
Region: Northwestern Region
Complete Date: 12/05/2011
Rank Value: Not reported
Cleanup Flag: True
Created Date: 12/05/2011
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Further Investigation of Area Facilities recommended
Further Action: 0
Comments: Not reported

Action ID: 9424
Region: Not reported
Complete Date: 03/18/2008
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/18/2008
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

---

565 NNW 1/2-1 0.808 mi. 4268 ft.

PESTICIDE SPILL, I-5 & I-84
I-5 & I-84 INTERCHANGE
PORTLAND, OR 97232

OR ECSI FINDS ECHO **1006867437 N/A**

Relative: Lower

Actual: 39 ft.

ECSI:
State ID Number: 334
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: Suspect
FACA ID: 39939
Further Action: 0
Lat/Long (dms): 45 31 29.00 / -122 39 50.00
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: N
Range Coord: 1.00
Range Zone: E
Section Coord: 34
Qtr Section: DA
Tax Lots: Right-of-way

PESTICIDE SPILL, I-5 & I-84 (Continued) **1006867437**

Size: Not reported
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 08/23/2013
Created Date: 08/17/1988
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: Suspect
Decode For Legislative: Not reported
Alias Name: Your Town & Country Co-op

Hazardous Release:
Substance ID.: 120933
Haz Release ID: 385647
Qty Released: Not reported
Date Released: Unknown
Update Date: 08/17/1988
Update By: Not reported
Substance Code: 115-29-7
Substance Name: ENDOSULFAN
Substance Abbrev.: Not reported
Substance Alias ID: 316636
Sub Alias Name: MALIX
Substance Alias ID: 316637
Sub Alias Name: THIFOR
Substance Alias ID: 316638
Sub Alias Name: THIMUL
Substance Alias ID: 316639
Sub Alias Name: THIODAN

Narrative:
NARR ID: 5727214
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Contamination
NARR Comments: On 2/5/86, nine 50-lb bags of CAPTAN fell off a truck and spilled. DEQ responded and a cleanup was initiated. Possible de minimis screening.

NARR ID: 5727215
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: pesticides (fungicides) endosulfan

NARR ID: 5727216
NARR Code: Site Location
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported

PESTICIDE SPILL, I-5 & I-84 (Continued) **1006867437**

Updated Date: 12/17/2002
Decode for NarcdID: Site Location
NARR Comments: I-84 on ramp from I-5

NARR ID: 5727217
NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release
NARR Comments: Spill in February 1986.

NARR ID: 5727218
NARR Code: Site Ownership
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Site Ownership
NARR Comments: The federal government probably owns this property.

NARR ID: 5727219
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Remedial Action
NARR Comments: Responsible party cleanup or removal.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Not reported
Complete Date: 02/12/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: Not reported

PESTICIDE SPILL, I-5 & I-84 (Continued) **1006867437**

Comments: Not reported

Operations:

Operation Id: 131758
Operation Status: Unknown
Common Name: Your Town & Country Co-op
Yrs of Operation: Not reported
Comments: Transportation (freeway)
Updated Date: 09/13/1994
Updated By: CONV
Decode for OpstatID: Unknown

FINDS:

Registry ID: 110014303663

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

ECHO:

Envid:	1006867437
Registry ID:	110014303663
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.5247
Longitude:	-122.6638
Map Icon:	NONE-UNK-MN-N.png
Collection Method:	ADDRESS MATCHING-OTHER
Reference Point:	Not reported
Accuracy Meters:	183
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	170900120202
Derived STCT FPS:	41051
Derived Zip:	97232
Derived CD113:	03
Derived CB2010:	410510021001073
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0

PESTICIDE SPILL, I-5 & I-84 (Continued) **1006867437**

Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	Not reported
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	Not reported
Programs in SNC:	0
Curr Compliance Status:	Not reported
Curr SNC Flag:	N
3yr Compliance Status:	Not reported
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	Not reported
RCRA Permit Types:	Not reported
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported

PESTICIDE SPILL, I-5 & I-84 (Continued) **1006867437**

RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	Not reported
RCRA Curr Compliance Status:	Not reported
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	Not reported
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110014303663
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

566
North
1/2-1
0.824 mi.
4351 ft.

NEW SYSTEM LAUNDRY
432 NE 10TH AVE
PORTLAND, OR 97232

OR ECSI **1006865286**
FINDS **N/A**
OR HSIS
ECHO

Relative:
Higher

Actual:
116 ft.

ECSI:

State ID Number:	3793
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	831
Investigation:	Suspect
FACA ID:	48179
Further Action:	258
Lat/Long (dms):	45 31 34.30 / -122 39 18.00
County Code:	26.00

NEW SYSTEM LAUNDRY (Continued) **1006865286**

Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	N
Range Coord:	1.00
Range Zone:	E
Section Coord:	33
Qtr Section:	Not reported
Tax Lots:	700, 800
Size:	Not reported
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	11/24/2014
Created Date:	01/30/2003
Decode For RegionID:	Northwest Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Medium
Decode For Investstat:	Suspect
Decode For Legislative:	Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

Hazardous Release:

Substance ID.:	121011
Haz Release ID:	385839
Qty Released:	unknown
Date Released:	unknown
Update Date:	01/30/2003
Update By:	JWAGGY
Substance Code:	127-18-4
Substance Name:	TETRACHLOROETHYLENE
Substance Abbrev.:	Not reported
Substance Category ID:	8519
Substance Category:	Volatiles
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Category ID:	8551
Substance Category:	Solvents of interest to Milwaukie Area GW study
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Category ID:	8519
Substance Category:	Volatiles
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Category ID:	8551
Substance Category:	Solvents of interest to Milwaukie Area GW study
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Alias ID:	316912
Sub Alias Name:	ETHENE,TETRACHLORO-
Substance Alias ID:	316913
Sub Alias Name:	ETHYLENE TETRACHLORIDE
Substance Alias ID:	316914
Sub Alias Name:	PERCHLOROETHYLENE

NEW SYSTEM LAUNDRY (Continued) **1006865286**

Substance Alias ID: 316915
Sub Alias Name: PERCLENE
Substance Alias ID: 316916
Sub Alias Name: TETRACHLOROETHENE
Substance Alias ID: 316917
Sub Alias Name: TETRACHLOROETHENE,1,1,2,2-
Substance Alias ID: 316918
Sub Alias Name: TETRACHLOROETHYLENE,1,1,2,2-
Comment ID: 304751
Release Code: General Comments
Release Comments: Depth to groundwater greater than 65 feet below ground surface.
Decode for Relcomcd: General Comments
Comment ID: 304752
Release Code: Media Contamination Footnote
Release Comments: Soil
Decode for Relcomcd: Media Contamination Footnote
Comment ID: 304753
Release Code: Release Containment
Release Comments: Spills
Decode for Relcomcd: Release Containment
Comment ID: 304754
Release Code: Data Sources
Release Comments: Consultant reports
Decode for Relcomcd: Data Sources
Sampling Result ID: 347123
Feature Id: 0
Hazard Release Id: 385839
Medium: 703
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 16 feet
Start Date: 01/20/2003
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 4,630 mg/kg
Last Update By: JWAGGY
Update Date: 08/18/2003
Decode for MediumID: Soil

Narrative:
NARR ID: 5742963
NARR Code: Contamination
Created By: JWAGGY
Created Date: 01/30/2003
Updated By: JWAGGY
Updated Date: 01/30/2003
Decode for NarcdID: Contamination
NARR Comments: PCE detected in vadose soils up to 4,630 mg/kg.

NARR ID: 5742967
NARR Code: Data Sources
Created By: JWAGGY
Created Date: 01/30/2003
Updated By: JWAGGY

NEW SYSTEM LAUNDRY (Continued) **1006865286**

Updated Date: 01/30/2003
Decode for NarcdID: Data Sources
NARR Comments: PBS Consultants

NARR ID: 5742961
NARR Code: Hazardous Substance/Waste Types
Created By: JWAGGY
Created Date: 01/30/2003
Updated By: GWISTAR
Updated Date: 08/25/2003
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Perchloroethylene (PCE).

NARR ID: 5744025
NARR Code: Site Location
Created By: JWAGGY
Created Date: 08/18/2003
Updated By: JWAGGY
Updated Date: 08/18/2003
Decode for NarcdID: Site Location
NARR Comments: One block of NE Portland bounded by NE Flanders Street, NE Glisan Street, NE 10th Avenue and NE 11th Avenue.

NARR ID: 5742962
NARR Code: Manner of Release
Created By: JWAGGY
Created Date: 01/30/2003
Updated By: JWAGGY
Updated Date: 08/18/2003
Decode for NarcdID: Manner of Release
NARR Comments: Periodic spills of dry cleaning solvent migrated to underlying soils through cracks or joints in the concrete floor.

NARR ID: 5743501
NARR Code: Media Contamination
Created By: JWAGGY
Created Date: 05/08/2003
Updated By: JWAGGY
Updated Date: 05/08/2003
Decode for NarcdID: Media Contamination
NARR Comments: soil

NARR ID: 5742966
NARR Code: Remedial Action
Created By: JWAGGY
Created Date: 01/30/2003
Updated By: JWAGGY
Updated Date: 10/24/2003
Decode for NarcdID: Remedial Action
NARR Comments: (1/20/03 AC/ICP) A vapor-extraction system has been running for two years prior to DEQ involvement. Site has entered ICP for DEQ review. (5/7/03 AC/ICP) No Further Action (NFA) denied in April 2003. DEQ ICP requested work plan for additional investigation. (8/12/03 AC/SRP) Additional work completed and report submitted for review July 15, 2003. (10/3/03 AC/ICP) Final report reviewed August 2003. No Further Action (NFA) issued (for dry cleaning operations) October 6, 2003.

NEW SYSTEM LAUNDRY (Continued) **1006865286**

NARR ID: 5742965
NARR Code: Health Threats
Created By: JWAGGY
Created Date: 01/30/2003
Updated By: JWAGGY
Updated Date: 08/18/2003
Decode for NarcdID: Health Threats
NARR Comments: Volatilization to indoor air.

NARR ID: 5744026
NARR Code: Site History
Created By: JWAGGY
Created Date: 08/18/2003
Updated By: GWISTAR
Updated Date: 08/25/2003
Decode for NarcdID: Site History
NARR Comments: Petroleum-based solvents used from 1930-1942. Perchloroethylene was used from 1972-1988.

Administrative Action:
Action ID: 9506
Region: Northwestern Region
Complete Date: 10/08/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/24/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Investigation recommended (SI)
Further Action: Medium
Comments: UST investigation.

Action ID: 9424
Region: Not reported
Complete Date: 01/30/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/30/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9435
Region: Northwestern Region
Complete Date: 04/07/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 01/30/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False

NEW SYSTEM LAUNDRY (Continued) **1006865286**

Action: Independent Cleanup Program
Further Action: 0
Comments: NFA denied.

Action ID: 9479
Region: Northwestern Region
Complete Date: 04/07/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/08/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Further Investigation of Area Facilities recommended
Further Action: 0
Comments: Not reported

Action ID: 9511
Region: Northwestern Region
Complete Date: 10/06/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/24/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE INVESTIGATION
Further Action: 0
Comments: Not reported

Action ID: 9463
Region: Northwestern Region
Complete Date: 10/06/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/24/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Partial No Further Action
Further Action: 0
Comments: For dry cleaning operations, does not address underground storage tanks (USTs)

Operations:
Operation Id: 134668
Operation Status: Inactive
Common Name: New System Laundry
Yrs of Operation: 1930-1942; 1972-1988
Comments: Former dry cleaner
Updated Date: 08/18/2003
Updated By: JWAGGY
Decode for OpstatID: Inactive

NEW SYSTEM LAUNDRY (Continued) **1006865286**

FINDS:

Registry ID: 110014281758

Environmental Interest/Information System
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

HSIS:

Facility Id:	048248
Chemical Is Extremely Hazardous Substance (EHS):	Yes
Department Or Division Of Company:	Not reported
Facility Has Written Emergency Plan:	Yes
Contains 112R:	No
NAICS Code 1:	812331
NAICS Desc 1:	LINEN SUPPLY
NAICS Code 2:	000000
NAICS Desc 2:	Not reported
Manager Name:	D A RAWLINSON
Business Phone:	5032328181
Mailing Address:	432 NE 10TH AVE
Mailing City,St,Zip:	PORTLAND, OR 97232
No. of Employees:	105
Day Phone:	5032328181
Placard:	Yes
Fire Dept Code:	0291
Sprinkler System:	Yes
Emergency Contact:	M D RAWLINSON
Emergency Procedure:	OFFICE
Business Type:	LINEN SUPPLY LAUNDRY

Facility:

Facility Id:	048248
Physical State Of The Substance:	2
Physical State:	LIQUID
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	C
Description:	TANK INSIDE BUILDING
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365

NEW SYSTEM LAUNDRY (Continued) **1006865286**

Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	SODIUM HYDROXIDE
United Nations/north America 4 Digit Class Number:	1760
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Reactive Material
Second Hazardous Class Code For Chemical:	Corrosive Material
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.4
Hazard Class 2 Of The Chemical:	8.0
Hazard Class 3 Of The Chemical:	Not reported

Chemical:

United Nations/north America 4 Digit Class Number:	1760
Chemical Abstract Service Identifier Number:	1310732
Chemical Is Extremely Hazardous Substance (EHS):	No
First Hazardous Class Code For Chemical:	Reactive Material
Second Hazardous Class Code For Chemical:	Corrosive Material
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.4
Hazard Class 2 Of The Chemical:	8.0
Hazard Class 3 Of The Chemical:	Not reported
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Contains 112R:	No
Contains EHS:	No
Fertilizer:	No
Pesticide:	No
Contains 313:	No

Facility Id:	048248
Physical State Of The Substance:	2
Physical State:	LIQUID
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	C
Description:	TANK INSIDE BUILDING
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	1,000-4,999

NEW SYSTEM LAUNDRY (Continued) **1006865286**

Most Hazardous Ingridient:	ETHYLENE OXIDE-NONYLPHENOL POLYMER
United Nations/north America 4 Digit Class Number:	0000
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Combustible Material
Third Hazardous Class Code For Chemical:	Chronic Health Hazard
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	4.5
Hazard Class 3 Of The Chemical:	6.4

Chemical:

United Nations/north America 4 Digit Class Number:	0000
Chemical Abstract Service Identifier Number:	9016459
Chemical Is Extremely Hazardous Substance (EHS):	No
First Hazardous Class Code For Chemical:	Acute Health Hazard
Second Hazardous Class Code For Chemical:	Combustible Material
Third Hazardous Class Code For Chemical:	Chronic Health Hazard
Hazard Class 1 Of The Chemical:	6.3
Hazard Class 2 Of The Chemical:	4.5
Hazard Class 3 Of The Chemical:	6.4
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Contains 112R:	Yes
Contains EHS:	No
Fertilizer:	No
Pesticide:	No
Contains 313:	Yes

Facility Id:	048248
Physical State Of The Substance:	2
Physical State:	LIQUID
Average Amount Possessed During The Year Code:	04
Maximum Amount Possessed During The Year Code:	10
Applicable Unit Of Measure Code:	2
Description Of The Unit Of Measure:	GALLONS
Type Code:	E
Description:	PLASTIC OR NON-METALLIC DRUM
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	200-499
Description Of The Avg Qnty Code:	50-199
Most Hazardous Ingridient:	SULFURIC ACID
United Nations/north America 4 Digit Class Number:	1830
Hazard Rank:	2

NEW SYSTEM LAUNDRY (Continued) **1006865286**

EHS Ingredient:	SULFURIC ACID
Substance Pure:	False
Substance Mix:	True
First Hazardous Class Code For Chemical:	Reactive Material
Second Hazardous Class Code For Chemical:	Corrosive Material
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.4
Hazard Class 2 Of The Chemical:	8.0
Hazard Class 3 Of The Chemical:	Not reported

Chemical:

United Nations/north America 4 Digit Class Number:	1830
Chemical Abstract Service Identifier Number:	7664939
Chemical Is Extremely Hazardous Substance (EHS):	Yes
First Hazardous Class Code For Chemical:	Reactive Material
Second Hazardous Class Code For Chemical:	Corrosive Material
Third Hazardous Class Code For Chemical:	Not reported
Hazard Class 1 Of The Chemical:	4.4
Hazard Class 2 Of The Chemical:	8.0
Hazard Class 3 Of The Chemical:	Not reported
Chemical Is A Toxic 313 Chemical:	No
EPA Pesticide Registration Number:	Not reported
Contains 112R:	No
Contains EHS:	No
Fertilizer:	No
Pesticide:	No
Contains 313:	No

Facility Id:	048248
Physical State Of The Substance:	1
Physical State:	SOLID
Average Amount Possessed During The Year Code:	20
Maximum Amount Possessed During The Year Code:	20
Applicable Unit Of Measure Code:	1
Description Of The Unit Of Measure:	POUNDS
Type Code:	K
Description:	BOX
Type Code:	Not reported
Temperature Description:	Not reported
Pressure of Code:	1
Pressure Description:	NORMAL PRESSURE
Pressure of Code:	Not reported
Pressure Description:	Not reported
Temperature Description:	NORMAL TEMPERATURE
Temperature of The Hazardous Substance Code:	4
Temperature Description:	Not reported
Temperature of The Hazardous Substance Code:	Not reported
Days Hazardous Substance On Site During Year:	365
Is The Substance Protected A Trade Secret:	False
Description Of The Max Qnty Code:	1,000-4,999
Description Of The Avg Qnty Code:	1,000-4,999
Most Hazardous Ingridient:	SODIUM METASILICATE ANHYDROUS
United Nations/north America 4 Digit Class Number:	3262
Hazard Rank:	2
EHS Ingredient:	NONE LISTED ON MSDS
Substance Pure:	False
Substance Mix:	True

NEW SYSTEM LAUNDRY (Continued) **1006865286**

First Hazardous Class Code For Chemical: Corrosive Material
Second Hazardous Class Code For Chemical: Not reported
Third Hazardous Class Code For Chemical: Not reported
Hazard Class 1 Of The Chemical: 8.0
Hazard Class 2 Of The Chemical: Not reported
Hazard Class 3 Of The Chemical: Not reported

Chemical:
United Nations/north America 4 Digit Class Number: 3262
Chemical Abstract Service Identifier Number: 6834920
Chemical Is Extremely Hazardous Substance (EHS): No
First Hazardous Class Code For Chemical: Corrosive Material
Second Hazardous Class Code For Chemical: Not reported
Third Hazardous Class Code For Chemical: Not reported
Hazard Class 1 Of The Chemical: 8.0
Hazard Class 2 Of The Chemical: Not reported
Hazard Class 3 Of The Chemical: Not reported
Chemical Is A Toxic 313 Chemical: No
EPA Pesticide Registration Number: Not reported
Contains 112R: No
Contains EHS: No
Fertilizer: No
Pesticide: No
Contains 313: No

ECHO:
Envid: 1006865286
Registry ID: 110014281758
FIPS Code: 41051
EPA Region: 10
Indian Country Flag: N
Federal Flag: Not reported
US Mexico Border Flag: Not reported
Chesapeake Bay Flag: Not reported
NAA Flag: Not reported
Latitude: 45.52603
Longitude: -122.6554
Map Icon: NONE-UNK-MN-N.png
Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy Meters: 30
Derived Tribes: Not reported
Derived Huc: 17090012
Derived WBD: Not reported
Derived STCT FPS: 41051
Derived Zip: 97232
Derived CD113: 03
Derived CB2010: 410510021001020
Percent Minority: Not reported
Pop Den: Not reported
Major Flag: Not reported
Active Flag: Not reported
MYRTK Universe: NNN
Inspection Count: 0
Date Last Inspection: Not reported

NEW SYSTEM LAUNDRY (Continued) **1006865286**

Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	Not reported
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	Not reported
Programs in SNC:	0
Curr Compliance Status:	Not reported
Curr SNC Flag:	N
3yr Compliance Status:	Not reported
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	Not reported
RCRA Permit Types:	Not reported

NEW SYSTEM LAUNDRY (Continued) **1006865286**

RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	Not reported
RCRA Curr Compliance Status:	Not reported
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	Not reported
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110014281758
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

567
WSW
1/2-1
0.831 mi.
4390 ft.

Relative:
Higher

Actual:
56 ft.

SOUTH WATERFRONT PARK
FOOT OF SW MONTGOMERY ST.
PORTLAND, OR 97201

OR ECSI **S107421157**
OR CRL **N/A**
OR ENG CONTROLS
OR INST CONTROL
OR VCP
OR BROWNFIELDS

ECSI:

State ID Number:	4422
Brown ID:	Brownfield Site - Assistance From Other Public Agencies
Study Area:	False
Region ID:	2
Legislatve ID:	831
Investigation:	Listed on the CRL/Inventory
FACA ID:	90499

SOUTH WATERFRONT PARK (Continued) **S107421157**

Further Action: 0
Lat/Long (dms): 45 30 32.00 / -122 40 21.70
County Code: 26.00
Score Value: Not reported
Cerclis ID: 981769474
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 3
Qtr Section: Not reported
Tax Lots: 102
Size: Not reported
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 04/26/2012
Created Date: 05/25/2005
Decode For RegionID: Northwest Region
Decode For BrownID: Brownfield Site - Assistance from Other Public Agencies
Decode For Furtheract: Not reported
Decode For Investstat: Listed on the CRL/Inventory
Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

Alias Name: Pacific Power & Light-SW Lincoln St.
Alias Name: Lincoln Steam Plant
Alias Name: Portland Development Commission (PDC)
Alias Name: Pacificorp
Alias Name: PP&L
Alias Name: South Waterfront Redevelopment Area, Parcel 3A/3B

Narrative:
NARR ID: 5747367
NARR Code: General Site Description
Created By: TROICK
Created Date: 10/19/2005
Updated By: JWAGGY
Updated Date: 02/09/2007
Decode for NarcdID: General Site Description
NARR Comments: (10/19/05 TER/VCP) The project file for ECSI #602, the original South Waterfront Redevelopment Area, contains background information, actions, and narratives but has been divided into six sites in ECSI based on changes in tax lot boundaries, differences in development, ownership, and long-term management requirements. Those sites are:#4420 South Waterfront at RiverPlace, Parcel 2 Areas B&C - Stanford's restaurant, RiverPlace Square apartments, retail space and associated parking structure, Tax Lots 500, 600, and 1200.#4421 South Waterfront at RiverPlace, Parcel 2 Area A - SW River Drive and SW River Parkway roadways and associated storm drain system (no tax lot).#4422 South Waterfront Park - borders the Willamette River, originally part of Area D, Parcel 3A and 3B, Tax Lot 102. #4423 South Waterfront Parcel 3B - developed as the ***PGT building,*** and now occupied by other tenants; Tax Lot 300.#4424 South Waterfront RiverPlace Lot 8 - at the NE corner of the intersection of SW River Drive and SW River Parkway, formerly a part of Area D, Parcel 3B; Tax Lot 200.#4757 South Waterfront Redevelopment Area, Parcel 1 - the former Lincoln Steam Plant, orginally titled Area D, Parcel 3A. It is now The Strand condominium towers, Tax Lot 101.Also see ECSI #2232

SOUTH WATERFRONT PARK (Continued) **S107421157**

InnVentures, (Lot 5) and ECSI #2492, South Waterfront Lot 3, for adjacent site information.In 1988, the Portland Development Commission (PDC) entered into a Voluntary Agreement with DEQ to conduct a Remedial Investigation and Feasibility Study (RI/FS) at the ***South Waterfront Redevelopment Area*** site. For purposes of the investigation, the property was divided into Parcels 2 and 3. Parcel 3A was the site of the former Lincoln Steam Plant. In October 1989, after completion of the first phase of the investigation, DEQ approved a PDC proposal that would allow roads and structures constructed on Parcel 2 to function as a protective cap. Parcel 2 Areas B&C were developed and purchased by Trammel Crow Residential in 1994. DEQ issued a No Further Action for Parcel 3B in 1994, a portion of which was developed as the ***PGT building.*** The RI/FS for Parcel 3A was completed in 1998. South Waterfront Park resulted from improvements for extension of a greenway along the waterfront. Parcel 3A (now Parcel 1) will be developed as condominium towers. PDC will address asbestos on the undeveloped portion of Parcel 3B (Lot 8) for future redevelopment.

NARR ID: 5746801
NARR Code: Remedial Action
Created By: TROICK
Created Date: 07/07/2005
Updated By: TROICK
Updated Date: 04/18/2007
Decode for NarcdID: Remedial Action
NARR Comments: (7/7/05 TER/VCP) South Waterfront Park was remediated separately from other parcels of the South Waterfront Redevelopment Area (ECSI #602). A May 2000 Closure Report for remedy implemenation was approved by DEQ. The remedy includes capping areas where PAH contamination in soil exceeds acceptable risk levels, stabilizing the Willamette River bank, and an easement restricting groundwater use. The City of Portland retains the park parcel and will conduct long-term inspections and monitoring of the cap and river bank. (4/18/07 TER/VCP) An Easement & Equitable Servitude effective November 21, 2006 was recorded with Multnomah County for the property (see controls). DEQ issued a Conditional No Further Action determination on April 3, 2007. Annual inspections in September will be reported to DEQ by October 1 of each year.

NARR ID: 5753661
NARR Code: Institutional Control
Created By: RWELLS
Created Date: 10/27/2011
Updated By: RWELLS
Updated Date: 11/08/2011
Decode for NarcdID: Institutional Control
NARR Comments: In 2011, DEQ approved of decreasing the frequency for cap inspections following the review of five years of consecutive inspections showing no notable concerns. A cap inspection must be conducted and an inspection report submitted to DEQ for review once every thre years. The next cap inspection report must be submitted by October 1, 2013.

NARR ID: 5754971
NARR Code: 1922
Created By: DHAFLEY
Created Date: 12/30/2013

SOUTH WATERFRONT PARK (Continued) **S107421157**

Updated By: DHAFLEY
Updated Date: 12/30/2013
Decode for NarcdID: Current Site Summary Statement
NARR Comments: In 2005, reorganization of DEQ's ECSI file system for the former Lincoln Steam Plant occurred. Parcel R487357 was re-designated as ECSI# 4422.

Site Control:
Site Control #: 461
Control Number: 3
Begin Date: 11/21/2006
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: TER
Last Reviewed Date: Not reported
Last Update By: TROICK
Last Updated Date: 04/17/2007
Site Comment: The E&ES requirements include: 1) engineering control maintenance, 2) notification of cap disturbance, 3) annual inspections and maintenance reporting to DEQ by October 1 of each year, 4) groundwater use restrictions, 5) conditions on use of the property to be consistent with the E&ES requirements, 6) notice of ownership transfer, 7) notice of zoning changes, and 8) cost recovery for DEQ review and oversight of the E&ES provisions.

Site Control #: 462
Control Number: 36
Begin Date: 05/01/2002
End Date: Not reported
Frequency Of Review: 36
Last Reviewed By: R. Wells-Albers
Last Reviewed Date: 10/01/2010
Last Update By: GWISTAR
Last Updated Date: 04/26/2012
Site Comment: Caps for Area of Concern 1 and Area of Concern 2. Bank Stabilization. Annual reviews and reports to be submitted to DEQ by October 1 of each year.[2011 update] DEQ approved a decrease in cap-inspection frequency in October 2011. Cap inspections must now be conducted once every three years. The next cap inspection report must be submitted by October 1, 2013.

Administrative Action:
Action ID: 9444
Region: 0
Complete Date: 12/01/1992
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/26/2012
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: No Further Remedial Action Planned under Federal program
Further Action: 0
Comments: Not reported

Action ID: 9424
Region: Not reported

SOUTH WATERFRONT PARK (Continued) **S107421157**

Complete Date: 05/25/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/25/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9469
Region: Northwestern Region
Complete Date: 04/03/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/20/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL ACTION
Further Action: 0
Comments: Not reported

Action ID: 9421
Region: 0
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: Site added to CERCLIS
Further Action: 0
Comments: Not reported

Action ID: 9498
Region: 0
Complete Date: 08/01/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: 0
Comments: Not reported

Action ID: 9425
Region: Northwestern Region
Complete Date: 10/13/1990

SOUTH WATERFRONT PARK (Continued) **S107421157**

Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: 0
Comments: Not reported

Action ID: 9456
Region: Headquarters
Complete Date: 12/19/1988
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: BASIC PRELIMINARY ASSESSEMENT
Further Action: 0
Comments: Not reported

Action ID: 9499
Region: 0
Complete Date: 08/01/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: 0
Comments: Not reported

Action ID: 9480
Region: Headquarters
Complete Date: 10/13/1988
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Federal Preliminary Assessment recommended
Further Action: 0
Comments: Not reported

Action ID: 9412
Region: Headquarters
Complete Date: 12/15/1988
Rank Value: Not reported

SOUTH WATERFRONT PARK (Continued) **S107421157**

Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Consent Order
Further Action: 0
Comments: Not reported

Action ID: 9484
Region: Northwestern Region
Complete Date: 03/01/1994
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: 0
Comments: Not reported

Action ID: 9437
Region: 0
Complete Date: 08/01/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: 0
Comments: Not reported

Action ID: 9465
Region: 0
Complete Date: 08/31/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9467
Region: 0
Complete Date: 08/31/1990
Rank Value: Not reported
Cleanup Flag: False

SOUTH WATERFRONT PARK (Continued) **S107421157**

Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: 0
Comments: Not reported

Action ID: 9438
Region: 0
Complete Date: 04/29/1991
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9439
Region: 0
Complete Date: 04/21/1991
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: 0
Comments: Not reported

Action ID: 9512
Region: 0
Complete Date: 12/01/1992
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: EPA Screening Site Inspection 1
Further Action: 0
Comments: Not reported

Action ID: 9411
Region: Northwestern Region
Complete Date: 04/03/2007
Rank Value: Not reported
Cleanup Flag: True
Created Date: 04/17/2007

SOUTH WATERFRONT PARK (Continued) **S107421157**

Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: No Further Action (Conditional)
Further Action: 0
Comments: Conditions are compliance with the provisions of an Easement & Equitable Servitude (see controls).

Action ID: 9450
Region: Northwestern Region
Complete Date: 04/03/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/17/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: OPERATION and MAINTENANCE
Further Action: 0
Comments: Cap and bank stabilization maintenance.

Action ID: 9466
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/18/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Periodic Review
Further Action: 0
Comments: Annual inspections in September of each year with report submittal to DEQ by October 1.

Action ID: 9450
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: OPERATION and MAINTENANCE
Further Action: 0
Comments: Cap and bank stabilization maintenance.

CRL:
Facility ID: 4422
Location ID: 90499
Status Code: LIS
Facility Status: No Further Action (Conditional)

SOUTH WATERFRONT PARK (Continued) **S107421157**

Lat/Long: 45.5089 / -122.6727

OR ENG CONTROL:
Site Control Sequence #: 462
Site Id: 4422
Control Sequence #: 36
Begin Date: 05/01/2002
End Date: Not reported
Frequency Of Review: 36
Last Reviewed By: R. Wells-Albers
Last Review Date: 10/01/2010
Last Updated By: GWISTAR
Last Updated Date: 04/26/2012
Group Sequence #: 9
Control Code: CPE
Control Description: Cap, engineered
FK Type Code: 2
Group Code: SB
Group Description: Surface Barriers
Type Code: E
Type Description: Engineering
Comments: Caps for Area of Concern 1 and Area of Concern 2. Bank Stabilization. Annual reviews and reports to be submitted to DEQ by October 1 of each year.[2011 update] DEQ approved a decrease in cap-inspection frequency in October 2011. Cap inspections must now be conducted once every three years. The next cap inspection report must be submitted by October 1, 2013.

OR INSTUTIONAL CONTROL:
Site Control Sequence #: 461
Site Id: 4422
Control Sequence #: 3
Begin Date: 11/21/2006
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: TER
Last Review Date: Not reported
Last Updated By: TROICK
Last Updated Date: 04/17/2007
Group Sequence #: 2
Control Code: EES
Control Description: Easement Equitable Servitude
FK Type Code: 1
Group Code: PR
Group Description: Proprietary
Type Code: I
Type Description: Institutional
Comments: The E&ES requirements include: 1) engineering control maintenance, 2) notification of cap disturbance, 3) annual inspections and maintenance reporting to DEQ by October 1 of each year, 4) groundwater use restrictions, 5) conditions on use of the property to be consistent with the E&ES requirements, 6) notice of ownership transfer, 7) notice of zoning changes, and 8) cost recovery for DEQ review and oversight of the E&ES provisions.

SOUTH WATERFRONT PARK (Continued) **S107421157**

VCS:
ECS Site ID: 4422
Facility Size: Not reported
Action: No Further Action (Conditional)
Start Date: 03/01/2007
End Date: 04/03/2007
Facility Status: Completed
Program: VCP
Latitude: 45.50889
Longitude: -122.6727

OR BROWNFIELDS:
Geolocation Id: 90499
Status: No Further Action (Conditional)
Lat/Long: 45.5089 / -122.672

EA568 **SOUTH WATERFRONT REDEVELOPMENT** **OR ECSI** **1006854954**
WSW **SW RIVER DR** **OR CRL** **N/A**
1/2-1 **PORTLAND, OR 97201** **OR ENG CONTROLS**
0.854 mi. **OR INST CONTROL**
4507 ft. **Site 1 of 2 in cluster EA** **OR VCP**
OR BROWNFIELDS
Relative: **FINDS**
Lower **ECHO**

Actual: **37 ft.**

ECSI:
State ID Number: 4757
Brown ID: Brownfield Site - Assistance From Other Public Agencies
Study Area: False
Region ID: 2
Legislatve ID: 831
Investigation: Listed on the CRL/Inventory
FACA ID: 101528
Further Action: 0
Lat/Long (dms): 45 30 29.50 / -122 40 22.10
County Code: 26.00
Score Value: Not reported
Cerclis ID: 981769474
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 3
Qtr Section: Not reported
Tax Lots: 101
Size: Not reported
NPL: False
Orphan: False
Updated By: MGREENB
Update Date: 08/23/2007
Created Date: 02/09/2007
Decode For RegionID: Northwest Region
Decode For BrownID: Brownfield Site - Assistance from Other Public Agencies
Decode For Furtheract: Not reported
Decode For Investstat: Listed on the CRL/Inventory
Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

Alias Name: Pacific Power & Light-SW Lincoln St.
Alias Name: Portland Development Commission (PDC)
Alias Name: PP&L
Alias Name: Pacificorp
Alias Name: The Strand
Alias Name: Lincoln Steam Plant
Alias Name: RiverPlace Parcel 1

Narrative:

NARR ID: 5748993
NARR Code: Contamination
Created By: JWAGGY
Created Date: 02/09/2007
Updated By: JWAGGY
Updated Date: 02/09/2007
Decode for NarcdID: Contamination
NARR Comments: Oil contamination from oil transport activities has been documented. Fill activities over the 24-acre site have occurred over many years. The fill is assumed to be the source of lead and other contaminants. Release from underground (concrete) tanks may have occurred.

NARR ID: 5748994
NARR Code: General Site Description
Created By: JWAGGY
Created Date: 02/09/2007
Updated By: JWAGGY
Updated Date: 02/09/2007
Decode for NarcdID: General Site Description
NARR Comments: (10/19/05 TER/VCP) The project file for ECSI #602, the original South Waterfront Redevelopment Area, contains background information, actions, and narratives but has been divided into six sites in ECSI based on changes in tax lot boundaries, differences in development, ownership, and long-term management requirements. Those sites are:#4420 South Waterfront at RiverPlace, Parcel 2 Areas B&C - Stanford's restaurant, RiverPlace Square apartments, retail space and associated parking structure, Tax Lots 500, 600, and 1200.#4421 South Waterfront at RiverPlace, Parcel 2 Area A - SW River Drive and SW River Parkway roadways and associated storm drain system (no tax lot).#4422 South Waterfront Park - borders the Willamette River, originally part of Area D, Parcel 3A and 3B, Tax Lot 102. #4423 South Waterfront Parcel 3B - developed as the ***PGT building,*** and now occupied by other tenants; Tax Lot 300.#4424 South Waterfront RiverPlace Lot 8 - at the NE corner of the intersection of SW River Drive and SW River Parkway, formerly a part of Area D, Parcel 3B; Tax Lot 200.#4757 South Waterfront Redevelopment Area, Parcel 1 - the former Lincoln Steam Plant, orginally titled Area D, Parcel 3A. It is now The Strand condominium towers, Tax Lot 101.Also see ECSI #2232 InnVentures, (Lot 5) and ECSI #2492, South Waterfront Lot 3, for adjacent site information.In 1988, the Portland Development Commission (PDC) entered into a Voluntary Agreement with DEQ to conduct a Remedial Investigation and Feasibility Study (RI/FS) at the ***South Waterfront Redevelopment Area*** site. For purposes of the investigation, the property was divided into Parcels 2 and 3. Parcel 3A was the site of the former Lincoln Steam Plant. In October 1989, after completion of the first phase of the investigation, DEQ approved a PDC proposal that would allow roads and structures constructed on Parcel 2 to function as a protective cap. Parcel 2 Areas B&C were developed and purchased by Trammel Crow Residential in

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

1994. DEQ issued a No Further Action for Parcel 3B in 1994, a portion of which was developed as the ***PGT building.*** The RI/FS for Parcel 3A was completed in 1998. South Waterfront Park resulted from improvements for extension of a greenway along the waterfront. Parcel 3A (now Parcel 1) will be developed as condominium towers. PDC will address asbestos on the undeveloped portion of Parcel 3B (Lot 8) for future redevelopment.

NARR ID: 5748995
NARR Code: Hazardous Substance/Waste Types
Created By: JWAGGY
Created Date: 02/09/2007
Updated By: JWAGGY
Updated Date: 02/09/2007
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Petroleum hydrocarbons (particularly PAHs), lead, arsenic, asbestos, and PCBs

NARR ID: 5748996
NARR Code: Manner of Release
Created By: JWAGGY
Created Date: 02/09/2007
Updated By: JWAGGY
Updated Date: 02/09/2007
Decode for NarcdID: Manner of Release
NARR Comments: Past practices associated with operation of the steam plant caused releases of petroleum products. Transfer of fuel from barges and railcars to storage tanks was the primary cause of the releases to on-site soils. Fill material, deposited to modify the site terrain since the early 1900s, may be the source of slightly elevated levels of lead and arsenic. Asbestos was a component of building construction materials. PCBs were present as a result of the transformer station formerly located at the site.

NARR ID: 5748997
NARR Code: Pathways Other Hazards
Created By: JWAGGY
Created Date: 02/09/2007
Updated By: JWAGGY
Updated Date: 02/09/2007
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: PAHs and TPH have been detected in groundwater at the site. The groundwater is not currently used for drinking water. There is a potential for migration of contaminants from the groundwater to the Willamette River. On-site soil contamination may pose a direct-contact threat to humans and a threat to groundwater.

NARR ID: 5748998
NARR Code: Remedial Action
Created By: JWAGGY
Created Date: 02/09/2007
Updated By: TROICK
Updated Date: 04/18/2007
Decode for NarcdID: Remedial Action
NARR Comments: (7/7/05 TER/VCP) RiverPlace Partners has purchased the former Steam Plant parcel (3A, now called Parcel 1) and is redeveloping with subgrade parking. DEQ is providing oversight of the construction

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

including removal of old timber piles beneath the steam plant, installation of new piles for building footings, concrete cap installation, and groundwater monitoring. (4/18/07 TER/VCP) Remedial action completed with development and August 31, 2006 Final Closure Report approved by DEQ. Easement & Equitable Servitude recorded with Multnomah County in May 2007. DEQ issued a Conditional No Further Action determination for the site on April 3, 2007. Annual cap inspections and reporting are required by October 1 of each year.

Site Control:
Site Control #: 463
Control Number: 36
Begin Date: 08/31/2006
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: TER
Last Reviewed Date: Not reported
Last Update By: TROICK
Last Updated Date: 04/18/2007
Site Comment: Cap over petroleum contaminated soils and Area of Concern #1 and Area of Concern #2. Methane sensors tied to the parking structure ventilation system. See Final Closure Report RiverPlace Parcel 1, August 31, 2006 prepared by URS.

Site Control #: 464
Control Number: 3
Begin Date: 02/12/2007
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: TER
Last Reviewed Date: Not reported
Last Update By: TROICK
Last Updated Date: 04/18/2007
Site Comment: The E&ES requirements include: 1) engineering control maintenance, 2) notification of cap disturbance, 3) annual inspection and maintenance reporting to DEQ by October 1 of each year, 4) groundwater use restrictions, 5) completion of groundwater monitoring, 6) conditions on use of the property to be consistent with the E&ES, 7) notice of transfer or change in use, 8) notice of zoning changes, and 9) cost recovery for DEQ oversight of E&ES provisions.

Administrative Action:
Action ID: 9412
Region: Headquarters
Complete Date: 12/15/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Consent Order
Further Action: Not reported
Comments: Not reported

Action ID: 9421
Region: Not reported

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: Site added to CERCLIS
Further Action: Not reported
Comments: Not reported

Action ID: 9422
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Engineering Control
Further Action: Not reported
Comments: Parcel 2 roads and structures operate as a protective cap

Action ID: 9424
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9425
Region: Headquarters
Complete Date: 10/13/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Action ID: 9429
Region: Northwestern Region
Complete Date: 06/30/1997

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: FEASIBILITY STUDY
Further Action: Not reported
Comments: Not reported

Action ID: 9434
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Institutional Control
Further Action: Not reported
Comments: Deed restriction for Parcel 2

Action ID: 9437
Region: Not reported
Complete Date: 08/01/1990
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: Not reported
Comments: Not reported

Action ID: 9438
Region: Not reported
Complete Date: 04/29/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: Not reported
Comments: Not reported

Action ID: 9439
Region: Not reported
Complete Date: 04/29/1991
Rank Value: 0

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: Not reported
Comments: Not reported

Action ID: 9444
Region: 0
Complete Date: 12/01/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: No Further Remedial Action Planned under Federal program
Further Action: 0
Comments: Not reported

Action ID: 9445
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Responsible party notified re 11/88 Inventory listing
Further Action: Not reported
Comments: Not reported

Action ID: 9448
Region: Not reported
Complete Date: 02/25/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Review for final listing
Further Action: Not reported
Comments: Not reported

Action ID: 9456
Region: Headquarters
Complete Date: 12/19/1988
Rank Value: 0
Cleanup Flag: False

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: BASIC PRELIMINARY ASSESSEMENT
Further Action: Not reported
Comments: Federal.

Action ID: 9465
Region: Not reported
Complete Date: 08/31/1990
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: Not reported
Comments: Not reported

Action ID: 9466
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Periodic Review
Further Action: 0
Comments: Annual engineering control inspections in September of each year to be reported to DEQ by October 1.

Action ID: 9467
Region: Not reported
Complete Date: 08/31/1990
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: Not reported
Comments: Not reported

Action ID: 9469
Region: Northwestern Region
Complete Date: 04/03/2007
Rank Value: 0
Cleanup Flag: False

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL ACTION
Further Action: 0
Comments: Not reported

Action ID: 9480
Region: Headquarters
Complete Date: 10/13/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Federal Preliminary Assessment recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9484
Region: Northwestern Region
Complete Date: 03/01/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: Not reported
Comments: Not reported

Action ID: 9486
Region: Northwestern Region
Complete Date: 07/31/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: RISK ASSESSMENT
Further Action: Not reported
Comments: Baseline Human Health

Action ID: 9488
Region: Not reported
Complete Date: 02/25/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Listing on Confirmed Release List recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9489
Region: Not reported
Complete Date: 02/25/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Listing on Inventory recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9491
Region: Headquarters
Complete Date: 06/30/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: REMOVAL
Further Action: Not reported
Comments: Steam plant demolition; outlet pipe capping

Action ID: 9491
Region: Northwestern Region
Complete Date: 08/31/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMOVAL
Further Action: Not reported
Comments: Demolition and filling of steam plant basement tank

Action ID: 9494
Region: Northwestern Region
Complete Date: 07/13/1998
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: RECORD OF DECISION
Further Action: Not reported
Comments: Not reported

Action ID: 9498
Region: Not reported
Complete Date: 08/01/1990
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9499
Region: Not reported
Complete Date: 08/01/1990
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9512
Region: 0
Complete Date: 12/01/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: EPA Screening Site Inspection 1
Further Action: 0
Comments: Not reported

Action ID: 9411
Region: Northwestern Region
Complete Date: 04/03/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/18/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

Category: Remedial Action
Action Code Flag: False
Action: No Further Action (Conditional)
Further Action: 0
Comments: Conditions are compliance with Easement & Equitable Servitude provisions (see controls)

Action ID: 9450
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/18/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: OPERATION and MAINTENANCE
Further Action: 0
Comments: Cap maintenance and methane sensors.

CRL:
Facility ID: 4757
Location ID: 101528
Status Code: LIS
Facility Status: No Further Action (Conditional)
Lat/Long: 45.5082 / -122.6728

OR ENG CONTROL:
Site Control Sequence #: 463
Site Id: 4757
Control Sequence #: 36
Begin Date: 08/31/2006
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: TER
Last Review Date: Not reported
Last Updated By: TROICK
Last Updated Date: 04/18/2007
Group Sequence #: 9
Control Code: CPE
Control Description: Cap, engineered
FK Type Code: 2
Group Code: SB
Group Description: Surface Barriers
Type Code: E
Type Description: Engineering
Comments: Cap over petroleum contaminated soils and Area of Concern #1 and Area of Concern #2. Methane sensors tied to the parking structure ventilation system. See Final Closure Report RiverPlace Parcel 1, August 31, 2006 prepared by URS.

OR INSTUTIONAL CONTROL:
Site Control Sequence #: 464
Site Id: 4757
Control Sequence #: 3

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

Begin Date:	02/12/2007
End Date:	Not reported
Frequency Of Review:	12
Last Reviewed By:	TER
Last Review Date:	Not reported
Last Updated By:	TROICK
Last Updated Date:	04/18/2007
Group Sequence #:	2
Control Code:	EES
Control Description:	Easement Equitable Servitude
FK Type Code:	1
Group Code:	PR
Group Description:	Proprietary
Type Code:	I
Type Description:	Institutional
Comments:	The E&ES requirements include: 1) engineering control maintenance, 2) notification of cap disturbance, 3) annual inspection and maintenance reporting to DEQ by October 1 of each year, 4) groundwater use restrictions, 5) completion of groundwater monitoring, 6) conditions on use of the property to be consistent with the E&ES, 7) notice of transfer or change in use, 8) notice of zoning changes, and 9) cost recovery for DEQ oversight of E&ES provisions.

VCS:

ECS Site ID:	4757
Facility Size:	Not reported
Action:	No Further Action (Conditional)
Start Date:	03/01/2007
End Date:	04/03/2007
Facility Status:	Completed
Program:	VCP
Latitude:	45.50820
Longitude:	-122.6728

OR BROWNFIELDS:

Geolocation Id:	101528
Status:	No Further Action (Conditional)
Lat/Long:	45.5082 / -122.672

FINDS:

Registry ID: 110014172563

Environmental Interest/Information System

OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

ECHO:

Envid:	1006854954
Registry ID:	110014172563

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.50785
Longitude:	-122.67393
Map Icon:	NONE-UNK-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters:	50
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	170900120202
Derived STCT FPS:	41051
Derived Zip:	97201
Derived CD113:	03
Derived CB2010:	410510057003018
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	Not reported
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	Not reported
Programs in SNC:	0
Curr Compliance Status:	Not reported
Curr SNC Flag:	N
3yr Compliance Status:	Not reported
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	Not reported
RCRA Permit Types:	Not reported
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	Not reported
RCRA Curr Compliance Status:	Not reported
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	Not reported
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported

SOUTH WATERFRONT REDEVELOPMENT (Continued) **1006854954**

DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110014172563
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

569
ENE
1/2-1
0.863 mi.
4558 ft.

WASHWORLD FACILITY (FORMER) **OR ECSI** **S106386341**
2721-2731 SE BELMONT ST. **OR VCP** **N/A**
PORTLAND, OR 97214 **OR DRYCLEANERS**

Relative:
Higher

Actual:
131 ft.

ECSI:

State ID Number:	5731
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	Suspect
FACA ID:	124252
Further Action:	0
Lat/Long (dms):	45 30 59.80 / -122 38 15.40
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	1
Qtr Section:	BB
Tax Lots:	6900
Size:	0.25 acre
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	06/20/2012
Created Date:	06/18/2012
Decode For RegionID:	Northwest Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	Suspect
Decode For Legislative:	Not reported

Hazardous Release:

Substance ID.:	121011
Haz Release ID:	388161
Qty Released:	unknown
Date Released:	unknown
Update Date:	10/22/2013
Update By:	KDANA

WASHWORLD FACILITY (FORMER) (Continued) **S106386341**

Substance Code:	127-18-4
Substance Name:	TETRACHLOROETHYLENE
Substance Abbrev.:	Not reported
Substance Category ID:	8519
Substance Category:	Volatiles
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Category ID:	8551
Substance Category:	Solvents of interest to Milwaukie Area GW study
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Category ID:	8519
Substance Category:	Volatiles
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Category ID:	8551
Substance Category:	Solvents of interest to Milwaukie Area GW study
Category Level:	Not reported
Created By:	Not reported
Created Date:	12/17/2002
Substance Alias ID:	316912
Sub Alias Name:	ETHENE,TETRACHLORO-
Substance Alias ID:	316913
Sub Alias Name:	ETHYLENE TETRACHLORIDE
Substance Alias ID:	316914
Sub Alias Name:	PERCHLOROETHYLENE
Substance Alias ID:	316915
Sub Alias Name:	PERCLENE
Substance Alias ID:	316916
Sub Alias Name:	TETRACHLOROETHENE
Substance Alias ID:	316917
Sub Alias Name:	TETRACHLOROETHENE,1,1,2,2-
Substance Alias ID:	316918
Sub Alias Name:	TETRACHLOROETHYLENE,1,1,2,2-
Comment ID:	305566
Release Code:	General Comments
Release Comments:	Also known as perchloroethylene (PCE or perc)
Decode for Relcomcd:	General Comments
Comment ID:	305630
Release Code:	Media Contamination Footnote
Release Comments:	Air = ambient air. Other = soil gas.
Decode for Relcomcd:	Media Contamination Footnote
Comment ID:	305636
Release Code:	Data Sources
Release Comments:	February 2015 Phase II ESA & Cleanup Report by Wohlers
Decode for Relcomcd:	Data Sources
Sampling Result ID:	350698
Feature Id:	0
Hazard Release Id:	388161
Medium:	698
Substance Abbrev.:	0
Unit Code:	8
Observation:	False
Owner Operator:	False

WASHWORLD FACILITY (FORMER) (Continued) **S106386341**

Lab Data:	True
Sample Depth:	23 ft bgs
Start Date:	11/20/2012
End Date:	11/20/2012
Min Concentration:	Not reported
Max Concentration:	4000.00
Sample Comment:	up to 4,000 ppb
Last Update By:	KDANA
Update Date:	09/28/2015
Decode for MediumID:	Groundwater
Sampling Result ID:	350699
Feature Id:	0
Hazard Release Id:	388161
Medium:	700
Substance Abbrev.:	0
Unit Code:	95
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	5 ft bgs
Start Date:	12/26/2012
End Date:	12/26/2012
Min Concentration:	Not reported
Max Concentration:	10000000.00
Sample Comment:	up to 10,000,000 ug/m3
Last Update By:	KDANA
Update Date:	09/28/2015
Decode for MediumID:	Other
Sampling Result ID:	350707
Feature Id:	0
Hazard Release Id:	388161
Medium:	697
Substance Abbrev.:	0
Unit Code:	95
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	Not reported
Start Date:	02/06/2013
End Date:	02/06/2013
Min Concentration:	Not reported
Max Concentration:	120.00
Sample Comment:	up to 120 ug/m3
Last Update By:	KDANA
Update Date:	09/28/2015
Decode for MediumID:	Air
Sampling Result ID:	350764
Feature Id:	0
Hazard Release Id:	388161
Medium:	703
Substance Abbrev.:	0
Unit Code:	7
Observation:	False
Owner Operator:	False
Lab Data:	True
Sample Depth:	1-3 ft bgs
Start Date:	02/02/2005

WASHWORLD FACILITY (FORMER) (Continued) **S106386341**

End Date: 02/02/2005
Min Concentration: Not reported
Max Concentration: 12.40
Sample Comment: up to 12.4 ppm
Last Update By: KDANA
Update Date: 09/24/2015
Decode for MediumID: Soil

Narrative:

NARR ID: 5755180
NARR Code: Contamination
Created By: KDANA
Created Date: 06/19/2014
Updated By: KDANA
Updated Date: 09/30/2015
Decode for NarcdID: Contamination
NARR Comments: (09/30/2015 KPD/ICP) Soil sampling in February 2005 found low levels of PCE, a dry cleaning solvent. Additional sampling found PCE in soil gas (January 2010) and groundwater (May 2010). A total of 21 soil samples, six groundwater samples, and eight soil gas samples were collected at the site in November 2012, followed by six soil samples and four ambient air samples in February 2013. PCE was prevalent in the air and groundwater samples but not in the soil samples.

NARR ID: 5755192
NARR Code: Data Sources
Created By: KDANA
Created Date: 07/01/2014
Updated By: KDANA
Updated Date: 11/19/2015
Decode for NarcdID: Data Sources
NARR Comments: 1) EIS ***Phase II Environmental Site Assessment*** [February 22, 2005].2) EIS ***Phase II Environmental Site Assessment*** [February 5, 2010].3) EIS ***Phase II Soil & Groundwater Environmental Site Assessment*** [June 7, 2010].4) EIS ***Confirmation Indoor Air Sampling*** [April 14, 2011].5) Wohlers ***Project Workplan for VE System Installation*** [October 4, 2013].6) Wohlers ***Request for Oregon DEQ 'Contained-In' Determination*** [June 24, 2014].7) Wohlers ***Phase II Environmental Site Assessment & Cleanup Report*** [February 25, 2015].8) GeoDesign ***Soil Vapor Evaluation Memo*** [August 6, 2015].

NARR ID: 5755190
NARR Code: Hazardous Substance/Waste Types
Created By: KDANA
Created Date: 07/01/2014
Updated By: KDANA
Updated Date: 07/01/2014
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Perchloroethylene

NARR ID: 5754886
NARR Code: Site Location
Created By: KDANA
Created Date: 10/22/2013
Updated By: KDANA
Updated Date: 09/24/2015
Decode for NarcdID: Site Location

WASHWORLD FACILITY (FORMER) (Continued) **S106386341**

NARR Comments: The site is located on the northwest corner of the intersection of SE 28th Avenue and SE Belmont Street in Portland.

NARR ID: 5755815
NARR Code: Media Contamination
Created By: KDANA
Created Date: 09/24/2015
Updated By: KDANA
Updated Date: 09/28/2015
Decode for NarcdID: Media Contamination
NARR Comments: Soil gas, ambient air, and groundwater

NARR ID: 5755193
NARR Code: Site Ownership
Created By: KDANA
Created Date: 07/01/2014
Updated By: KDANA
Updated Date: 07/01/2014
Decode for NarcdID: Site Ownership
NARR Comments: The property is currently owned by Alquip Company.

NARR ID: 5755817
NARR Code: Pathways Other Hazards
Created By: KDANA
Created Date: 09/28/2015
Updated By: KDANA
Updated Date: 09/30/2015
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Soils at the site are a mix of silty sands, sandy silts, and clayey silts to at least 29 feet below ground surface. Groundwater is approximately 15-19 feet bgs and based on topography is believed to flow west toward the Willamette River (1.5 miles away).

NARR ID: 5755191
NARR Code: Remedial Action
Created By: KDANA
Created Date: 07/01/2014
Updated By: KDANA
Updated Date: 09/30/2015
Decode for NarcdID: Remedial Action
NARR Comments: (09/30/2015 KPD/ICP) A sub-slab vapor extraction system was installed beneath the onsite building in June 2014. Three east-west trenches approximately 55 feet long, 18 inches wide and 33 inches deep were dug beneath the building, connected by two north-south trenches. Slotted PVC pipes were placed in the trenches and surrounded by coarse sand. A fan pulls air from the pipes through a canister of activated carbon. Approximately 65 cubic yards of soil and 10 cubic yards of concrete were excavated from the site. A total of 18 soil samples and three concrete samples were collected and analyzed for contamination, finding only 0.370 ppm PCE. DEQ agreed that the soil and concrete could be disposed of as a non-hazardous waste in a permitted solid waste landfill.The SVE system began operating in October 2014. A series of pre- and post-treatment air samples were collected over the next three months. Pre-treatment concentrations of PCE dropped from 78,000 ug/m3 in October 2014 to 6,000 ug/m3 in January 2015. Post-treatment concentrations of PCE started at 19 ug/m3 and dropped to 7.6 ug/m3 over the same time period. The SVE

WASHWORLD FACILITY (FORMER) (Continued) **S106386341**

system continues to operate.

NARR ID: 5755818
NARR Code: Health Threats
Created By: KDANA
Created Date: 09/28/2015
Updated By: KDANA
Updated Date: 09/30/2015
Decode for NarcdID: Health Threats
NARR Comments: Concentrations of PCE in soil gas and ambient air at the site exceeded DEQ's risk-based standards for residential and occupational exposures. The contamination is being treated with a soil vapor extraction system.

NARR ID: 5755814
NARR Code: Site History
Created By: KDANA
Created Date: 09/24/2015
Updated By: KDANA
Updated Date: 09/30/2015
Decode for NarcdID: Site History
NARR Comments: A single-family residence was shown on the north half of the site in a 1909 Sanborn map. A construction company office apparently operated out of the residence between 1935 and 1965. The current on-site building was constructed in 1968. Washworld is believed to have operated in the eastern half of the building as a retail laundrymat and dry cleaners from 1968 to 1999, as a dry store from 1999 to 2005, and again as a dry cleaners from 2005 to 2009. Small grocery stores reportedly operated in the western half of the building from at least 1970 through the 1980s. The building has been vacant since 2009.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 06/18/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/18/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 08/08/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/18/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0

WASHWORLD FACILITY (FORMER) (Continued) **S106386341**

Comments: Not reported

Action ID: 9435
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/22/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Independent Cleanup Program
Further Action: 0
Comments: Not reported

Action ID: 9491
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/30/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMOVAL
Further Action: 0
Comments: Operation of a Soil Vapor Extraction System

Action ID: 9459
Region: Northwestern Region
Complete Date: 02/25/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/30/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: 0
Comments: Phase II ESA & Cleanup Report

Operations:
Operation Id: 135942
Operation Status: Inactive
Common Name: Washworld
Yrs of Operation: 1968 to 2009
Comments: Dry cleaners
Updated Date: 09/24/2015
Updated By: KDANA
Decode for OpstatID: Inactive
Operations SIC Id: 199373
SIC Code: 7216
Created By: KDANA
Created Date: 09/24/2015

WASHWORLD FACILITY (FORMER) (Continued) **S106386341**

VCS:
ECS Site ID: 5731
Facility Size: 0.25 acre
Action: Independent Cleanup Program
Start Date: 08/08/2012
End Date: Not reported
Facility Status: Active
Program: ICP
Latitude: 45.51659
Longitude: -122.6376

DRYCLEANERS:
Dry Cleaner ID: 451
Current Status: Closed
Last Update: Not reported
DEQID: Not reported
Latitude: 45.5167498
Longitude: -122.63743
Decode for Fstatus: Closed

---

570 WSW 1/2-1 0.881 mi. 4654 ft. **SOUTH WATERFRONT LOT 9**
SW RIVER PARKWAY
PORTLAND, OR 97201

OR ECSI **S107421191**
OR CRL **N/A**
OR INST CONTROL
OR VCP

Relative: Lower

Actual: 28 ft.

ECSI:
State ID Number: 4423
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 831
Investigation: Listed on the CRL/Inventory
FACA ID: 90500
Further Action: 0
Lat/Long (dms): 45 30 25.60 / -122 40 21.70
County Code: 26.00
Score Value: Not reported
Cerclis ID: 981769474
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 3
Qtr Section: Not reported
Tax Lots: 300
Size: Not reported
NPL: False
Orphan: False
Updated By: MGREENB
Update Date: 08/23/2007
Created Date: 05/25/2005
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: Listed on the CRL/Inventory
Decode For Legislative: Owner, operator or other party under agreement, order or consent

SOUTH WATERFRONT LOT 9 (Continued) **S107421191**

decree under ORS 465.200 or 465.420

Alias Name: Pacific Power & Light-SW Lincoln St.
Alias Name: Lincoln Steam Plant
Alias Name: Portland Development Commission (PDC)
Alias Name: Pacificorp
Alias Name: PP&L

Narrative:
NARR ID: 5747368
NARR Code: General Site Description
Created By: TROICK
Created Date: 10/19/2005
Updated By: MGREENB
Updated Date: 01/14/2010
Decode for NarcdID: General Site Description
NARR Comments: (10/19/05 TER/VCP) The project file for ECSI #602, the original South Waterfront Redevelopment Area, contains background information, actions, and narratives but has been divided into six sites in ECSI based on changes in tax lot boundaries, differences in development, ownership, and long-term management requirements. Those sites are:#4420 South Waterfront at RiverPlace, Parcel 2 Areas B&C - Stanford's restaurant, RiverPlace Square apartments, retail space and associated parking structure, Tax Lots 500, 600, and 1200.#4421 South Waterfront at RiverPlace, Parcel 2 Area A - SW River Drive and SW River Parkway roadways and associated storm drain system (no tax lot).#4422 South Waterfront Park - borders the Willamette River, originally part of Area D, Parcel 3A and 3B, Tax Lot 102. #4423 South Waterfront Parcel 3B - developed as the ***David Evans building*** or ***PGT building,*** and now occupied by other tenants; Tax Lot 300.#4424 South Waterfront RiverPlace Lot 8 - at the NE corner of the intersection of SW River Drive and SW River Parkway, formerly a part of Area D, Parcel 3B; Tax Lot 200.#4757 South Waterfront Redevelopment Area, Parcel 1 - the former Lincoln Steam Plant, orginally titled Area D, Parcel 3A. It is now The Strand condominium towers, Tax Lot 101.Also see ECSI #2232 InnVentures, (Lot 5) and ECSI #2492, South Waterfront Lot 3, for adjacent site information.In 1988, the Portland Development Commission (PDC) entered into a Voluntary Agreement with DEQ to conduct a Remedial Investigation and Feasibility Study (RI/FS) at the ***South Waterfront Redevelopment Area*** site. For purposes of the investigation, the property was divided into Parcels 2 and 3. Parcel 3A was the site of the former Lincoln Steam Plant. In October 1989, after completion of the first phase of the investigation, DEQ approved a PDC proposal that would allow roads and structures constructed on Parcel 2 to function as a protective cap. Parcel 2 Areas B&C were developed and purchased by Trammel Crow Residential in 1994. DEQ issued a No Further Action for Parcel 3B in 1994, a portion of which was developed as the ***PGT building.*** The RI/FS for Parcel 3A was completed in 1998. South Waterfront Park resulted from improvements for extension of a greenway along the waterfront. Parcel 3A (now Parcel 1) will be developed as condominium towers. PDC will address asbestos on the undeveloped portion of Parcel 3B (Lot 8) for future redevelopment.

NARR ID: 5755851
NARR Code: Project Issues Summary
Created By: MPUGH
Created Date: 10/20/2015
Updated By: MPUGH

SOUTH WATERFRONT LOT 9 (Continued) **S107421191**

Updated Date: 10/20/2015
Decode for NarcdID: Project Issues Summary
NARR Comments: 10/20/15The property owner has requested that DEQ complete adminstrative closure for this project, to include recording and easement and equitable servitudes (EES) to document the presence of a cap over asbestos containing building materials, and also to restrict GW use. DEQ intends to issue an updated conditional NFA determination. Not reported

NARR ID: 5754914
NARR Code: Project Activity Status
Created By: RWELLS
Created Date: 11/20/2013
Updated By: MPUGH
Updated Date: 12/07/2015
Decode for NarcdID: Project Activity Status
NARR Comments: EES has been recorded, fulfilling cleanup obligations under the previous agreements and orders. Conditinal NFA issued 12/7/2015

NARR ID: 5747381
NARR Code: Remedial Action
Created By: GWISTAR
Created Date: 10/24/2005
Updated By: MPUGH
Updated Date: 12/07/2015
Decode for NarcdID: Remedial Action
NARR Comments: In 1994, DEQ issued a No Further Action for this site, Parcel 3B, a portion of which was developed as the David Evans building*** or ***PGT building.*** 10/20/15The property owner has requested that DEQ complete adminstrative closure for this project, to include recording and easement and equitable servitudes (EES) to document the presence of a cap over asbestoc containing building materias, and also to restrict GW use. DEQ intends to issue an updated conditional NFA determination.12/7/2015CNFA issued

Site Control:
Site Control #: 411
Control Number: 1
Begin Date: 12/31/1997
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: TER
Last Reviewed Date: 12/12/1997
Last Update By: TROICK
Last Updated Date: 10/20/2005
Site Comment: Notification of the presence of buried asbestos containing material. If disturbed the material must be managed in accordance with DEQ Air Quality program rules.

Site Control #: 990
Control Number: 3
Begin Date: 11/12/2015
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: pugh
Last Reviewed Date: Not reported
Last Update By: MPUGH
Last Updated Date: 12/07/2015

SOUTH WATERFRONT LOT 9 (Continued) **S107421191**

Site Comment: Not reported

Administrative Action:

Action ID: 9444
Region: 0
Complete Date: 12/01/1992
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/17/2013
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: No Further Remedial Action Planned under Federal program
Further Action: 0
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 09/09/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/23/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Not reported

Action ID: 9435
Region: Northwestern Region
Complete Date: 12/07/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/21/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Independent Cleanup Program
Further Action: 0
Comments: Not reported

Action ID: 9411
Region: Northwestern Region
Complete Date: 12/07/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/07/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: No Further Action (Conditional)
Further Action: 0
Comments: Not reported

SOUTH WATERFRONT LOT 9 (Continued) **S107421191**

Action ID: 9424
Region: Not reported
Complete Date: 05/25/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/25/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9411
Region: Northwestern Region
Complete Date: 01/11/1994
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/20/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: No Further Action (Conditional)
Further Action: 0
Comments: Deed Notice for asbestos.

Action ID: 9512
Region: 0
Complete Date: 12/03/1992
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: EPA Screening Site Inspection 1
Further Action: 0
Comments: Not reported

Action ID: 9421
Region: 0
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: Site added to CERCLIS
Further Action: 0
Comments: Not reported

Action ID: 9425

SOUTH WATERFRONT LOT 9 (Continued) **S107421191**

Region: Headquarters
Complete Date: 10/13/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: 0
Comments: Not reported

Action ID: 9498
Region: 0
Complete Date: 08/01/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: 0
Comments: Not reported

Action ID: 9456
Region: Headquarters
Complete Date: 12/19/1988
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: BASIC PRELIMINARY ASSESSEMENT
Further Action: 0
Comments: Federal.

Action ID: 9480
Region: Headquarters
Complete Date: 10/13/1988
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Federal Preliminary Assessment recommended
Further Action: 0
Comments: Not reported

Action ID: 9412
Region: Headquarters

SOUTH WATERFRONT LOT 9 (Continued) **S107421191**

Complete Date: 12/15/1988
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Consent Order
Further Action: 0
Comments: Not reported

Action ID: 9484
Region: Northwestern Region
Complete Date: 03/01/1994
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: 0
Comments: Not reported

Action ID: 9437
Region: 0
Complete Date: 08/01/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: 0
Comments: Not reported

Action ID: 9499
Region: 0
Complete Date: 08/01/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: 0
Comments: Not reported

Action ID: 9465
Region: 0
Complete Date: 08/31/1990

SOUTH WATERFRONT LOT 9 (Continued) **S107421191**

Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9467
Region: 0
Complete Date: 08/31/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: 0
Comments: Not reported

Action ID: 9438
Region: 0
Complete Date: 04/29/1991
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9439
Region: 0
Complete Date: 04/29/1991
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: 0
Comments: Not reported

Action ID: 9448
Region: 0
Complete Date: 02/25/1991
Rank Value: Not reported

SOUTH WATERFRONT LOT 9 (Continued) **S107421191**

Cleanup Flag: False
Created Date: 02/12/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Review for final listing
Further Action: 0
Comments: Not reported

Action ID: 9413
Region: Northwestern Region
Complete Date: 12/06/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Closeout activities on completed project
Further Action: 0
Comments: Needs completed Easement and Equitable Servitude.

CRL:
Facility ID: 4423
Location ID: 90500
Status Code: LIS
Facility Status: Independent Cleanup Program
Lat/Long: 45.5071 / -122.6727

OR INSTUTIONAL CONTROL:
Site Control Sequence #: 411
Site Id: 4423
Control Sequence #: 1
Begin Date: 12/31/1997
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: TER
Last Review Date: 12/12/1997
Last Updated By: TROICK
Last Updated Date: 10/20/2005
Group Sequence #: 1
Control Code: DN
Control Description: Deed Notice
FK Type Code: 1
Group Code: ID
Group Description: Informational Devices
Type Code: I
Type Description: Institutional
Comments: Notification of the presence of buried asbestos containing material. If disturbed the material must be managed in accordance with DEQ Air Quality program rules.

Site Control Sequence #: 990
Site Id: 4423

SOUTH WATERFRONT LOT 9 (Continued) **S107421191**

Control Sequence #:	3
Begin Date:	11/12/2015
End Date:	Not reported
Frequency Of Review:	0
Last Reviewed By:	pugh
Last Review Date:	Not reported
Last Updated By:	MPUGH
Last Updated Date:	12/07/2015
Group Sequence #:	2
Control Code:	EES
Control Description:	Easement Equitable Servitude
FK Type Code:	1
Group Code:	PR
Group Description:	Proprietary
Type Code:	I
Type Description:	Institutional
Comments:	Not reported

VCS:

ECS Site ID:	4423
Facility Size:	Not reported
Action:	No Further Action (Conditional)
Start Date:	12/07/2015
End Date:	12/07/2015
Facility Status:	Completed
Program:	vcs
Latitude:	45.50710
Longitude:	-122.6727

EA571 **SOUTH WATERFRONT REDEVELOPMENT AREA** **OR ECSI** **S109051756**
WSW **SW RIVER DR.** **OR CRL** **N/A**
1/2-1 **PORTLAND, OR 97201** **OR ENG CONTROLS**
0.890 mi. **OR INST CONTROL**
4697 ft. **Site 2 of 2 in cluster EA** **OR VCP**
OR BROWNFIELDS

Relative:
Lower

Actual:
30 ft.

ECSI:

State ID Number:	602
Brown ID:	Brownfield Site - Assistance From Other Public Agencies
Study Area:	True
Region ID:	2
Legislatve ID:	831
Investigation:	Listed on the CRL/Inventory
FACA ID:	39987
Further Action:	0
Lat/Long (dms):	45 30 28.00 / -122 40 24.00
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	981769474
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	3
Qtr Section:	Not reported
Tax Lots:	Not reported
Size:	Not reported

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 07/14/2014
Created Date: 10/21/1988
Decode For RegionID: Northwest Region
Decode For BrownID: Brownfield Site - Assistance from Other Public Agencies
Decode For Furtheract: Not reported
Decode For Investstat: Listed on the CRL/Inventory
Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420
Alias Name: Pacific Power & Light-SW Lincoln St.
Alias Name: Portland Development Commission (PDC)
Alias Name: Lincoln Steam Plant
Alias Name: Strand Condominium Towers

Hazardous Release:
Substance ID.: 121989
Haz Release ID: 383156
Qty Released: unknown
Date Released: unknown
Update Date: 03/02/1989
Update By: Not reported
Substance Code: ECD200
Substance Name: OIL OR FUEL RELATED COMPOUNDS
Substance Abbrev.: Not reported
Substance Category ID: 8532
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8532
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Sampling Result ID: 345440
Feature Id: Not reported
Hazard Release Id: 383156
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 03/01/1989
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 11,300 ppm
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Soil

Substance ID.: 121639
Haz Release ID: 383157
Qty Released: unknown

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Date Released: unknown
Update Date: 03/02/1989
Update By: Not reported
Substance Code: 7439-92-1
Substance Name: LEAD
Substance Abbrev.: Not reported
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319256
Sub Alias Name: PB
Sampling Result ID: 345441
Feature Id: Not reported
Hazard Release Id: 383157
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 13,600 ppm
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Soil
Sampling Result ID: 345442
Feature Id: Not reported
Hazard Release Id: 383157
Medium: 698
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 03/01/1989
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 0.02 ppm
Last Update By: CONV
Update Date: 09/13/1994
Decode for MediumID: Groundwater

Narrative:
NARR ID: 5729390
NARR Code: Contamination

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Created By: Not reported
Created Date: 12/17/2002
Updated By: GWISTAR
Updated Date: 06/27/2003
Decode for NarcdID: Contamination
NARR Comments: Oil contamination from oil transport activities has been documented. Fill activities over the 24-acre site have occurred over many years. The fill is assumed to be the source of lead and other contaminants. Release from underground (concrete) tanks may have occurred.

NARR ID: 5747364
NARR Code: General Site Description
Created By: TROICK
Created Date: 10/19/2005
Updated By: JWAGGY
Updated Date: 02/09/2007
Decode for NarcdID: General Site Description
NARR Comments: (10/19/05 TER/VCP) The project file for ECSI #602, the original South Waterfront Redevelopment Area, contains background information, actions, and narratives but has been divided into six sites in ECSI based on changes in tax lot boundaries, differences in development, ownership, and long-term management requirements. Those sites are:#4420 South Waterfront at RiverPlace, Parcel 2 Areas B&C - Stanford's restaurant, RiverPlace Square apartments, retail space and associated parking structure, Tax Lots 500, 600, and 1200.#4421 South Waterfront at RiverPlace, Parcel 2 Area A - SW River Drive and SW River Parkway roadways and associated storm drain system (no tax lot).#4422 South Waterfront Park - borders the Willamette River, originally part of Area D, Parcel 3A and 3B, Tax Lot 102. #4423 South Waterfront Parcel 3B - developed as the ***PGT building,*** and now occupied by other tenants; Tax Lot 300.#4424 South Waterfront RiverPlace Lot 8 - at the NE corner of the intersection of SW River Drive and SW River Parkway, formerly a part of Area D, Parcel 3B; Tax Lot 200.#4757 South Waterfront Redevelopment Area, Parcel 1 - the former Lincoln Steam Plant, orginally titled Area D, Parcel 3A. It is now The Strand condominium towers, Tax Lot 101.Also see ECSI #2232 InnVentures, (Lot 5) and ECSI #2492, South Waterfront Lot 3, for adjacent site information.In 1988, the Portland Development Commission (PDC) entered into a Voluntary Agreement with DEQ to conduct a Remedial Investigation and Feasibility Study (RI/FS) at the ***South Waterfront Redevelopment Area*** site. For purposes of the investigation, the property was divided into Parcels 2 and 3. Parcel 3A was the site of the former Lincoln Steam Plant. In October 1989, after completion of the first phase of the investigation, DEQ approved a PDC proposal that would allow roads and structures constructed on Parcel 2 to function as a protective cap. Parcel 2 Areas B&C were developed and purchased by Trammel Crow Residential in 1994. DEQ issued a No Further Action for Parcel 3B in 1994, a portion of which was developed as the ***PGT building.*** The RI/FS for Parcel 3A was completed in 1998. South Waterfront Park resulted from improvements for extension of a greenway along the waterfront. Parcel 3A (now Parcel 1) will be developed as condominium towers. PDC will address asbestos on the undeveloped portion of Parcel 3B (Lot 8) for future redevelopment.

NARR ID: 5729391
NARR Code: Hazardous Substance/Waste Types

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Petroleum hydrocarbons (particularly PAHs), lead, arsenic, asbestos, and PCBs

NARR ID: 5746807
NARR Code: Project Issues Summary
Created By: TROICK
Created Date: 07/11/2005
Updated By: TROICK
Updated Date: 08/24/2005
Decode for NarcdID: Project Issues Summary
NARR Comments: The South Waterfront Redevelopment Area (SWR) is located on the west bank of the Willamette River north of the Marquam Bridge in Portland. The site has a history of multiple industrial uses dating back to the late 1800s. As early as 1900, the site was used for the disposal of industrial fill, and from 1917 to 1985, a portion of the site was occupied by the PP&L Lincoln Steam Plant. In 1988, Portland Development Commission (PDC) entered into a Voluntary Agreement with DEQ to conduct a Remedial Investigation and Feasibility Study (RI/FS) at the site, to determine the significance of on-site contamination so that cleanup could occur as necessary to facilitate development of the property. For purposes of the investigation, the property was divided into two parcels (Parcels 2 and 3). The primary contaminants of concern are metals in soil on Parcel 2 and petroleum hydrocarbons and polynuclear aromatic hydrocarbons in soil and groundwater on Parcel 3, the site of the former Lincoln Steam Plant.In October 1989, after completion of the first phase of the investigation, DEQ approved a PDC proposal that would allow roads and structures constructed on Parcel 2 to function as a protective cap. The cap isolates contamination to prevent exposure. Property use restrictions and maintenance requirements were attached to the deed. Parcel 2 was purchased by TCR in 1994. By 1995, all proposed development on Parcel 2 was completed.The RI/FS for Parcel 3 was completed in 1998. The Record of Decision for approval of the selected remedial action was finalized in August 1998. Capping areas of concern, stabilization of the riverbank, and additional groundwater monitoring were selected as the remedy. Park improvements for extension of a greenway along the waterfront have been constructed to address a portion of the remedy. The Parcel 3A (now Parcel 1) has begun development. Soil in areas of concern will be removed or capped for a subsurfce parking strucutre. Monitoring wells will be sampled following site development to confirm that migration of petroleum to the Willamette River is not a future concern. Restrictions on groundwater use will be imposed to prevent exacerbation of the extent of groundwater contamination.STATUSIn winter 2004/2005 mass excavation was completed for the Parcel 1 subsurface parking structure. Old steam plant timber piles were removed and new grouted piles installed for 3 condominium towers. Concrete is being poured for the parking/building foundation, and groundwater monitoring is ongoing.

NARR ID: 5729392
NARR Code: Site Location
Created By: Not reported

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Site Location
NARR Comments: Bounded by SW Montgomery, Marquam Bridge, Southern Pacific Right of Way, and Willamette River.

NARR ID: 5729393
NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release
NARR Comments: Past practices associated with operation of the steam plant caused releases of petroleum products. Transfer of fuel from barges and railcars to storage tanks was the primary cause of the releases to on-site soils. Fill material, deposited to modify the site terrain since the early 1900s, may be the source of slightly elevated levels of lead and arsenic. Asbestos was a component of building construction materials. PCBs were present as a result of the transformer station formerly located at the site.

NARR ID: 5729394
NARR Code: Pathways Other Hazards
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: PAHs and TPH have been detected in groundwater at the site. The groundwater is not currently used for drinking water. There is a potential for migration of contaminants from the groundwater to the Willamette River. On-site soil contamination may pose a direct-contact threat to humans and a threat to groundwater.

NARR ID: 5729395
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: TROICK
Updated Date: 07/07/2005
Decode for NarcdID: Remedial Action
NARR Comments: Site divided into 2 parcels for purposes of investigation in 1988 (Parcels 2 and 3). Capping is an appropriate remedy for the western portion of the site (Parcel 2), where metals were detected in soils only. DEQ approved capping and institutional controls in October 1989. As of December 1994, development of Parcel 2A (roadways), Parcel 2B (apartments and parking), and the foundation of the residential complex on Parcel 2C were complete. As of June 1995, the Steam Plant on Parcel 3 was demolished and the Parcel 3 characterization was complete. Metals have been determined to be present at insignificant concentrations on Parcel 3A, where the primary concern is the presence of petroleum hydrocarbons in soil and groundwater. Asbestos has either been removed from the site or buried under the Pacific Gas Transmission (PGT) building on Parcel 3B, with a deed notice filed in Multnomah County. No further action is

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

required with regard to the PCBs. (11/4/98 TER/VCP) The Record of Decision for Parcel 3 was signed in July 1998. PDC is currently implementing the remedial action as part of Park improvements along the waterfront and riverbank. (7/7/05 TER/VCP) RiverPlace Partners has purchased the former Steam Plant parcel (3A, now called Parcel 1) and is redeveloping with subgrade parking. DEQ is providing oversight of the construction including removal of old timber piles beneath the steam plant, installation of new piles for building footings, concrete cap installation, and groundwater monitoring.

NARR ID: 5743706
NARR Code: Site History
Created By: GWISTAR
Created Date: 06/27/2003
Updated By: GWISTAR
Updated Date: 06/27/2003
Decode for NarcdID: Site History
NARR Comments: A power plant operated at the site from 1918 to 1986.

NARR ID: 5754969
NARR Code: 1922
Created By: DHAFLEY
Created Date: 12/29/2013
Updated By: DHAFLEY
Updated Date: 12/29/2013
Decode for NarcdID: Current Site Summary Statement
NARR Comments: South Waterfront (ECSI# 602) is closed as of December 2013 as a ***site***. As the site has been redeveloped and subdivided, numerous individual parcels or lots have been created; each now has a separate ECSI #. As of December 2013, all but one parcel has been capped as part of site development; remaning site requirements are periodic inspection and maintenance (as necessary) of the site cap, with reporting to DEQ. Parcel 3B Lot 8, the one exception, is slated for development in 2014. WEBDOCS for this ECSI site and the individual parcels (4422, 4757, 4423, 4424, 4420, 4421, 2232, 2492, and 1401) contains a memorandum from the PDC dated December 12, 2014 that includes a map showin the location of the individual parcels comprising the original #602 site, and a summary of environmental actions at each.

Site Control:
Site Control #: 281
Control Number: 36
Begin Date: 08/07/1992
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: Tom Roick
Last Reviewed Date: 02/20/2002
Last Update By: TROICK
Last Updated Date: 10/02/2003
Site Comment: Parcel 2 Area A roads and drainage network- SW Moody Avenue and SW River Drive at the RiverPlace development. Cap with annual inspections and maintenance is the remedy to prevent direct contact with soil containing metals (lead) and PAHs. 5-year inspections of the storm drains. Area A is maintained by the City of Portland.

Site Control #: 282
Control Number: 1

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Begin Date: 12/31/1997
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: Tom Roick
Last Reviewed Date: 12/31/1997
Last Update By: TROICK
Last Updated Date: 10/02/2003
Site Comment: Some asbestos-containing paint on concrete has been buried under portions of Parcel 3A and 3B which includes the Pacific Gas Transmission (PGT) building. A deed notice filed in Multnomah County identifies the need to comply with air quality rules if the asbestos is disturbed.

Site Control #: 304
Control Number: 36
Begin Date: 08/01/1990
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: Tom Roick
Last Reviewed Date: 05/25/2000
Last Update By: TROICK
Last Updated Date: 10/02/2003
Site Comment: Parcel 2 Areas B & C - RiverPlace parking structure, apartments, retail and Stanford's restaurant at SW River Drive. Cap with annual inspections and maintenance is the remedy to prevent direct contact with soil containing metals (lead) and PAHs. 5-year subsurface (storm drainage) inspections. Areas B&C are maintained by Trammel Crow Residential - title transfered to Prudential Real Estate Investors.

Site Control #: 305
Control Number: 36
Begin Date: 05/18/2000
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: Tom Roick
Last Reviewed Date: 12/10/2001
Last Update By: TROICK
Last Updated Date: 10/19/2005
Site Comment: South Waterfront Park cap for Parcel 3A Areas of Concern 1 and 2 to prevent direct contact with PAH contaminated soil, and bank stabilization adjacent to the Willamette River. Annual inspections and reporting to DEQ.

Site Control #: 306
Control Number: 13
Begin Date: 10/02/1989
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: Tom Roick
Last Reviewed Date: Not reported
Last Update By: TROICK
Last Updated Date: 10/02/2003
Site Comment: 1st Addendum to Agreement ECSR-NWR-88-04 between DEQ and Portland Develoment Commission, recorded with Multnomah County. Provides for engineering controls (cap and drainage) to be installed, inspected and maintained at Parcels 2 A, B, and C.

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Administrative Action:
Action ID: 9413
Region: Northwestern Region
Complete Date: 12/29/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/29/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Closeout activities on completed project
Further Action: 0
Comments: 602 as a individual entity is closed. Ongoing work at individual parcels/lots is tracked under new ECSI#s for each. See Narratives for additional info.

Action ID: 9437
Region: Not reported
Complete Date: 08/01/1990
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: Not reported
Comments: Not reported

Action ID: 9466
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Periodic Review
Further Action: Not reported
Comments: Annual Maintenance Report. PDC is responsible for Parcel 2A, due in September.

Action ID: 9480
Region: Headquarters
Complete Date: 10/13/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Federal Preliminary Assessment recommended

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Further Action: Not reported
Comments: Not reported

Action ID: 9434
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Institutional Control
Further Action: Not reported
Comments: Deed restriction for Parcel 2

Action ID: 9422
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Engineering Control
Further Action: Not reported
Comments: Parcel 2 roads and structures operate as a protective cap

Action ID: 9486
Region: Northwestern Region
Complete Date: 07/31/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: RISK ASSESSMENT
Further Action: Not reported
Comments: Baseline Human Health

Action ID: 9429
Region: Northwestern Region
Complete Date: 06/30/1997
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: FEASIBILITY STUDY
Further Action: Not reported

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Comments: Not reported

Action ID: 9494
Region: Northwestern Region
Complete Date: 07/13/1998
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: RECORD OF DECISION
Further Action: Not reported
Comments: Not reported

Action ID: 9469
Region: Northwestern Region
Complete Date: 12/29/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL ACTION
Further Action: Low
Comments: DEQ determined on 12/27/13 that the requirements under the 1988 PDC-DEQ consent order had been satisfied. The 602 site has been subdivided into a number of individual lots/parcels. These should be referenced as of 2013.

Action ID: 9491
Region: Headquarters
Complete Date: 06/30/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: REMOVAL
Further Action: Not reported
Comments: Steam plant demolition; outlet pipe capping

Action ID: 9491
Region: Northwestern Region
Complete Date: 08/31/1995
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Action: REMOVAL
Further Action: Not reported
Comments: Demolition and filling of steam plant basement tank

Action ID: 9466
Region: Northwestern Region
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Periodic Review
Further Action: Not reported
Comments: Annual Maintenance Report. Trammel Crow Residential is responsible for Parcels 2B and 2C, due in June.

Action ID: 9484
Region: Northwestern Region
Complete Date: 03/01/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: Not reported
Comments: Not reported

Action ID: 9412
Region: Headquarters
Complete Date: 12/15/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Consent Order
Further Action: Not reported
Comments: Not reported

Action ID: 9421
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Action: Site added to CERCLIS
Further Action: Not reported
Comments: Not reported

Action ID: 9425
Region: Headquarters
Complete Date: 10/13/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Action ID: 9424
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9489
Region: Not reported
Complete Date: 02/25/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Listing on Inventory recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9465
Region: Not reported
Complete Date: 08/31/1990
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Further Action: Not reported
Comments: Not reported

Action ID: 9512
Region: 0
Complete Date: 12/01/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: EPA Screening Site Inspection 1
Further Action: 0
Comments: Not reported

Action ID: 9456
Region: Headquarters
Complete Date: 12/19/1988
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: BASIC PRELIMINARY ASSESSEMENT
Further Action: Not reported
Comments: Federal.

Action ID: 9444
Region: 0
Complete Date: 12/01/1992
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: No Further Remedial Action Planned under Federal program
Further Action: 0
Comments: Not reported

Action ID: 9467
Region: Not reported
Complete Date: 08/31/1990
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: Not reported

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Comments: Not reported

Action ID: 9448
Region: Not reported
Complete Date: 02/25/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Review for final listing
Further Action: Not reported
Comments: Not reported

Action ID: 9439
Region: Not reported
Complete Date: 04/29/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: Not reported
Comments: Not reported

Action ID: 9445
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Responsible party notified re 11/88 Inventory listing
Further Action: Not reported
Comments: Not reported

Action ID: 9499
Region: Not reported
Complete Date: 08/01/1990
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: Not reported
Comments: Not reported

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Action ID: 9488
Region: Not reported
Complete Date: 02/25/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Listing on Confirmed Release List recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9438
Region: Not reported
Complete Date: 04/29/1991
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: Not reported
Comments: Not reported

Action ID: 9498
Region: Not reported
Complete Date: 08/01/1990
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: Not reported
Comments: Not reported

Operations:

Operation Id: 131912
Operation Status: Inactive
Common Name: South Waterfront Redevelopment
Yrs of Operation: 1918 to 1986
Comments: Inactive power plant.
Updated Date: 09/13/1994
Updated By: CONV
Decode for OpstatID: Inactive
Operations SIC Id: 195212
SIC Code: 4911
Created By: Not reported
Created Date: 12/17/2002

CRL:

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Facility ID: 602
Location ID: 39987
Status Code: LIS
Facility Status: Closeout activities on completed project
Lat/Long: 45.5077 / -122.6733

OR ENG CONTROL:
Site Control Sequence #: 281
Site Id: 602
Control Sequence #: 36
Begin Date: 08/07/1992
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: Tom Roick
Last Review Date: 02/20/2002
Last Updated By: TROICK
Last Updated Date: 10/02/2003
Group Sequence #: 9
Control Code: CPE
Control Description: Cap, engineered
FK Type Code: 2
Group Code: SB
Group Description: Surface Barriers
Type Code: E
Type Description: Engineering
Comments: Parcel 2 Area A roads and drainage network- SW Moody Avenue and SW River Drive at the RiverPlace development. Cap with annual inspections and maintenance is the remedy to prevent direct contact with soil containing metals (lead) and PAHs. 5-year inspections of the storm drains. Area A is maintained by the City of Portland.

Site Control Sequence #: 304
Site Id: 602
Control Sequence #: 36
Begin Date: 08/01/1990
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: Tom Roick
Last Review Date: 05/25/2000
Last Updated By: TROICK
Last Updated Date: 10/02/2003
Group Sequence #: 9
Control Code: CPE
Control Description: Cap, engineered
FK Type Code: 2
Group Code: SB
Group Description: Surface Barriers
Type Code: E
Type Description: Engineering
Comments: Parcel 2 Areas B & C - RiverPlace parking structure, apartments, retail and Stanford’s restaurant at SW River Drive. Cap with annual inspections and maintenance is the remedy to prevent direct contact with soil containing metals (lead) and PAHs. 5-year subsurface (storm drainage) inspections. Areas B&C are maintained by Trammel Crow Residential - title transfered to Prudential Real Estate Investors.

Site Control Sequence #: 305

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Site Id: 602
Control Sequence #: 36
Begin Date: 05/18/2000
End Date: Not reported
Frequency Of Review: 12
Last Reviewed By: Tom Roick
Last Review Date: 12/10/2001
Last Updated By: TROICK
Last Updated Date: 10/19/2005
Group Sequence #: 9
Control Code: CPE
Control Description: Cap, engineered
FK Type Code: 2
Group Code: SB
Group Description: Surface Barriers
Type Code: E
Type Description: Engineering
Comments: South Waterfront Park cap for Parcel 3A Areas of Concern 1 and 2 to prevent direct contact with PAH contaminated soil, and bank stabilization adjacent to the Willamette River. Annual inspections and reporting to DEQ.

OR INSTUTIONAL CONTROL:
Site Control Sequence #: 306
Site Id: 602
Control Sequence #: 13
Begin Date: 10/02/1989
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: Tom Roick
Last Review Date: Not reported
Last Updated By: TROICK
Last Updated Date: 10/02/2003
Group Sequence #: 4
Control Code: CD
Control Description: Consent Decree
FK Type Code: 1
Group Code: SET
Group Description: Statutory Enforcment Tools
Type Code: I
Type Description: Institutional
Comments: 1st Addendum to Agreement ECSR-NWR-88-04 between DEQ and Portland Develoment Commission, recorded with Multnomah County. Provides for engineering controls (cap and drainage) to be installed, inspected and maintained at Parcels 2 A, B, and C.

Site Control Sequence #: 282
Site Id: 602
Control Sequence #: 1
Begin Date: 12/31/1997
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: Tom Roick
Last Review Date: 12/31/1997
Last Updated By: TROICK
Last Updated Date: 10/02/2003
Group Sequence #: 1

SOUTH WATERFRONT REDEVELOPMENT AREA (Continued) **S109051756**

Control Code: DN
Control Description: Deed Notice
FK Type Code: 1
Group Code: ID
Group Description: Informational Devices
Type Code: I
Type Description: Institutional
Comments: Some asbestos-containing paint on concrete has been buried under portions of Parcel 3A and 3B which includes the Pacific Gas Transmission (PGT) building. A deed notice filed in Multnomah County identifies the need to comply with air quality rules if the asbestos is disturbed.

VCS:
ECS Site ID: 602
Facility Size: Not reported
Action: Closeout activities on completed project
Start Date: 12/29/2013
End Date: 12/29/2013
Facility Status: Completed
Program: VCP
Latitude: 45.5077
Longitude: -122.6733

OR BROWNFIELDS:
Geolocation Id: 39987
Status: Closeout activities on completed project
Lat/Long: 45.5077 / -122.673

---

572 SW 1/2-1 0.891 mi. 4703 ft.

Relative: Lower

Actual: 24 ft.

TRIMET WILLAMETTE RIVER BRIDGE
SOUTH WATERFRONT DISTRICT
PORTLAND, OR 97201

OR ECSI S111766413
OR VCP N/A

ECSI:
State ID Number: 5713
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: Suspect
FACA ID: 133824
Further Action: 0
Lat/Long (dms): 45 30 18.40 / -122 40 16.00
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 10
Qtr Section: Not reported
Tax Lots: 201
Size: 2.24 acres
NPL: False

TRIMET WILLAMETTE RIVER BRIDGE (Continued) **S111766413**

Orphan: False
Updated By: KDANA
Update Date: 10/20/2015
Created Date: 03/26/2012
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: Suspect
Decode For Legislative: Not reported
Alias Name: Tilikum Crossing
Alias Name: South Waterfront Donated Properties

Narrative:
NARR ID: 5754411
NARR Code: Contamination
Created By: SMANZAN
Created Date: 12/27/2012
Updated By: SMANZAN
Updated Date: 12/27/2012
Decode for NarcdID: Contamination
NARR Comments: Contamination is confined to soils on the TriMet Fee Parcel and beneath the capped construction easements. Contaminants include PCBs, antimony, arsenic, cadmium, chromium, copper, lead, mercury, nickel, zinc, PAHs, VOCs, petrolum hydrocarbons, and asbestos.

NARR ID: 5755853
NARR Code: Data Sources
Created By: KDANA
Created Date: 10/20/2015
Updated By: KDANA
Updated Date: 10/20/2015
Decode for NarcdID: Data Sources
NARR Comments: ECSI #689 (Zidell Waterfront Property).ECSI #875 (OHSU - Moody Ave. Units A, B, C).ECSI #5610 (Portland-Milwaukie Light Rail [PMLR] Project).

NARR ID: 5753959
NARR Code: General Site Description
Created By: GGAMOLO
Created Date: 03/26/2012
Updated By: GGAMOLO
Updated Date: 03/26/2012
Decode for NarcdID: General Site Description
NARR Comments: The subject properties are located in the South Waterfront District, City of Portland, Multnomah County, in Section 10, Township 1 South, Range 1 East, of the Willamette Meridian. The properties are in an industrialized and urbanized section of the city that are boarded to the east by the Willamette River at river mile (RM) 13.3; to the west by S.W. Moody Avenue; to the north by S.W. River Parkway; and to the south by Ross Island Bridge. Currently, entrance to the properties is from a gated access off of S.W. Moody Avenue. The properties are relatively flat and free from above ground structures. The basis of survey coordinate system used for legal description is North American Vertical Datum 1983 (NAVD 83), and the Oregon Coordinate System 1983.

NARR ID: 5755852
NARR Code: Site Location
Created By: KDANA

TRIMET WILLAMETTE RIVER BRIDGE (Continued) **S111766413**

Created Date: 10/20/2015
Updated By: KDANA
Updated Date: 10/20/2015
Decode for NarcdID: Site Location
NARR Comments: The site extends along SW Porter Street from the Willamette River to Moody Avenue.

NARR ID: 5754412
NARR Code: Site Ownership
Created By: SMANZAN
Created Date: 12/27/2012
Updated By: SMANZAN
Updated Date: 12/27/2012
Decode for NarcdID: Site Ownership
NARR Comments: TriMet owns the Fee Parcel that includes the right of way for the bridge ramp on the west side of the Wllamette River. ZRZ (Zidell) and OHSU own property that provide construction easements to construct the ramp.

NARR ID: 5754410
NARR Code: Site History
Created By: SMANZAN
Created Date: 12/27/2012
Updated By: KDANA
Updated Date: 10/20/2015
Decode for NarcdID: Site History
NARR Comments: TriMet acquired property from OHSU (ECSI #875) and ZRZ (ECSI #689) in January 2011 in order to construct a bridge ramp and transit station for the Portland-Milwaukie Light Rail line (ECSI #5610). TriMet is required to comply with soil management provisions specified in the ZRZ and OHSU RODs, and a Soil Management Plan approved by DEQ in February 2011. Soil management activities are required on the acquired property (Fee Parcel) and also on surrounding property (construction easements) in order to accomodate equipment and construction supply and material needs to construct the bridge ramp.The bridge ramp will also serve as an engineered containment cell to encapsulate ecological hot spot soil that was removed from the ZRZ property bank required by DEQ as part of remedial action on the ZRZ property. While preparing to construct the bridge abuntment and bent, TriMet removed approximately 860 cubic yards of soil from four 8-foot diameter shaft borings completed to approximately 115 feet below ground surface. These soils were removed and transported to appropriate disposal facilities as required in the Contaminated Media Management Plan approved by DEQ in February 2012.

NARR ID: 5754413
NARR Code: 1922
Created By: SMANZAN
Created Date: 12/27/2012
Updated By: SMANZAN
Updated Date: 12/27/2012
Decode for NarcdID: Current Site Summary Statement
NARR Comments: December 2012. The bridge ramps are currently being constructed. Approximately 860 cubic yards of soil was removed in spring 2012 from 4 8-foot diameter shafts extending to approximately 115 feet below ground surface. TriMet submits quarterly status reports to DEQ regarding all soil managment activities at the site.

TRIMET WILLAMETTE RIVER BRIDGE (Continued) **S111766413**

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 03/26/2012
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/26/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9511
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/26/2012
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE INVESTIGATION
Further Action: 0
Comments: Not reported

Action ID: 9410
Region: Northwestern Region
Complete Date: 01/31/2011
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/20/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Consent Decree
Further Action: 0
Comments: Consent Judgment between DEQ & TriMet. Multnomah County Case No. 1101-00271.

VCS:
ECS Site ID: 5713
Facility Size: 2.24 acres
Action: SITE INVESTIGATION
Start Date: 03/26/2012
End Date: Not reported
Facility Status: Inactive
Program: VCP
Latitude: 45.50509
Longitude: -122.6711

573
West
1/2-1
0.895 mi.
4726 ft.

CITY OF PORTLAND SW FRONT AVE PROPERTY
1434 SW NAITO PARKWAY
PORTLAND, OR 97201

OR ECSI
FINDS
ECHO

1006852612
N/A

Relative:
Higher

Actual:
53 ft.

ECSI:

State ID Number:	3090
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	No Further Action
FACA ID:	41267
Further Action:	0
Lat/Long (dms):	45 30 44.00 / -122 40 30.00
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	3
Qtr Section:	BD
Tax Lots:	2400 - 2800
Size:	Not reported
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	08/29/2007
Created Date:	06/06/2001
Decode For RegionID:	Northwest Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	No Further Action
Decode For Legislative:	Not reported

Alias Name: Lead Smelter Site
Alias Name: Multnomah Metal Co.

Narrative:

NARR ID:	5741465
NARR Code:	Contamination
Created By:	Not reported
Created Date:	12/17/2002
Updated By:	GWISTAR
Updated Date:	10/22/2003
Decode for NarcdID:	Contamination

NARR Comments: (11/8/01 GMW/SAS) This is one of three sites in Oregon that a researcher at George Mason University identified as a former lead-smelting facility. The U.S. EPA requested that DEQ evaluate these three sites (ECSI #3066, 3067, and 3090), and determine whether past industrial operations might have left behind lead contamination that poses threats to human health or the environment.(2/8/02 CB/SAS) Any potential site contamination that may have been imparted by the Multnomah Metals Co. has long since been removed, redistributed, and/or covered as a result of the areas redevelopment. At this time, there are no overt indications of contaminants related to the manufacture of lead-containing metals being present at, or migrating from, this location.

CITY OF PORTLAND SW FRONT AVE PROPERTY (Continued) **1006852612**

NARR ID: 5744300
NARR Code: General Site Description
Created By: GWISTAR
Created Date: 10/22/2003
Updated By: GWISTAR
Updated Date: 10/22/2003
Decode for NarcdID: General Site Description
NARR Comments: This site is situated on what is now the south end of Waterfront Park, on the west bank of the Willamette River, and at the foot of SW Clay St., near downtown Portland. The northbound lanes of SW Naito Parkway presently occupy what was the western face of the Multnomah Metals Co. building. The entire property is now owned and maintained by the City of Portland.The property in question was originally two parcels, each having its own address: 312 and 314 Front Ave. In the mid-1930s, the citys address format was changed, and the address numbers of 1434 and 1438 were assigned to this property. While two buildings were present, one at each address, they appear to have been internally connected and jointly operated according to Sanborn Fire Insurance Company maps from as early as 1909.

NARR ID: 5744299
NARR Code: Remedial Action
Created By: GWISTAR
Created Date: 10/22/2003
Updated By: GWISTAR
Updated Date: 10/22/2003
Decode for NarcdID: Remedial Action
NARR Comments: (2/8/02 CB/SAS) Given the information provided for this assessment, DEQ is recommending no further action regarding the investigation of possible lead contamination at this location. DEQ may reinitiate this investigation of this site should information become available in the future suggesting that contaminants of concern are indeed present.

NARR ID: 5744301
NARR Code: Site History
Created By: GWISTAR
Created Date: 10/22/2003
Updated By: GWISTAR
Updated Date: 10/22/2003
Decode for NarcdID: Site History
NARR Comments: The earliest mention of the Multnomah Metals Co. at this location is from the 1912 Polk City Directory, which lists the company as a Manufacturer of Babbitt Metal and Solders 156 Flower, Office 312 Front. The continued occupancy of the 312 Front Street address by the Multnomah Metals Co., is indicated from 1915 until 1960. These listings include a variety of subject headings occurring over the years such as: rags importers, rag dlrs, junk, waste dlrs, and mfrs agts. None of these headings necessarily suggests that metal-working activity occurred at that location, but rather that materials salvage of various sorts took place there. The only notable exceptions to these headings are a Portland Fire Bureau inspection log listing the site as an industrial laundry from 1949 1952, and a 1968 site demolition report where the Portland Bureau of Buildings describes the site as a whse. & store & factory.These listings, in addition to the lack of any metal smelting apparatus or chimneys depicted on the Sanborn maps, suggest that this location was not used for metals manufacturing. To the contrary, it appears that the Front Ave.

CITY OF PORTLAND SW FRONT AVE PROPERTY (Continued) **1006852612**

location may have served as both an office and a type of junk and/or scrap metal depot or storage facility, while the companys 156 Flower address was the actual location of the smelting facility. This presumption is corroborated when examining the 156 Flower St. location on Sanborn maps for the early to mid 1900s. The discovery of this second location has led DEQ to evaluate the Flower St. portion of Multnomah Metals Co. -- ECSI #3274.After the building was razed in 1968, the property appears to have remained vacant, and was relatively isolated by Water Ave. to the west, and by the Harbor Drive Freeway to the east. In a period lasting from roughly 1977 to the early 1990s, Water Ave. and the Harbor Drive Freeway were removed, and the property in question was gradually transformed, along with the surrounding lands, into what is now the McCall Waterfront Park Amphitheater.

Administrative Action:
Action ID: 9425
Region: Northwestern Region
Complete Date: 02/08/2002
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: 0
Comments: Federal screening.

Action ID: 9424
Region: Northwestern Region
Complete Date: 06/06/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Northwestern Region
Complete Date: 06/06/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: Not reported
Comments: Federal screening.

CITY OF PORTLAND SW FRONT AVE PROPERTY (Continued) **1006852612**

Action ID: 9449
Region: Northwestern Region
Complete Date: 02/08/2002
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/22/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Insufficient information to list
Further Action: 0
Comments: Not reported

Action ID: 9443
Region: Northwestern Region
Complete Date: 02/08/2002
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/22/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

FINDS:

Registry ID: 110014146441

Environmental Interest/Information System
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

ECHO:

Envid: 1006852612
Registry ID: 110014146441
FIPS Code: 41051
EPA Region: 10
Indian Country Flag: N
Federal Flag: Not reported
US Mexico Border Flag: Not reported
Chesapeake Bay Flag: Not reported
NAA Flag: Not reported
Latitude: 45.51254
Longitude: -122.675115
Map Icon: NONE-UNK-MN-N.png
Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION

CITY OF PORTLAND SW FRONT AVE PROPERTY (Continued) **1006852612**

Accuracy Meters:	50
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	170900120202
Derived STCT FPS:	41051
Derived Zip:	97201
Derived CD113:	03
Derived CB2010:	410510057003003
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	Not reported
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	Not reported
Programs in SNC:	0
Curr Compliance Status:	Not reported
Curr SNC Flag:	N
3yr Compliance Status:	Not reported
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported

CITY OF PORTLAND SW FRONT AVE PROPERTY (Continued) **1006852612**

CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	Not reported
RCRA Permit Types:	Not reported
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	Not reported
RCRA Curr Compliance Status:	Not reported
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	Not reported
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110014146441
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

574
West
1/2-1
0.922 mi.
4869 ft.

Relative:
Higher

Actual:
47 ft.

FIRST & MAIN
101 SW MAIN ST.
PORTLAND, OR 97204

OR ECSI **S106236730**
OR CRL **N/A**
OR ENG CONTROLS
OR INST CONTROL
OR VCP
OR BROWNFIELDS

ECSI:

State ID Number:	4085
Brown ID:	Brownfield Site - No Public Sector Assistance
Study Area:	False
Region ID:	2
Legislatve ID:	831
Investigation:	Listed on the CRL/Inventory
FACA ID:	82502
Further Action:	0
Lat/Long (dms):	45 30 55.80 / -122 40 31.10
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	3
Qtr Section:	BD
Tax Lots:	600, map 1S/1E-03BD
Size:	Approx. 1.6 ac.
NPL:	False
Orphan:	False
Updated By:	KTHIESS
Update Date:	06/02/2014
Created Date:	03/26/2004
Decode For RegionID:	Northwest Region
Decode For BrownID:	Brownfield Site - no Public Sector Assistance
Decode For Furtheract:	Not reported
Decode For Investstat:	Listed on the CRL/Inventory
Decode For Legislative:	Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

Alias Name: Two Main Place
Alias Name: First and Main

Narrative:

NARR ID:	5744978
NARR Code:	Site Contacts
Created By:	AVOSS
Created Date:	04/29/2004
Updated By:	KTHIESS
Updated Date:	10/14/2009
Decode for NarcdID:	Site Contacts
NARR Comments:	(KRT 10/09) Krista Bailey Development Manager - PortlandShorenstein Realty Services, LPOne SW Columbia, S-300Portland, OR 97258Interpark, c/o Peter Serrurier of Stoel Rives

NARR ID:	5744977
NARR Code:	Contamination
Created By:	AVOSS
Created Date:	04/29/2004
Updated By:	KTHIESS
Updated Date:	10/14/2009

FIRST & MAIN (Continued) **S106236730**

Decode for NarcdID: Contamination
NARR Comments: (10/09 KRT) Diesel and gasoline-impacted soil was discovered at the northwest corner of the property in April 2000.
Petroleum-contaminated soil was found to extend downward to the water table at approximately 32 feet. Petroleum-contaminated soil was found to extend laterally over part of the First and Main site and offsite beneath the intersection of SW Main Street and SW Second Avenues. Diesel and gasoline-range hydrocarbons, volatile organic compounds (VOCs), and chlorinated volatile organic solvents (cVOCs), were found in site monitoring wells. The cVOCs, typically used in dry-cleaning operations, are presumed to be from an offsite source. (12/18/05 ACV/ICP) Site will be location of new commercial building. Petroleum contamination of soil and groundwater discovered during property transfer investigations, likely from a UST release on and off-site.
PCE also present in groundwater at depth; source unknown.

NARR ID: 5747286
NARR Code: Data Sources
Created By: JWAGGY
Created Date: 10/04/2005
Updated By: KTHIESS
Updated Date: 10/14/2009
Decode for NarcdID: Data Sources
NARR Comments: Secor International, Inc., Final Independent Cleanup Pathway Final Report for Interpark, Two Main Place Property, October 4, 2004.Secor International, Inc., Groundwater Monitoring Status Report, Tow Main Place Property, October 6, 2004.DEQ, Record of Decision, Selected Remedial Action, Two Main Place, February 2005.GeoDesign, lnc., Pre-Construction Investigation, Proposed First and Main Office Building,100 SW Main Street, Portland, Oregon, dated October 11, 2007.GeoDesign, lnc., Proposed First and Main Office Building, Shallow Test Pit lnvestigationMemorandum, 100 SW Main Street, Portland, Oregon, dated November 2, 2007.GeoDesign, lnc., Contaminated Media Management Plan, Proposed First and Main OfficeBuilding, October 2007.GeoDesign, lnc., Technical Memoranda 1-9, Excavation Dewatering Treatment SystemResults. Proposed First and Main Office Building, 2007 through 2008.GeoDesign, lnc., Closure Report, Proposed First and Main Office Building, March 3, 2009

NARR ID: 5746329
NARR Code: Hazardous Substance/Waste Types
Created By: AVOSS
Created Date: 02/18/2005
Updated By: KTHIESS
Updated Date: 10/14/2009
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: (KRT 10/09) gasoline, diesel and chlorinated volatile organic compounds

NARR ID: 5746331
NARR Code: Land Use (Current/Reasonably Likely)
Created By: AVOSS
Created Date: 02/18/2005
Updated By: KTHIESS
Updated Date: 10/14/2009
Decode for NarcdID: Land Use (Current/Reasonably Likely)
NARR Comments: (KRT 10/09) E&ES Restriction of site uses to those allowed under

FIRST & MAIN (Continued) **S106236730**

zoning designation Central Commercial or CX.

NARR ID: 5744719
NARR Code: Site Location
Created By: JWAGGY
Created Date: 03/26/2004
Updated By: KTHIESS
Updated Date: 10/14/2009
Decode for NarcdID: Site Location
NARR Comments: First and Main office building, 100 SW Main Street, Portland, OR 97204AKA: Two Main Place, SW 2nd and SW Main, Portland.

NARR ID: 5747182
NARR Code: Manner of Release
Created By: JWAGGY
Created Date: 09/15/2005
Updated By: KTHIESS
Updated Date: 10/14/2009
Decode for NarcdID: Manner of Release
NARR Comments: (KRT 10/09) Petroleum contamination of soil and groundwater discovered during property transfer investigations in 2000, likely from a UST release affecting souil and groundwater both on and off-site. PCE also present in groundwater at depth; source unknown.

NARR ID: 5746332
NARR Code: Media Contamination
Created By: AVOSS
Created Date: 02/18/2005
Updated By: KTHIESS
Updated Date: 10/14/2009
Decode for NarcdID: Media Contamination
NARR Comments: (KRT 10/09) Diesel and gasoline-impacted soil was discovered at the northwest corner of the property in April 2000. Petroleum-contaminated soil was found to extend downward to the water table at approximately 32 feet. Petroleum-contaminated soil was found to extend laterally over part of the First and Main site and offsite beneath the intersection of SW Main Street and SW Second Avenues. Diesel and gasoline-range hydrocarbons, volatile organic compounds (VOCs), and chlorinated volatile organic solvents (cVOCs), were found in site monitoring wells. The cVOCs, typically used in dry-cleaning operations, are presumed to be from an offsite source.

NARR ID: 5747284
NARR Code: Pathways Other Hazards
Created By: JWAGGY
Created Date: 10/03/2005
Updated By: KTHIESS
Updated Date: 10/14/2009
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: (KRT 10/09) Prior to site remediation in 2008, volatile organic compounds (VOCs) in groundwater, exceeded DEQs Risk Based Concentrations (RBCs) for the vapor intrusion into buildings and construction and excavation worker direct contact pathway scenarios. In 2008, the city block property was excavated to a depth of 37 feet below ground surface including the area of the former service station. A total of 4,535 cubic yards of petroleum-impacted soil was excavated and transported to Riverbend Landfill in McMinnville,

FIRST & MAIN (Continued) **S106236730**

Oregon, a Subtitle D Landfill. In 2008, 2.66 million gallons of groundwater were pumped from the excavation during construction and treated to remove VOCs, cVOCs, turbidity, and metals prior to discharge to the municipal storm sewer. With the large volume of petroleum-contaminated soil removed from the site in 2008, the source of contamination to groundwater at the site has been removed. The vapor intrusion exposure pathway to First & Main building occupants from residual VOCs has been effectively elimated through site remediation, building design and imlementation of engineering and institutional controls.

NARR ID: 5746657
NARR Code: Remedial Action
Created By: GWISTAR
Created Date: 05/23/2005
Updated By: KTHIESS
Updated Date: 10/14/2009
Decode for NarcdID: Remedial Action
NARR Comments: (KRT 10/09) In 2008, the city block property was excavated to a depth of 37 feet below ground surface including the area of the former service station. A total of 4,535 cubic yards of petroleum-impacted soil was excavated and transported to Riverbend Landfill in McMinnville, Oregon, a Subtitle D Landfill. Also in 2008, 2.66 million gallons of groundwater were pumped from the excavation during construction and treated to remove VOCs, cVOCs, turbidity, and metals prior to discharge to the municipal storm sewer. With the large volume of petroleum-contaminated soil removed from the site in 2008, the source of contamination to groundwater at the site has been removed. (2/1/05 ACV/ICP) Interpark directed an independent soil removal action at the site in 2004. Approximately 460 tons of soil were removed and disposed of at Hillsboro Landfill. Residual soil contamination remained to the north (under Main St.) and to the west (under 2nd Ave.). Groundwater (approximately 30+ feet bgs) had detectable concentrations of gasoline constituents and chlorinated hydrocarbons.The site is being redeveloped. There are no current unacceptable risks as it is used for surface parking. Future site development is proposed to include a multi-story commercial building with several levels of below-grade parking. DEQ issued a ROD in February 2005 that required: 1) worker notification of site contamination during construction; 2) a soil management plan for construction; 3) groundwater use restrictions; and 4) engineering controls to mitigate potential indoor air contamination due to residual contamination migrating into the new building. The site developer has agreed to implement the required remedy during site development.

NARR ID: 5747285
NARR Code: Health Threats
Created By: JWAGGY
Created Date: 10/04/2005
Updated By: KTHIESS
Updated Date: 10/14/2009
Decode for NarcdID: Health Threats
NARR Comments: (KRT 10/09) DEQ concludes that conditions at the First & Main site are protective of public health and the environment while engineering and institutional controls are maintained. The site requires no further action under the Oregon Environmental Cleanup Law, ORS

FIRST & MAIN (Continued) **S106236730**

465.200 et seq., as long as site controls are maintained or new information becomes available. Additional information regarding this determination and site conditions can be found in DEQs Conditional No Further Action Recommendation (DEQ, 2009).The First & Main property is on DEQs Confirmed Release List (CRL) as required by ORS 465.225. The facility will remain on the CRL, as required by ORS 465.230(2), as long as engineering and institutional controls are used to minimize vapor intrusion risk. Petroleum-contaminated soil from the First and Main site remains offsite beneath the intersection of SW Second and SW Main Streets. Any work performed in the intersection of SW Second Avenue and SW Main Street, must be performed in accordance with DEQ regulations and policies.

NARR ID: 5746333
NARR Code: Water Use (Current/Reasonably Likely)
Created By: AVOSS
Created Date: 02/18/2005
Updated By: KTHIESS
Updated Date: 10/14/2009
Decode for NarcdID: Water Use (Current/Reasonably Likely)
NARR Comments: (KRT 10/09) Beneficial uses of groundwater are surface water recharge, irrigation, and industrial uses. An institutional control in effect at the site prohibits use of groundwater from the site.

NARR ID: 5746334
NARR Code: Institutional Control
Created By: AVOSS
Created Date: 02/18/2005
Updated By: KTHIESS
Updated Date: 10/14/2009
Decode for NarcdID: Institutional Control
NARR Comments: (KRT 10/09) To ensure continuation of institutional controls, DEQ has prepared an Easement and Equitable Servitudes document (E&ES) which has been attached to the property deed. The E&ES prohibits the use of groundwater from the site, restricts site uses to those allowed under current zoning, and provides site access for DEQ personnel to ensure the integrity of institutional and engineering controls for indoor air. A summary of all Selected Remedial Actions specified in the ROD are included with the E&ES.

NARR ID: 5746330
NARR Code: Site History
Created By: AVOSS
Created Date: 02/18/2005
Updated By: KTHIESS
Updated Date: 10/14/2009
Decode for NarcdID: Site History
NARR Comments: (KRT 10/09) The project site block has had a varied history of commercial uses dating back to the early 1900s. Former commercial uses at the project site included two laundries, offices, a tin shop, a paint shop, a plumbing shop, a machine shop, restaurants, hotels, and a garage and service station located at the northwest corner. The property has been used as a public parking lot following demolition of all site building in the 1980s. The sixteen-story First and Main office building, when completed in 2010 will provide 360,000 square-feet of floor area. The office building under construction will occupy the entire city-block site.

FIRST & MAIN (Continued) **S106236730**

NARR ID: 5749977
NARR Code: 1922
Created By: KTHIESS
Created Date: 12/20/2007
Updated By: KTHIESS
Updated Date: 10/14/2009
Decode for NarcdID: Current Site Summary Statement
NARR Comments: (KRT 10/09) A service station operated at the northwest corner of the property from 1932 to 1975. Leaks from underground storage tanks at the service station contaminated soil and groundwater at the site. Petroleum-contaminated soil was found to extend downward to the water table at approximately 32 feet. In 2008, during construction for a 14-story office building, the entire property was excavated to a depth of 37 feet including the area of the former service station. A total of 4,535 cubic yards of petroleum-impacted soil was excavated. Approximately 2.66 million gallons of groundwater were pumped from the excavation during construction and treated to remove contaminants prior to sewer discharge. With the large volume of petroleum-contaminated soil removed from the site in 2008, the source of contamination to groundwater at the site has been removed. Prior to site cleanup, volatile organic compounds in groundwater were found to exceed DEQs Risk Based Concentrations for the vapor intrusion into buildings and construction and excavation worker direct contact exposure pathways. Engineering and institutional controls to safeguard construction and excavation workers and to prevent vapor intrusion into the new building were successfully implemented through building design and during construction. The First & Main office building is nearing completion. Due to successful remediation efforts and engineering and institutional controls, DEQ has determined that conditions at the First & Main construction site and office building are protective of public health and the environment and that no further action is necessary on the condition that engineering and institutional controls are maintained.

Site Control:
Site Control #: 404
Control Number: 3
Begin Date: 02/18/2005
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: Voss, Alicia
Last Reviewed Date: 02/18/2005
Last Update By: JWAGGY
Last Updated Date: 09/15/2005
Site Comment: Easement and equitable servitude addressing groundwater use restriction.

Site Control #: 405
Control Number: 25
Begin Date: 02/18/2005
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: Thiessen, Ken
Last Reviewed Date: 10/19/2011
Last Update By: KTHIESS
Last Updated Date: 10/19/2011
Site Comment: There is a prohibition on groundwater use at the site. DEQ requires site access as needed to confirm that controls are maintained to

FIRST & MAIN (Continued) **S106236730**

eliminate possible VOC vapor entry to sub-grade parking stucture .

Administrative Action:
Action ID: 9411
Region: Northwestern Region
Complete Date: 10/14/2009
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/13/2009
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: No Further Action (Conditional)
Further Action: 0
Comments: NFA is conditional based on prohibited use of site groundwater and building access as needed by DEQ inspectors to evaluate engineering controls to eliminate possible vapor entry into subgrade parking structure.

Action ID: 9474
Region: 0
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/06/2013
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Delisting from Confirmed Release List recommended
Further Action: 0
Comments: Not reported

Action ID: 9424
Region: Not reported
Complete Date: 03/26/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/26/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9435
Region: Northwestern Region
Complete Date: 02/18/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 03/26/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False

FIRST & MAIN (Continued) **S106236730**

Action: Independent Cleanup Program
Further Action: 0
Comments: Not reported

Action ID: 9409
Region: Northwestern Region
Complete Date: 12/01/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/18/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Beneficial Water Use Assessment
Further Action: Low
Comments: Surface water recharge, irrigation, and industrial uses

Action ID: 9484
Region: Northwestern Region
Complete Date: 12/01/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/18/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: Low
Comments: Not reported

Action ID: 9494
Region: Northwestern Region
Complete Date: 02/18/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/18/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: RECORD OF DECISION
Further Action: 0
Comments: ROD requirements: 1)worker notification of soil/groundwater contamination, 2) soil management plan, 3) groundwater use restrictions, 4) engineering controls for indoor air pathway

Action ID: 9429
Region: Northwestern Region
Complete Date: 02/18/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/18/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action

FIRST & MAIN (Continued) **S106236730**

Action Code Flag: False
Action: FEASIBILITY STUDY
Further Action: Low
Comments: Not reported

Action ID: 9498
Region: Northwestern Region
Complete Date: 02/18/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/10/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: 0
Comments: Not reported

Action ID: 9422
Region: Northwestern Region
Complete Date: 10/13/2009
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/15/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Engineering Control
Further Action: 0
Comments: Engineering controls to mitigate potential indoor air contamination due to residual contamination migrating into the new building.

Action ID: 9434
Region: Northwestern Region
Complete Date: 10/13/2009
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/15/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Institutional Control
Further Action: 0
Comments: Easement and equitable servitude addressing groundwater use restriction.

Action ID: 9459
Region: Northwestern Region
Complete Date: 12/01/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/22/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region

FIRST & MAIN (Continued) **S106236730**

Category: Remedial Action
Action Code Flag: False
Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: 0
Comments: PAE; Remedial Investigation dated December 2004.

Action ID: 9499
Region: Northwestern Region
Complete Date: 09/22/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/22/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: 0
Comments: Not reported

Action ID: 9486
Region: Northwestern Region
Complete Date: 12/01/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/04/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: RISK ASSESSMENT
Further Action: 0
Comments: Human Health Risk Assessment.

Action ID: 9436
Region: Northwestern Region
Complete Date: 12/01/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/04/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Land-Use Assessment
Further Action: 0
Comments: Not reported

Action ID: 9465
Region: Northwestern Region
Complete Date: 10/06/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/06/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action

FIRST & MAIN (Continued) **S106236730**

Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9467
Region: Northwestern Region
Complete Date: 10/06/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/06/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: 0
Comments: Not reported

Action ID: 9437
Region: Northwestern Region
Complete Date: 04/14/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/17/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: 0
Comments: Not reported

Action ID: 9438
Region: Northwestern Region
Complete Date: 04/17/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/17/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9439
Region: Northwestern Region
Complete Date: 04/17/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/17/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False

FIRST & MAIN (Continued) **S106236730**

Action: Facility placed on Inventory
Further Action: 0
Comments: Not reported

Action ID: 9413
Region: Northwestern Region
Complete Date: 10/13/2009
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/10/2008
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Closeout activities on completed project
Further Action: Low
Comments: Not reported

Action ID: 9492
Region: Northwestern Region
Complete Date: 10/10/2008
Rank Value: Not reported
Cleanup Flag: True
Created Date: 06/10/2008
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMOVAL ASSESSMENT
Further Action: 0
Comments: Not reported

CRL:
Facility ID: 4085
Location ID: 82502
Status Code: LIS
Facility Status: No Further Action (Conditional)
Lat/Long: 45.5155 / -122.6753

OR ENG CONTROL:
Site Control Sequence #: 405
Site Id: 4085
Control Sequence #: 25
Begin Date: 02/18/2005
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: Thiessen, Ken
Last Review Date: 10/19/2011
Last Updated By: KTHIESS
Last Updated Date: 10/19/2011
Group Sequence #: 6
Control Code: PMRO
Control Description: Periodic montioring & reporting, other categories
FK Type Code: 2
Group Code: LTC
Group Description: Long-Term Controls

FIRST & MAIN (Continued) **S106236730**

Type Code: E
Type Description: Engineering
Comments: There is a prohibition on groundwater use at the site. DEQ requires site access as needed to confirm that controls are maintained to eliminate possible VOC vapor entry to sub-grade parking stucture .

OR INSTUTIONAL CONTROL:
Site Control Sequence #: 404
Site Id: 4085
Control Sequence #: 3
Begin Date: 02/18/2005
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: Voss, Alicia
Last Review Date: 02/18/2005
Last Updated By: JWAGGY
Last Updated Date: 09/15/2005
Group Sequence #: 2
Control Code: EES
Control Description: Easement Equitable Servitude
FK Type Code: 1
Group Code: PR
Group Description: Proprietary
Type Code: I
Type Description: Institutional
Comments: Easement and equitable servitude addressing groundwater use restriction.

VCS:
ECS Site ID: 4085
Facility Size: Approx. 1.6 ac.
Action: No Further Action (Conditional)
Start Date: 09/01/2009
End Date: 10/14/2009
Facility Status: Completed
Program: VCP
Latitude: 45.51550
Longitude: -122.6752

OR BROWNFIELDS:
Geolocation Id: 82502
Status: No Further Action (Conditional)
Lat/Long: 45.5155 / -122.675

575
WSW
1/2-1
0.925 mi.
4885 ft.

INNVENTURES
2115 SW RIVER PARKWAY
PORTLAND, OR 97201

OR ECSI **1006867151**
OR VCP **N/A**
OR BROWNFIELDS
FINDS
ECHO

Relative:
Lower

Actual:
35 ft.

ECSI:
State ID Number: 2232
Brown ID: Brownfield Site - Assistance From Other Public Agencies
Study Area: False
Region ID: 2
Legislatve ID: 831

INNVENTURES (Continued) **1006867151**

Investigation: No Further Action
FACA ID: 33720
Further Action: 0
Lat/Long (dms): 45 30 23.00 / -122 40 22.40
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 3
Qtr Section: Not reported
Tax Lots: Not reported
Size: 1.4 acres
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 10/24/2005
Created Date: 07/15/1998
Decode For RegionID: Northwest Region
Decode For BrownID: Brownfield Site - Assistance from Other Public Agencies
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action
Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

Alias Name: Residence Inn
Alias Name: Downtown Riverplace
Alias Name: South Waterfront Redevelopment - Lot 5
Alias Name: Portland Development Commission (PDC) - Lot 5

Hazardous Release:
Substance ID.: 121989
Haz Release ID: 381830
Qty Released: unknown
Date Released: unknown
Update Date: 09/11/1998
Update By: Not reported
Substance Code: ECD200
Substance Name: OIL OR FUEL RELATED COMPOUNDS
Substance Abbrev.: Not reported
Substance Category ID: 8532
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8532
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Sampling Result ID: 340255
Feature Id: Not reported
Hazard Release Id: 381830
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False

INNVENTURES (Continued) **1006867151**

Owner Operator: False
Lab Data: True
Sample Depth: 11 ft bgs
Start Date: 01/19/1998
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 3,600 mg/kg
Last Update By: jmw
Update Date: 11/09/1998
Decode for MediumID: Soil

Substance ID.: 121983
Haz Release ID: 381831
Qty Released: unknown
Date Released: unknown
Update Date: 09/11/1998
Update By: Not reported
Substance Code: ECD173
Substance Name: GASOLINE
Substance Abbrev.: Not reported
Substance Category ID: 8530
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8530
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Sampling Result ID: 340256
Feature Id: Not reported
Hazard Release Id: 381831
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 11 ft bgs
Start Date: 01/19/1998
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 4,800 mg/kg
Last Update By: jmw
Update Date: 11/09/1998
Decode for MediumID: Soil

Substance ID.: 121982
Haz Release ID: 381832
Qty Released: unknown
Date Released: unknown
Update Date: 09/11/1998
Update By: Not reported
Substance Code: ECD169

INNVENTURES (Continued) **1006867151**

Substance Name: DIESEL - FUEL OIL
Substance Abbrev.: Not reported
Substance Category ID: 8529
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8529
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Sampling Result ID: 340257
Feature Id: Not reported
Hazard Release Id: 381832
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 4 ft bgs
Start Date: 12/29/1997
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 190 mg/kg
Last Update By: jmw
Update Date: 11/09/1998
Decode for MediumID: Soil

Substance ID.: 121462
Haz Release ID: 381833
Qty Released: unknown
Date Released: unknown
Update Date: 09/11/1998
Update By: Not reported
Substance Code: 56-55-3
Substance Name: BENZO(a)ANTHRACENE
Substance Abbrev.: Not reported
Substance Category ID: 8475
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8475
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318790
Sub Alias Name: BENZ(a)ANTHRACENE
Substance Alias ID: 318791
Sub Alias Name: BENZANTHRACENE,1,2-
Substance Alias ID: 318792
Sub Alias Name: BENZANTHRENE
Substance Alias ID: 318793

INNVENTURES (Continued) **1006867151**

Sub Alias Name: BENZOANTHRACENE
Substance Alias ID: 318794
Sub Alias Name: BENZPHENANTHRENE,2,3-
Substance Alias ID: 318795
Sub Alias Name: NAPHTHANTHRACENE
Substance Alias ID: 318796
Sub Alias Name: TETRAPHENE
Sampling Result ID: 340258
Feature Id: Not reported
Hazard Release Id: 381833
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 1.5 bgs
Start Date: 12/29/1997
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 8.4 mg/kg
Last Update By: jmw
Update Date: 11/09/1998
Decode for MediumID: Soil

Substance ID.: 121210
Haz Release ID: 381834
Qty Released: unknown
Date Released: unknown
Update Date: 09/11/1998
Update By: Not reported
Substance Code: 218-01-9
Substance Name: CHRYSENE
Substance Abbrev.: Not reported
Substance Category ID: 8481
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8481
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317438
Sub Alias Name: BENZ(a)PHENANTHRENE
Substance Alias ID: 317439
Sub Alias Name: BENZPHENANTHRENE,1,2-
Substance Alias ID: 317440
Sub Alias Name: DIBENZONAPHTHALENE,1,2,5,6-
Sampling Result ID: 340259
Feature Id: Not reported
Hazard Release Id: 381834
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported

INNVENTURES (Continued) **1006867151**

Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 1.5 ft bgs
Start Date: 12/29/1997
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 6.98 mg/kg
Last Update By: jmw
Update Date: 11/09/1998
Decode for MediumID: Soil

Substance ID.: 121192
Haz Release ID: 381835
Qty Released: unknown
Date Released: unknown
Update Date: 09/11/1998
Update By: Not reported
Substance Code: 205-99-2
Substance Name: BENZO(b)FLUORANTHENE
Substance Abbrev.: Not reported
Substance Category ID: 8477
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8477
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317390
Sub Alias Name: B(b)F
Substance Alias ID: 317391
Sub Alias Name: BENZ(e)ACEPHENANTHRYLENE
Substance Alias ID: 317392
Sub Alias Name: BENZFLUORANTHENE,3,4-
Substance Alias ID: 317393
Sub Alias Name: BENZOFLUORANTHENE,2,3-
Substance Alias ID: 317394
Sub Alias Name: BENZOFLUORANTHENE,3,4-
Sampling Result ID: 340260
Feature Id: Not reported
Hazard Release Id: 381835
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 13.0 ft bgs
Start Date: 12/29/1997
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 8.5 mg/kg

INNVENTURES (Continued) **1006867151**

Last Update By: jmw
Update Date: 11/09/1998
Decode for MediumID: Soil

Substance ID.: 121415
Haz Release ID: 381836
Qty Released: unknown
Date Released: unknown
Update Date: 09/11/1998
Update By: Not reported
Substance Code: 53-70-3
Substance Name: DIBENZO(a,h)ANTHRACENE
Substance Abbrev.: Not reported
Substance Category ID: 8499
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8499
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318667
Sub Alias Name: DB(a,h)A
Substance Alias ID: 318668
Sub Alias Name: DIBENZ(a,h)ANTHRACENE
Substance Alias ID: 318669
Sub Alias Name: DIBENZANTHRACENE,1,2-5,6-
Substance Alias ID: 318670
Sub Alias Name: DIBENZANTHRACENE,1,2:5,6-
Sampling Result ID: 340261
Feature Id: Not reported
Hazard Release Id: 381836
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 13 ft bgs
Start Date: 12/29/1997
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 3.7 mg/kg
Last Update By: jmw
Update Date: 11/09/1998
Decode for MediumID: Soil

Substance ID.: 121374
Haz Release ID: 381837
Qty Released: unknown
Date Released: unknown
Update Date: 09/11/1998
Update By: Not reported
Substance Code: 50-32-8

INNVENTURES (Continued) **1006867151**

Substance Name: BENZO(a)PYRENE
Substance Abbrev.: Not reported
Substance Category ID: 8476
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8476
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318559
Sub Alias Name: B(a)P
Substance Alias ID: 318560
Sub Alias Name: BENZOPYRENE,3,4-
Substance Alias ID: 318561
Sub Alias Name: BENZPYRENE,3,4-
Substance Alias ID: 318562
Sub Alias Name: BP
Sampling Result ID: 340262
Feature Id: Not reported
Hazard Release Id: 381837
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 4 ft bgs
Start Date: 12/27/1997
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 3.6 mg/kg
Last Update By: jmw
Update Date: 11/09/1998
Decode for MediumID: Soil

Substance ID.: 121196
Haz Release ID: 381838
Qty Released: unknown
Date Released: unknown
Update Date: 09/11/1998
Update By: Not reported
Substance Code: 207-08-9
Substance Name: BENZO(k)FLUORANTHENE
Substance Abbrev.: Not reported
Substance Category ID: 8478
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8478
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported

INNVENTURES (Continued) **1006867151**

Created Date: 12/17/2002
Substance Alias ID: 317400
Sub Alias Name: B(k)F
Substance Alias ID: 317401
Sub Alias Name: BENZOFLUORANTHENE,11,12-
Sampling Result ID: 340263
Feature Id: Not reported
Hazard Release Id: 381838
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 14 ft bgs
Start Date: 03/19/1998
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 2.7 mg/kg
Last Update By: jmw
Update Date: 11/09/1998
Decode for MediumID: Soil

Substance ID.: 121176
Haz Release ID: 381839
Qty Released: unknown
Date Released: unknown
Update Date: 09/11/1998
Update By: Not reported
Substance Code: 193-39-5
Substance Name: INDENO(1,2,3-cd)PYRENE
Substance Abbrev.: Not reported
Substance Category ID: 8493
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8493
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317339
Sub Alias Name: PHENYLENEPYRENE,2,3-
Substance Alias ID: 317340
Sub Alias Name: PHENYLENEPYRENE,o-
Sampling Result ID: 340264
Feature Id: Not reported
Hazard Release Id: 381839
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 14 ft bgs

INNVENTURES (Continued) **1006867151**

Start Date: 03/19/1998
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 3.5 mg/kg
Last Update By: jmw
Update Date: 11/09/1998
Decode for MediumID: Soil

Narrative:

NARR ID: 5737764
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Contamination
NARR Comments: (10/1/2001 TER/VCP) For most of its history, the site was used for storage. In the first half of the 20th century, the Portland Lumber Company stored lumber piles on the site. From the late 1950s through the 1970s, scrap steel from the neighboring Schnitzer property (ECSI #875) was stockpiled on-site. Finally, between 1994 and 1995, petroleum-contaminated soils were stockpiled on-site during construction of Moody Avenue. In September 1997, PDC (the Portland Development Commission), which had acquired the site, conducted a Phase I Environmental Site Assessment at the site. Additional site characterization and a Preliminary Endangerment Assessment were completed in May 1998. The additional site characterization included soil borings, test pits, and GeoProbe holes. The studies identified petroleum hydrocarbons, polynuclear aromatic hydrocarbons (PAHs), and heavy metals in the soil. Approximately 30 cubic yards of contaminated soil were removed from the site. PDC PDC also applied to DEQ's Voluntary Cleanup Program (VCP) in June 1998 for review and oversight of its investigation. (This site was originally designated as Lot #5 of the South Waterfront Redevelopment Area. See ECSI #602 for more information.)

NARR ID: 5737765
NARR Code: Data Sources
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Data Sources
NARR Comments: Phase I Environmental Site Assessment (9/97). Site Characterization, Preliminary Endangerment Assessment and Hot Spot Removal (5/98). Remedial Investigation (1/00). Soil Management Plan (1/00).

NARR ID: 5737766
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Diesel and heavy-oil-range petroleum hydrocarbons; carcinogenic and noncarcinogenic PAHs; metals, primarily lead.

INNVENTURES (Continued) **1006867151**

NARR ID: 5737767
NARR Code: Site Location
Created By: Not reported
Created Date: 12/17/2002
Updated By: GWISTAR
Updated Date: 09/05/2003
Decode for NarcdID: Site Location
NARR Comments: SW River Parkway & Moody Ave.

NARR ID: 5737768
NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release
NARR Comments: Past operations of the Portland Lumber Company and Schnitzer may have resulted in petroleum releases. Undocumented fill material may contain contaminants.

NARR ID: 5737769
NARR Code: Pathways Other Hazards
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: The site is bordered by the Marquam Bridge to the south and the Willamette River to the east. The RiverPlace development to the north and west is a mix of commercial and high-density residential properties. Groundwater has not been significantly impacted, and the hotel serves as a cap for the remaining contaminated soil.

NARR ID: 5737770
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Remedial Action
NARR Comments: (10/1/2001 TER/VCP) The PDC began work on a remedial investigation at the site in September 1998. As part of this investigation, three monitoring wells were installed at the site. In November 1999, InnVentures, doing business as Portland Riverplace LLP, signed a Prospective Purchaser Agreement (PPA) with DEQ. InnVentures agreed to purchase the site, complete the investigation and cleanup, distribute approximately $1 million to the City of Portland for park development, and construct a 250+ room Residence Inn by Marriott at the site. In return, DEQ would limit InnVentures' future liability for pre-existing contamination at the site. The PDC completed a draft Remedial Investigation report for the site in January 2000. DEQ determined that no additional cleanup was necessary, because groundwater was not significantly impacted, and the proposed hotel would serve as a cap for the remaining soil contamination. After ensuring that soil removed from the site during construction was properly managed and disposed of (the hotel was completed in June 2001), DEQ issued a No Further Action (NFA) letter for the site in

INNVENTURES (Continued) **1006867151**

September 2001.

Administrative Action:
Action ID: 9425
Region: Northwestern Region
Complete Date: 09/10/1998
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Action ID: 9459
Region: Northwestern Region
Complete Date: 09/10/1998
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: Not reported
Comments: Not reported

Action ID: 9442
Region: Northwestern Region
Complete Date: 09/09/1998
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NEGOTIATIONS
Further Action: Not reported
Comments: Not reported

Action ID: 9440
Region: Northwestern Region
Complete Date: 09/10/1998
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Letter Agreement
Further Action: Not reported
Comments: Not reported

INNVENTURES (Continued) **1006867151**

Action ID: 9437
Region: Northwestern Region
Complete Date: 11/02/1998
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: Not reported
Comments: Not reported

Action ID: 9464
Region: Headquarters
Complete Date: 01/16/1999
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Prospective Purchaser Agreement
Further Action: 0
Comments: PPA #99-01. Portland Riverplace LLP.

Action ID: 9443
Region: Northwestern Region
Complete Date: 09/11/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: Not reported
Comments: Site land use must remain commercial rather than residential. However, DEQ has not required an institutional control with the NFA.

Action ID: 9417
Region: Headquarters
Complete Date: 01/10/2002
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility delisted from Confirmed Release List
Further Action: Not reported
Comments: Not reported

INNVENTURES (Continued) **1006867151**

Action ID: 9418
Region: Headquarters
Complete Date: 01/10/2002
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility delisted from Inventory List
Further Action: Not reported
Comments: Not reported

Action ID: 9484
Region: Northwestern Region
Complete Date: 09/11/2001
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: Not reported
Comments: Not reported

Action ID: 9498
Region: Northwestern Region
Complete Date: 11/03/1998
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9499
Region: Northwestern Region
Complete Date: 11/03/1998
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: Not reported
Comments: Not reported

Action ID: 9465

INNVENTURES (Continued) **1006867151**

Region: Northwestern Region
Complete Date: 11/19/1998
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: Not reported
Comments: Not reported

Action ID: 9467
Region: Northwestern Region
Complete Date: 11/19/1998
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: Not reported
Comments: Not reported

Action ID: 9438
Region: Headquarters
Complete Date: 02/19/1999
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: Not reported
Comments: Not reported

Action ID: 9439
Region: Headquarters
Complete Date: 02/19/1999
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: Not reported
Comments: Not reported

Action ID: 9424
Region: Northwestern Region

INNVENTURES (Continued) **1006867151**

Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 06/24/1998
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: Not reported
Comments: Not reported

Operations:
Operation Id: 133456
Operation Status: Active
Common Name: Residence Inn Ptld. Downtown Riverplace
Yrs of Operation: June 2001 to present
Comments: hotel
Updated Date: 08/14/2002
Updated By: kpd
Decode for OpstatID: Active
Operations SIC Id: 197946
SIC Code: 7011
Created By: Not reported
Created Date: 12/17/2002

VCS:
ECS Site ID: 2232
Facility Size: 1.4 acres
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 09/11/2001
End Date: 09/11/2001
Facility Status: Completed
Program: VCS
Latitude: 45.50639
Longitude: -122.6729

OR BROWNFIELDS:
Geolocation Id: 33720
Status: NO FURTHER STATE ACTION REQUIRED
Lat/Long: 45.5064 / -122.672

INNVENTURES (Continued) **1006867151**

FINDS:

Registry ID: 110014300764

Environmental Interest/Information System
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

ECHO:

Envid:	1006867151
Registry ID:	110014300764
FIPS Code:	41051
EPA Region:	10
Indian Country Flag:	N
Federal Flag:	Not reported
US Mexico Border Flag:	Not reported
Chesapeake Bay Flag:	Not reported
NAA Flag:	Not reported
Latitude:	45.50625
Longitude:	-122.67308
Map Icon:	NONE-UNK-MN-N.png
Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Reference Point:	CENTER OF A FACILITY OR STATION
Accuracy Meters:	30
Derived Tribes:	Not reported
Derived Huc:	17090012
Derived WBD:	Not reported
Derived STCT FPS:	41051
Derived Zip:	97201
Derived CD113:	03
Derived CB2010:	410510057003006
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	Not reported
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	Not reported
Programs in SNC:	0
Curr Compliance Status:	Not reported
Curr SNC Flag:	N

INNVENTURES (Continued) **1006867151**

3yr Compliance Status:	Not reported
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	Not reported
RCRA Permit Types:	Not reported
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	Not reported
RCRA Curr Compliance Status:	Not reported
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	Not reported

INNVENTURES (Continued) **1006867151**

SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110014300764
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

EB576 **SOUTH WATERFRONT REDEVELOPMENT AREA 3** **OR ECSI** **1006851219**
WSW **SW RIVER PKWY. & SW HARBOR DR.** **OR CRL** **N/A**
1/2-1 **PORTLAND, OR 97201** **OR VCP**
0.942 mi. **OR BROWNFIELDS**
4975 ft. **Site 1 of 2 in cluster EB** **FINDS**
ECHO

Relative:
Lower

Actual:
41 ft.

ECSI:

State ID Number:	2492
Brown ID:	Brownfield Site - DEQ Tech Assistance
Study Area:	False
Region ID:	2
Legislatve ID:	831
Investigation:	Listed on the CRL/Inventory
FACA ID:	43701
Further Action:	0
Lat/Long (dms):	45 30 25.20 / -122 40 29.30
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	3
Qtr Section:	Not reported
Tax Lots:	800
Size:	Not reported

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 10/24/2005
Created Date: 02/10/2000
Decode For RegionID: Northwest Region
Decode For BrownID: Brownfield Site - DEQ Technical Assistance
Decode For Furtheract: Not reported
Decode For Investstat: Listed on the CRL/Inventory
Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420
Alias Name: Portland Development Commission (PDC) Lot 3

Hazardous Release:
Substance ID.: 122015
Haz Release ID: 382516
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/18/2000
Update By: Not reported
Substance Code: ECD282
Substance Name: OIL - WASTE
Substance Abbrev.: Not reported
Substance Category ID: 8541
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8541
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Sampling Result ID: 339307
Feature Id: 0
Hazard Release Id: 382516
Medium: 703
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/18/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: Heavy Oil ND - 51,800 mg/kg
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Soil
Sampling Result ID: 347225
Feature Id: 0
Hazard Release Id: 382516
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 01/25/2000
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: MW-6 - 1.200 mg/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121982
Haz Release ID: 382517
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/18/2000
Update By: Not reported
Substance Code: ECD169
Substance Name: DIESEL - FUEL OIL
Substance Abbrev.: Not reported
Substance Category ID: 8529
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8529
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Sampling Result ID: 339308
Feature Id: 0
Hazard Release Id: 382517
Medium: 703
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/17/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: ND - 913 mg/kg
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Soil
Sampling Result ID: 347224
Feature Id: 0
Hazard Release Id: 382517
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Lab Data: True
Sample Depth: Not reported
Start Date: 01/25/2000
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: MW-6 - 1.100 mg/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121374
Haz Release ID: 382518
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/18/2000
Update By: Not reported
Substance Code: 50-32-8
Substance Name: BENZO(a)PYRENE
Substance Abbrev.: Not reported
Substance Category ID: 8476
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8476
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318559
Sub Alias Name: B(a)P
Substance Alias ID: 318560
Sub Alias Name: BENZOPYRENE,3,4-
Substance Alias ID: 318561
Sub Alias Name: BENZPYRENE,3,4-
Substance Alias ID: 318562
Sub Alias Name: BP
Sampling Result ID: 339309
Feature Id: Not reported
Hazard Release Id: 382518
Medium: 703
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/18/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 6.41 - 14.7 mg/kg
Last Update By: jmw
Update Date: 02/18/2000
Decode for MediumID: Soil
Sampling Result ID: 339310

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Feature Id: 0
Hazard Release Id: 382518
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 0.460 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater
Sampling Result ID: 347217
Feature Id: 0
Hazard Release Id: 382518
Medium: 703
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 15 ft bgs
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 14.7 mg/kg
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Soil
Sampling Result ID: 347232
Feature Id: 0
Hazard Release Id: 382518
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 01/25/2000
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: MW-4 - 0.500 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121462
Haz Release ID: 382519
Qty Released: Not reported

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Date Released: Not reported
Update Date: 02/18/2000
Update By: Not reported
Substance Code: 56-55-3
Substance Name: BENZO(a)ANTHRACENE
Substance Abbrev.: Not reported
Substance Category ID: 8475
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8475
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318790
Sub Alias Name: BENZ(a)ANTHRACENE
Substance Alias ID: 318791
Sub Alias Name: BENZANTHRACENE,1,2-
Substance Alias ID: 318792
Sub Alias Name: BENZANTHRENE
Substance Alias ID: 318793
Sub Alias Name: BENZOANTHRACENE
Substance Alias ID: 318794
Sub Alias Name: BENZPHENANTHRENE,2,3-
Substance Alias ID: 318795
Sub Alias Name: NAPHTHANTHRACENE
Substance Alias ID: 318796
Sub Alias Name: TETRAPHENE
Sampling Result ID: 339311
Feature Id: 0
Hazard Release Id: 382519
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 0.400 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater
Sampling Result ID: 347215
Feature Id: 0
Hazard Release Id: 382519
Medium: 703
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Sample Depth: Not reported
Start Date: 05/03/2000
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 5.79 mg/kg
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Soil
Sampling Result ID: 347216
Feature Id: 0
Hazard Release Id: 382519
Medium: 703
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 17 ft bgs
Start Date: 01/22/2000
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 5.790 mg/kg
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Soil

Substance ID.: 121196
Haz Release ID: 382520
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/18/2000
Update By: Not reported
Substance Code: 207-08-9
Substance Name: BENZO(k)FLUORANTHENE
Substance Abbrev.: Not reported
Substance Category ID: 8478
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8478
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317400
Sub Alias Name: B(k)F
Substance Alias ID: 317401
Sub Alias Name: BENZOFLUORANTHENE,11,12-
Sampling Result ID: 339312
Feature Id: 0
Hazard Release Id: 382520
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 0.16 ug/L
Last Update By: TROICK
Update Date: 12/08/2003
Decode for MediumID: Groundwater
Sampling Result ID: 347218
Feature Id: 0
Hazard Release Id: 382520
Medium: 703
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 15 ft bgs
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 4.19 mg/kg
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Soil
Sampling Result ID: 347234
Feature Id: 0
Hazard Release Id: 382520
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/02/2000
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: MW-6 - 0.310 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121415
Haz Release ID: 382521
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/18/2000
Update By: Not reported
Substance Code: 53-70-3
Substance Name: DIBENZO(a,h)ANTHRACENE

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Substance Abbrev.: Not reported
Substance Category ID: 8499
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8499
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318667
Sub Alias Name: DB(a,h)A
Substance Alias ID: 318668
Sub Alias Name: DIBENZ(a,h)ANTHRACENE
Substance Alias ID: 318669
Sub Alias Name: DIBENZANTHRACENE,1,2-5,6-
Substance Alias ID: 318670
Sub Alias Name: DIBENZANTHRACENE,1,2:5,6-
Sampling Result ID: 339313
Feature Id: 0
Hazard Release Id: 382521
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 0.080 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater
Sampling Result ID: 347221
Feature Id: 0
Hazard Release Id: 382521
Medium: 703
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 15 ft bgs
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 4.11 mg/kg
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Soil
Sampling Result ID: 347237
Feature Id: 0

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Hazard Release Id: 382521
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/02/2000
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: MW-6 - 0.100 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121176
Haz Release ID: 382522
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/18/2000
Update By: Not reported
Substance Code: 193-39-5
Substance Name: INDENO(1,2,3-cd)PYRENE
Substance Abbrev.: Not reported
Substance Category ID: 8493
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8493
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317339
Sub Alias Name: PHENYLENEPYRENE,2,3-
Substance Alias ID: 317340
Sub Alias Name: PHENYLENEPYRENE,o-
Sampling Result ID: 339314
Feature Id: 0
Hazard Release Id: 382522
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 0.220 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Decode for MediumID: Groundwater
Sampling Result ID: 347222
Feature Id: 0
Hazard Release Id: 382522
Medium: 703
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 15 ft bgs
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 10.1 mg/kg
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Soil
Sampling Result ID: 347240
Feature Id: 0
Hazard Release Id: 382522
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/02/2000
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: MW-6 - 0.280 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121668
Haz Release ID: 382523
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/18/2000
Update By: Not reported
Substance Code: 7440-43-9
Substance Name: CADMIUM
Substance Abbrev.: Not reported
Substance Category ID: 8460
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8460
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Substance Alias ID: 319291
Sub Alias Name: CD
Sampling Result ID: 339315
Feature Id: Not reported
Hazard Release Id: 382523
Medium: 698
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 26.2 ug/L
Last Update By: jmw
Update Date: 02/18/2000
Decode for MediumID: Groundwater

Substance ID.: 121671
Haz Release ID: 382524
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/18/2000
Update By: Not reported
Substance Code: 7440-47-3
Substance Name: CHROMIUM
Substance Abbrev.: Not reported
Substance Category ID: 8462
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8462
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 318145
Sub Alias Name: CHROMIUM, INORGANIC
Substance Alias ID: 319294
Sub Alias Name: CHROMIUM, TOTAL
Sampling Result ID: 339316
Feature Id: Not reported
Hazard Release Id: 382524
Medium: 698
Substance Abbrev.: Not reported
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/18/1999
End Date: Not reported
Min Concentration: Not reported

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Max Concentration: Not reported
Sample Comment: 144 - 351 ug/L
Last Update By: jmw
Update Date: 02/18/2000
Decode for MediumID: Groundwater

Substance ID.: 121639
Haz Release ID: 382525
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/18/2000
Update By: Not reported
Substance Code: 7439-92-1
Substance Name: LEAD
Substance Abbrev.: Not reported
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8466
Substance Category: Inorganics
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319256
Sub Alias Name: PB
Sampling Result ID: 339317
Feature Id: 0
Hazard Release Id: 382525
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/17/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 35.6 - 5600 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater
Sampling Result ID: 347223
Feature Id: 0
Hazard Release Id: 382525
Medium: 703
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 10 ft bgs
Start Date: 11/19/2000
End Date: Not reported

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 1260 mg/kg
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Soil
Sampling Result ID: 347229
Feature Id: 0
Hazard Release Id: 382525
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 05/02/2000
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: MW-4 - 656.0 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121192
Haz Release ID: 385863
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/27/2003
Update By: JWAGGY
Substance Code: 205-99-2
Substance Name: BENZO(b)FLUORANTHENE
Substance Abbrev.: Not reported
Substance Category ID: 8477
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8477
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317390
Sub Alias Name: B(b)F
Substance Alias ID: 317391
Sub Alias Name: BENZ(e)ACEPHENANTHRYLENE
Substance Alias ID: 317392
Sub Alias Name: BENZFLUORANTHENE,3,4-
Substance Alias ID: 317393
Sub Alias Name: BENZOFLUORANTHENE,2,3-
Substance Alias ID: 317394
Sub Alias Name: BENZOFLUORANTHENE,3,4-
Sampling Result ID: 347219
Feature Id: 0
Hazard Release Id: 385863

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Medium: 703
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 15 ft bgs
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 15.7 mg/kg
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Soil
Sampling Result ID: 347233
Feature Id: 0
Hazard Release Id: 385863
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: False
Sample Depth: Not reported
Start Date: 05/02/2000
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: MW-6 - 0.490 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121210
Haz Release ID: 385864
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/27/2003
Update By: JWAGGY
Substance Code: 218-01-9
Substance Name: CHRYSENE
Substance Abbrev.: Not reported
Substance Category ID: 8481
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8481
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317438
Sub Alias Name: BENZ(a)PHENANTHRENE
Substance Alias ID: 317439
Sub Alias Name: BENZPHENANTHRENE,1,2-

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Substance Alias ID: 317440
Sub Alias Name: DIBENZONAPHTHALENE,1,2,5,6-
Sampling Result ID: 347220
Feature Id: 0
Hazard Release Id: 385864
Medium: 703
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 15 ft bgs
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 6.61 mg/kg
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Soil
Sampling Result ID: 347236
Feature Id: 0
Hazard Release Id: 385864
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: PB-8 - 0.410 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121587
Haz Release ID: 385865
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/27/2003
Update By: JWAGGY
Substance Code: 67-64-1
Substance Name: ACETONE
Substance Abbrev.: Not reported
Substance Alias ID: 319114
Sub Alias Name: DIMETHYL KETONE
Substance Alias ID: 319115
Sub Alias Name: KETOPROPANE,beta-
Substance Alias ID: 319116
Sub Alias Name: PROPANONE,2-
Substance Alias ID: 319117
Sub Alias Name: PYROACETIC ETHER
Sampling Result ID: 347226

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Feature Id: 0
Hazard Release Id: 385865
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 01/25/2000
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: MW-5 - 71.0 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121956
Haz Release ID: 385866
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/27/2003
Update By: JWAGGY
Substance Code: 99-87-6
Substance Name: ISOPROPYLTOLUENE,p-
Substance Abbrev.: Not reported
Substance Alias ID: 318126
Sub Alias Name: BENZENE,1-ISOPROPYL-4-METHYL-
Substance Alias ID: 318127
Sub Alias Name: CUMENE,p-METHYL-
Substance Alias ID: 318128
Sub Alias Name: CYMENE
Substance Alias ID: 318129
Sub Alias Name: CYMENE,p-
Substance Alias ID: 318130
Sub Alias Name: CYMOL
Substance Alias ID: 318131
Sub Alias Name: DOLCYMENE
Substance Alias ID: 318132
Sub Alias Name: ISOPROPYL-1-METHYLBENZENE,4-
Substance Alias ID: 318133
Sub Alias Name: PARACYMENE
Sampling Result ID: 347227
Feature Id: 0
Hazard Release Id: 385866
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 01/25/2000
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Sample Comment: MW-2 - 24.9 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121694
Haz Release ID: 385867
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/27/2003
Update By: JWAGGY
Substance Code: 75-09-2
Substance Name: METHYLENE CHLORIDE
Substance Abbrev.: Not reported
Substance Category ID: 8518
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8518
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 319341
Sub Alias Name: DICHLOROMETHANE
Substance Alias ID: 319342
Sub Alias Name: METHANE DICHLORIDE
Substance Alias ID: 319343
Sub Alias Name: METHYLENE BICHLORIDE
Substance Alias ID: 319344
Sub Alias Name: METHYLENE DICHLORIDE
Sampling Result ID: 347228
Feature Id: 0
Hazard Release Id: 385867
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: 50 ft bgs
Start Date: 05/16/2001
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 24.0 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121815
Haz Release ID: 385868
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/27/2003
Update By: JWAGGY

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Substance Code: 83-32-9
Substance Name: ACENAPHTHENE
Substance Abbrev.: Not reported
Substance Category ID: 8471
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8471
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317621
Sub Alias Name: DIHYDROACENAPHTHYLENE,1,2-
Substance Alias ID: 317622
Sub Alias Name: ETHYLENENAPHTHALENE,1,8-
Substance Alias ID: 317623
Sub Alias Name: PERIETHYLENENAPHTHALENE
Sampling Result ID: 347230
Feature Id: 0
Hazard Release Id: 385868
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: PB-8 - 0.260 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 120952
Haz Release ID: 385869
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/27/2003
Update By: JWAGGY
Substance Code: 120-12-7
Substance Name: ANTHRACENE
Substance Abbrev.: Not reported
Substance Category ID: 8473
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8473
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Substance Alias ID: 316696
Sub Alias Name: ANTHRACIN
Substance Alias ID: 316697
Sub Alias Name: GREEN OIL
Substance Alias ID: 316698
Sub Alias Name: PARANAPTHALENE
Substance Alias ID: 316699
Sub Alias Name: TETRA OLIVE N2G
Sampling Result ID: 347231
Feature Id: 0
Hazard Release Id: 385869
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: PB-8 - 0.260 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121167
Haz Release ID: 385870
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/27/2003
Update By: JWAGGY
Substance Code: 191-24-2
Substance Name: BENZO(ghi)PERYLENE
Substance Abbrev.: Not reported
Substance Alias ID: 317305
Sub Alias Name: B(ghi)P
Substance Alias ID: 317306
Sub Alias Name: BENZOPERYLENE,1,12-
Substance Alias ID: 317307
Sub Alias Name: BENZPERYLENE,1,12-
Sampling Result ID: 347235
Feature Id: 0
Hazard Release Id: 385870
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: PB-8 - 0.260 ug/L

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121195
Haz Release ID: 385871
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/27/2003
Update By: JWAGGY
Substance Code: 206-44-0
Substance Name: FLUORANTHENE
Substance Abbrev.: Not reported
Substance Category ID: 8491
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8491
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317398
Sub Alias Name: BENZACENAPHTHENE,1,2-
Substance Alias ID: 317399
Sub Alias Name: BENZO(jk)FLUORENE
Sampling Result ID: 347238
Feature Id: 0
Hazard Release Id: 385871
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: PB-8 - 0.710 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121829
Haz Release ID: 385872
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/27/2003
Update By: JWAGGY
Substance Code: 86-73-7
Substance Name: FLUORENE
Substance Abbrev.: Not reported
Substance Category ID: 8489
Substance Category: Semi-volatiles

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8489
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317663
Sub Alias Name: BIPHENYLENEMETHANE,o-
Substance Alias ID: 317664
Sub Alias Name: DIPHENYLENEMETHANE
Substance Alias ID: 317665
Sub Alias Name: METHYLENEBIPHENYL,2,2'-
Sampling Result ID: 347239
Feature Id: 0
Hazard Release Id: 385872
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: PB-8 - 0.380 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121868
Haz Release ID: 385873
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/27/2003
Update By: JWAGGY
Substance Code: 91-20-3
Substance Name: NAPHTHALENE
Substance Abbrev.: Not reported
Substance Category ID: 8494
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8494
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317793
Sub Alias Name: MOTH BALLS
Substance Alias ID: 317794
Sub Alias Name: NAPHTHENE
Substance Alias ID: 317795

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Sub Alias Name: TAR CAMPHOR
Sampling Result ID: 347241
Feature Id: 0
Hazard Release Id: 385873
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 01/25/2000
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: MW-4 - 1.050 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121824
Haz Release ID: 385874
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/27/2003
Update By: JWAGGY
Substance Code: 85-01-8
Substance Name: PHENANTHRENE
Substance Abbrev.: Not reported
Substance Alias ID: 317648
Sub Alias Name: PHENATHRIN
Sampling Result ID: 347242
Feature Id: 0
Hazard Release Id: 385874
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: PB-8 - 1.31 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Substance ID.: 121019
Haz Release ID: 385875
Qty Released: Not reported
Date Released: Not reported
Update Date: 02/27/2003
Update By: JWAGGY
Substance Code: 129-00-0

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Substance Name: PYRENE
Substance Abbrev.: Not reported
Substance Category ID: 8497
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8497
Substance Category: Semi-volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 316950
Sub Alias Name: BENZO(def)PHENANTHRENE
Sampling Result ID: 347243
Feature Id: 0
Hazard Release Id: 385875
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: 11/19/1999
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: PB-8 - 1.06 ug/L
Last Update By: JWAGGY
Update Date: 02/27/2003
Decode for MediumID: Groundwater

Narrative:
NARR ID: 5739088
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: TROICK
Updated Date: 07/07/2005
Decode for NarcdID: Contamination
NARR Comments: Remedial Investigation (RI) for lot 3 indicates low to moderate petroleum contamination in soil and groundwater.

NARR ID: 5739089
NARR Code: Data Sources
Created By: Not reported
Created Date: 12/17/2002
Updated By: TROICK
Updated Date: 07/07/2005
Decode for NarcdID: Data Sources
NARR Comments: Remedial Investigation Lot #3 South Waterfront Redevelopment Area, October 2002.

NARR ID: 5743016
NARR Code: Hazardous Substance/Waste Types
Created By: JWAGGY
Created Date: 02/27/2003

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Updated By: JWAGGY
Updated Date: 02/27/2003
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Diesel and heavy oil-range petroleum hydrocarbons; carcinogenic and non-carcinogenic PAHs; metals, primarily lead.

NARR ID: 5746808
NARR Code: Project Issues Summary
Created By: TROICK
Created Date: 07/11/2005
Updated By: TROICK
Updated Date: 07/11/2005
Decode for NarcdID: Project Issues Summary
NARR Comments: South Waterfront Lot # 3 is adjacent to the RiverPlace development located at SW. Harbor Drive and River Parkway, in downtown Portland. In the early 1900s the Portland Lumber Company occupied part of Lot #3. The area has since been built up over time with undocumented fill including soil, wood waste, and other refuse. The site is currently vacant, but is slated for development. The Portland Development Commission (PDC) joined the Voluntary cleanup Program in December 1999, and conducted soil and groundwater site investigation activities. A remedial investigation and risk assessment was completed by the PDC in October 2002 to evaluate concentrations of contaminants in soil and groundwater at the property. The main contaminants of concern are petroleum hydrocarbons, polynuclear aromatic hydrocarbons, and lead, and the highest concentrations detected are in a black-stained layer of soil 14 to 25 feet beneath the site. The risk assessment indicates that contaminants are below concentrations that pose a significant risk to human health unless contaminated soil below 10 feet is excavated during future site development. Shallow groundwater beneath the site is not used and contaminants in groundwater have not migrated significantly off-site. To address soil and groundwater concerns DEQ completed a Record of Decision January 2004 recommending an easement on the property that requires engineering and worker health and safety protections during site development, and offsite disposal at a permitted facility of any contaminated soil excavated below 10 feet. Groundwater use will be restricted through the easement. STATUSDEQ and Portland Development Commission are preparing the Easement and Equitable Servitude for the site remedy.

NARR ID: 5739090
NARR Code: Site Location
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Site Location
NARR Comments: Lot 3 is bordered by SW River Parkway (North), SW Harbor Way (East) and SW Moody Avenue (West).

NARR ID: 5743015
NARR Code: Manner of Release
Created By: JWAGGY
Created Date: 02/27/2003
Updated By: TROICK
Updated Date: 07/07/2005

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Decode for NarcdID: Manner of Release
NARR Comments: Past operations of the Portland Lumber Company and adjacent Schnitzer may have resulted in petroleum releases. Undocumented fill material may contain contamination.

NARR ID: 5744187
NARR Code: Media Contamination
Created By: JWAGGY
Created Date: 09/16/2003
Updated By: JWAGGY
Updated Date: 09/16/2003
Decode for NarcdID: Media Contamination
NARR Comments: Soil and groundwater.

NARR ID: 5743017
NARR Code: Pathways Other Hazards
Created By: JWAGGY
Created Date: 02/27/2003
Updated By: JWAGGY
Updated Date: 02/27/2003
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: The site is currently vacant. Future development could result in construction worker exposure to contaminants in soil. The Willamette River is approximately .25 mile east of the site, but contaminants in groundwater do not appear to be migrating off-site.

NARR ID: 5739091
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: GWISTAR
Updated Date: 03/02/2005
Decode for NarcdID: Remedial Action
NARR Comments: (2/10/00 JMW/SAP) Chose Independent Cleanup Pathway (ICP) for NFA determination. Adjacent site in the Voluntary Cleanup Program (South Waterfront, Lot 5). NFA for Lot 5 is currently under a 30-day public notice and comment process. Lot 3 will be used for construction staging by developers of Residence Inn by Marriott on Lot 5. Requested ICP to determine if additional soil/groundwater sampling and analysis is needed for NFA status. (6/12/01 TER/VCP) Based on the need for a complete remedial investigation, the project was transferred from ICP to VCP. PDC is conducting additional soil and groundwater sampling to complete the site characterization. (11/5/02 TER/VCP) A Remedial Investigation Report with Risk Assessment was submitted to DEQ in October 2002. Petroleum hydrocarbon contamination presents an unacceptable risk only if site work or redevelopment is conducted below 10 feet. DEQ is preparing a Staff Report, recommending an easement as an institutional control to ensure future development and site use address the identified exposure risks. (4/5/04 TER/VCP) DEQ signed the Record of Decision 1/28/04. An easement has been drafted for review by the Portland Development Commission.

NARR ID: 5739092
NARR Code: Health Threats
Created By: Not reported
Created Date: 12/17/2002

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Health Threats
NARR Comments: Potential human exposure to contaminants through inhalation, ingestion or direct contact with contaminated soil.

Administrative Action:
Action ID: 9413
Region: Northwestern Region
Complete Date: 12/27/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/11/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Closeout activities on completed project
Further Action: 0
Comments: Not reported

Action ID: 9486
Region: Northwestern Region
Complete Date: 10/16/2002
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: RISK ASSESSMENT
Further Action: Not reported
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 11/09/2000
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: Not reported
Comments: Not reported

Action ID: 9440
Region: Northwestern Region
Complete Date: 11/09/2000
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Action Code Flag: False
Action: Letter Agreement
Further Action: Not reported
Comments: Project transferred from ICP to VCP.

Action ID: 9484
Region: Northwestern Region
Complete Date: 10/16/2002
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: Not reported
Comments: Not reported

Action ID: 9424
Region: Northwestern Region
Complete Date: 02/10/2000
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9435
Region: Northwestern Region
Complete Date: 11/09/2000
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Independent Cleanup Program
Further Action: Not reported
Comments: Requested SSTC/ICP.

Action ID: 9494
Region: Northwestern Region
Complete Date: 01/28/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/07/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Action: RECORD OF DECISION
Further Action: 0
Comments: Not reported

Action ID: 9498
Region: Northwestern Region
Complete Date: 07/03/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/03/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: 0
Comments: Not reported

Action ID: 9459
Region: Northwestern Region
Complete Date: 11/09/2000
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/03/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: 0
Comments: Not reported

Action ID: 9499
Region: Northwestern Region
Complete Date: 07/03/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/03/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: 0
Comments: Not reported

Action ID: 9465
Region: Northwestern Region
Complete Date: 09/16/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/16/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Further Action: 0
Comments: Not reported

Action ID: 9467
Region: Northwestern Region
Complete Date: 09/16/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/16/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: 0
Comments: Not reported

Action ID: 9428
Region: Northwestern Region
Complete Date: 10/16/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/21/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Extension requested by owner/operator
Further Action: 0
Comments: 45 day extension requested from Mr. Robert VanVickle.

Action ID: 9430
Region: Northwestern Region
Complete Date: 10/16/2003
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/21/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Petition or request granted
Further Action: 0
Comments: Comment period extended. Comments due 25-FEB-04.

Action ID: 9437
Region: Northwestern Region
Complete Date: 02/25/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/01/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: 0

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Comments: Not reported

Action ID: 9438
Region: Northwestern Region
Complete Date: 04/01/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/01/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9439
Region: Northwestern Region
Complete Date: 04/01/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/01/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: 0
Comments: Not reported

Action ID: 9469
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 04/05/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL ACTION
Further Action: 0
Comments: Soil removalNegotiation of the Easement and Equitable Servitude

Operations:
Operation Id: 133697
Operation Status: Inactive
Common Name: South Waterfront Redevelopment
Yrs of Operation: Not reported
Comments: Not reported
Updated Date: 02/18/2000
Updated By: jmw
Decode for OpstatID: Inactive

CRL:
Facility ID: 2492
Location ID: 43701

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Status Code: LIS
Facility Status: Closeout activities on completed project
Lat/Long: 45.507 / -122.6748

VCS:
ECS Site ID: 2492
Facility Size: Not reported
Action: Closeout activities on completed project
Start Date: 12/27/2013
End Date: 12/27/2013
Facility Status: Completed
Program: VCP
Latitude: 45.50699
Longitude: -122.6748

OR BROWNFIELDS:
Geolocation Id: 43701
Status: Closeout activities on completed project
Lat/Long: 45.507 / -122.674

FINDS:

Registry ID: 110014131493

Environmental Interest/Information System
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

ECHO:
Envid: 1006851219
Registry ID: 110014131493
FIPS Code: 41051
EPA Region: 10
Indian Country Flag: N
Federal Flag: Not reported
US Mexico Border Flag: Not reported
Chesapeake Bay Flag: Not reported
NAA Flag: Not reported
Latitude: 45.5074
Longitude: -122.67589
Map Icon: NONE-UNK-MN-N.png
Collection Method: ADDRESS MATCHING-NEAREST INTERSECTION
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Accuracy Meters: 200
Derived Tribes: Not reported
Derived Huc: 17090012
Derived WBD: 170900120202
Derived STCT FPS: 41051
Derived Zip: 97201
Derived CD113: 03

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

Derived CB2010:	410510057003012
Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	Not reported
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	Not reported
Programs in SNC:	0
Curr Compliance Status:	Not reported
Curr SNC Flag:	N
3yr Compliance Status:	Not reported
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported

SOUTH WATERFRONT REDEVELOPMENT AREA 3 (Continued) **1006851219**

CWA Qtrs in NC:	Not reported
CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	Not reported
RCRA Permit Types:	Not reported
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	Not reported
RCRA Curr Compliance Status:	Not reported
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	Not reported
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110014131493
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

EB577 **SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 B&C** **OR ECSI** **S107421126**
WSW **SW RIVER DRIVE** **OR CRL** **N/A**
1/2-1 **PORTLAND, OR 97201** **OR ENG CONTROLS**
0.944 mi. **OR INST CONTROL**
4982 ft. **Site 2 of 2 in cluster EB** **OR VCP**
OR BROWNFIELDS

Relative:
Lower

Actual:
33 ft.

ECSI:

State ID Number:	4420
Brown ID:	Brownfield Site - DEQ Tech Assistance
Study Area:	False
Region ID:	2
Legislatve ID:	831
Investigation:	Listed on the CRL/Inventory
FACA ID:	90497
Further Action:	0
Lat/Long (dms):	45 30 30.20 / -122 40 29.60
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	981769474
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	3
Qtr Section:	Not reported
Tax Lots:	500, 600 and 1200
Size:	Not reported
NPL:	False
Orphan:	False
Updated By:	MGREENB
Update Date:	12/06/2007
Created Date:	05/25/2005
Decode For RegionID:	Northwest Region
Decode For BrownID:	Brownfield Site - DEQ Technical Assistance
Decode For Furtheract:	Not reported
Decode For Investstat:	Listed on the CRL/Inventory
Decode For Legislative:	Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

Alias Name: Lincoln Steam Plant
Alias Name: Pacific Power & Light - SW Lincoln St.
Alias Name: Portland Development Commission (PDC)
Alias Name: PP&L
Alias Name: Pacificorp
Alias Name: South Waterfront Redevelopment Area

Narrative:

NARR ID:	5747365
NARR Code:	General Site Description
Created By:	TROICK
Created Date:	10/19/2005
Updated By:	JWAGGY
Updated Date:	02/09/2007
Decode for NarcdID:	General Site Description

NARR Comments: (10/19/05 TER/VCP) The project file for ECSI #602, the original South Waterfront Redevelopment Area, contains background information, actions, and narratives but has been divided into six sites in ECSI based on changes in tax lot boundaries, differences in development, ownership, and long-term management requirements. Those sites are:#4420 South Waterfront at RiverPlace, Parcel 2 Areas B&C -

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 B&C (Continued) **S107421126**

Stanford's restaurant, RiverPlace Square apartments, retail space and associated parking structure, Tax Lots 500, 600, and 1200.#4421 South Waterfront at RiverPlace, Parcel 2 Area A - SW River Drive and SW River Parkway roadways and associated storm drain system (no tax lot).#4422 South Waterfront Park - borders the Willamette River, originally part of Area D, Parcel 3A and 3B, Tax Lot 102. #4423 South Waterfront Parcel 3B - developed as the ***PGT building,*** and now occupied by other tenants; Tax Lot 300.#4424 South Waterfront RiverPlace Lot 8 - at the NE corner of the intersection of SW River Drive and SW River Parkway, formerly a part of Area D, Parcel 3B; Tax Lot 200.#4757 South Waterfront Redevelopment Area, Parcel 1 - the former Lincoln Steam Plant, orginally titled Area D, Parcel 3A. It is now The Strand condominium towers, Tax Lot 101.Also see ECSI #2232 InnVentures, (Lot 5) and ECSI #2492, South Waterfront Lot 3, for adjacent site information.In 1988, the Portland Development Commission (PDC) entered into a Voluntary Agreement with DEQ to conduct a Remedial Investigation and Feasibility Study (RI/FS) at the ***South Waterfront Redevelopment Area*** site. For purposes of the investigation, the property was divided into Parcels 2 and 3. Parcel 3A was the site of the former Lincoln Steam Plant. In October 1989, after completion of the first phase of the investigation, DEQ approved a PDC proposal that would allow roads and structures constructed on Parcel 2 to function as a protective cap. Parcel 2 Areas B&C were developed and purchased by Trammel Crow Residential in 1994. DEQ issued a No Further Action for Parcel 3B in 1994, a portion of which was developed as the ***PGT building.*** The RI/FS for Parcel 3A was completed in 1998. South Waterfront Park resulted from improvements for extension of a greenway along the waterfront. Parcel 3A (now Parcel 1) will be developed as condominium towers. PDC will address asbestos on the undeveloped portion of Parcel 3B (Lot 8) for future redevelopment.

Site Control:

Site Control #:	407
Control Number:	36
Begin Date:	03/06/1995
End Date:	Not reported
Frequency Of Review:	60
Last Reviewed By:	TER
Last Reviewed Date:	08/05/1999
Last Update By:	TROICK
Last Updated Date:	10/19/2005
Site Comment:	Development acts as a cap over contaminated soil [Stanford's restaurant, RiverPlace Square apartments and retail, associated parking structure].

Site Control #:	408
Control Number:	13
Begin Date:	10/12/1989
End Date:	Not reported
Frequency Of Review:	0
Last Reviewed By:	TER
Last Reviewed Date:	Not reported
Last Update By:	TROICK
Last Updated Date:	10/19/2005
Site Comment:	October 12, 1989 addendum to Agreement No. ECSR-NWR-88-04, recorded with Multnomah County for the property. Requires installation of engineering controls, construction certification, long-term

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 B&C (Continued) **S107421126**

maintenance and reporting.

Administrative Action:
Action ID: 9444
Region: 0
Complete Date: 12/01/1992
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/17/2013
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: No Further Remedial Action Planned under Federal program
Further Action: 0
Comments: Not reported

Action ID: 9424
Region: Not reported
Complete Date: 05/25/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/25/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9421
Region: 0
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2005
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: Site added to CERCLIS
Further Action: 0
Comments: Not reported

Action ID: 9498
Region: 0
Complete Date: 02/25/1991
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: 0
Comments: Not reported

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 B&C (Continued) **S107421126**

Action ID: 9425
Region: Headquarters
Complete Date: 10/13/1988
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: 0
Comments: Not reported

Action ID: 9480
Region: Headquarters
Complete Date: 10/13/1988
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Federal Preliminary Assessment recommended
Further Action: 0
Comments: Not reported

Action ID: 9456
Region: Headquarters
Complete Date: 12/19/1988
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: BASIC PRELIMINARY ASSESSEMENT
Further Action: 0
Comments: Federal.

Action ID: 9412
Region: Headquarters
Complete Date: 12/15/1988
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Consent Order
Further Action: 0
Comments: Not reported

Action ID: 9484

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 B&C (Continued) **S107421126**

Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: 0
Comments: Not reported

Action ID: 9422
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Engineering Control
Further Action: 0
Comments: Parcel 2 roads and structures operate as a protective cap.

Action ID: 9434
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Institutional Control
Further Action: 0
Comments: Deed restriction for Parcel 2.

Action ID: 9437
Region: Northwestern Region
Complete Date: 08/01/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: 0
Comments: Not reported

Action ID: 9499
Region: Northwestern Region

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 B&C (Continued) **S107421126**

Complete Date: 08/01/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: 0
Comments: Not reported

Action ID: 9465
Region: Northwestern Region
Complete Date: 08/31/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9467
Region: Northwestern Region
Complete Date: 08/31/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: 0
Comments: Not reported

Action ID: 9448
Region: Northwestern Region
Complete Date: 02/25/1991
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/16/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Review for final listing
Further Action: 0
Comments: Not reported

Action ID: 9438
Region: 0
Complete Date: 04/29/1991

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 B&C (Continued) **S107421126**

Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9439
Region: 0
Complete Date: 04/29/1991
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: 0
Comments: Not reported

Action ID: 9450
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: OPERATION and MAINTENANCE
Further Action: 0
Comments: Not reported

CRL:
Facility ID: 4420
Location ID: 90497
Status Code: LIS
Facility Status: OPERATION & MAINTENANCE
Lat/Long: 45.5084 / -122.6749

OR ENG CONTROL:
Site Control Sequence #: 407
Site Id: 4420
Control Sequence #: 36
Begin Date: 03/06/1995
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: TER
Last Review Date: 08/05/1999
Last Updated By: TROICK

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 B&C (Continued) **S107421126**

Last Updated Date: 10/19/2005
Group Sequence #: 9
Control Code: CPE
Control Description: Cap, engineered
FK Type Code: 2
Group Code: SB
Group Description: Surface Barriers
Type Code: E
Type Description: Engineering
Comments: Development acts as a cap over contaminated soil [Stanford's restaurant, RiverPlace Square apartments and retail, associated parking structure].

OR INSTUTIONAL CONTROL:
Site Control Sequence #: 408
Site Id: 4420
Control Sequence #: 13
Begin Date: 10/12/1989
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: TER
Last Review Date: Not reported
Last Updated By: TROICK
Last Updated Date: 10/19/2005
Group Sequence #: 4
Control Code: CD
Control Description: Consent Decree
FK Type Code: 1
Group Code: SET
Group Description: Statutory Enforcment Tools
Type Code: I
Type Description: Institutional
Comments: October 12, 1989 addendum to Agreement No. ECSR-NWR-88-04, recorded with Multnomah County for the property. Requires installation of engineering controls, construction certification, long-term maintenance and reporting.

VCS:
ECS Site ID: 4420
Facility Size: Not reported
Action: OPERATION & MAINTENANCE
Start Date: 12/06/2007
End Date: Not reported
Facility Status: Active
Program: VCS
Latitude: 45.50840
Longitude: -122.6748

OR BROWNFIELDS:
Geolocation Id: 90497
Status: OPERATION & MAINTENANCE
Lat/Long: 45.5084 / -122.674

EC578 **SOUTH WATERFRONT RIVERPLACE LOT 8** **OR ECSI** **S106966553**
WSW **SW RIVER PARKWAY/SW RIVER DR. (NE CORNER)** **OR CRL** **N/A**
1/2-1 **PORTLAND, OR 97201** **OR ENG CONTROLS**
0.947 mi. **OR INST CONTROL**
5002 ft. **Site 1 of 2 in cluster EC** **OR VCP**
OR BROWNFIELDS

Relative:
Lower

Actual:
27 ft.

ECSI:

State ID Number:	4424
Brown ID:	Brownfield Site - DEQ Tech Assistance
Study Area:	False
Region ID:	2
Legislatve ID:	831
Investigation:	Listed on the CRL/Inventory
FACA ID:	90501
Further Action:	0
Lat/Long (dms):	45 30 26.60 / -122 40 25.00
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	3
Qtr Section:	Not reported
Tax Lots:	200
Size:	Not reported
NPL:	False
Orphan:	False
Updated By:	JWAGGY
Update Date:	05/10/2007
Created Date:	05/25/2005
Decode For RegionID:	Northwest Region
Decode For BrownID:	Brownfield Site - DEQ Technical Assistance
Decode For Furtheract:	Not reported
Decode For Investstat:	Listed on the CRL/Inventory
Decode For Legislative:	Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

Alias Name: South Waterfront Redevelopment Area, Parcel 3B
Alias Name: Portland Development Commission (PDC)

Hazardous Release:

Substance ID.:	121053
Haz Release ID:	386896
Qty Released:	Not reported
Date Released:	Not reported
Update Date:	09/19/2006
Update By:	MGREENB
Substance Code:	1332-21-4
Substance Name:	ASBESTOS
Substance Abbrev.:	Not reported

Narrative:

NARR ID:	5746796
NARR Code:	Contamination
Created By:	TROICK
Created Date:	07/06/2005
Updated By:	TROICK
Updated Date:	07/06/2005

SOUTH WATERFRONT RIVERPLACE LOT 8 (Continued) **S106966553**

Decode for NarcdID: Contamination
NARR Comments: Asbestos, petroleum hydrocarbons

NARR ID: 5746797
NARR Code: Data Sources
Created By: TROICK
Created Date: 07/06/2005
Updated By: TROICK
Updated Date: 07/06/2005
Decode for NarcdID: Data Sources
NARR Comments: Record of Decision Selected Remedial Action for the South Waterfront Redevelopment Area Parcel 3, July 1998. Analysis of Asbestos Remedial Alternatives, May 18, 2005.

NARR ID: 5747369
NARR Code: General Site Description
Created By: TROICK
Created Date: 10/19/2005
Updated By: MGREENB
Updated Date: 09/25/2007
Decode for NarcdID: General Site Description
NARR Comments: (10/19/05 TER/VCP) The project file for ECSI #602, the original South Waterfront Redevelopment Area, contains background information, actions, and narratives but has been divided into six sites in ECSI based on changes in tax lot boundaries, differences in development, ownership, and long-term management requirements. Those sites are:#602 South Waterfront Redevelopment Area, Parcel 1 - the former Lincoln Steam Plant, orginally titled Area D, Parcel 3A. It is now The Strand condominium towers, Tax Lot 101.#4420 South Waterfront at RiverPlace, Parcel 2 Areas B&C - Stanford's restaurant, RiverPlace Square apartments, retail space and associated parking structure, Tax Lots 500, 600, and 1200.#4421 South Waterfront at RiverPlace, Parcel 2 Area A - SW River Drive and SW River Parkway roadways and associated storm drain system (no tax lot).#4422 South Waterfront Park - borders the Willamette River, originally part of Area D, Parcel 3A and 3B, Tax Lot 102. #4423 South Waterfront Parcel 3B - developed as the ***PGT building,*** and now occupied by other tenants; Tax Lot 300.#4424 South Waterfront RiverPlace Lot 8 - at the NE corner of the intersection of SW River Drive and SW River Parkway, formerly a part of Area D, Parcel 3B; Tax Lot 200.Also see ECSI #2232 InnVentures, (Lot 5) and ECSI #2492, South Waterfront Lot 3, for adjacent site information.In 1988, the Portland Development Commission (PDC) entered into a Voluntary Agreement with DEQ to conduct a Remedial Investigation and Feasibility Study (RI/FS) at the ***South Waterfront Redevelopment Area*** site. For purposes of the investigation, the property was divided into Parcels 2 and 3. Parcel 3A was the site of the former Lincoln Steam Plant. In October 1989, after completion of the first phase of the investigation, DEQ approved a PDC proposal that would allow roads and structures constructed on Parcel 2 to function as a protective cap. Parcel 2 Areas B&C were developed and purchased by Trammel Crow Residential in 1994. DEQ issued a No Further Action for Parcel 3B in 1994, a portion of which was developed as the ***PGT building.*** The RI/FS for Parcel 3A was completed in 1998. South Waterfront Park resulted from improvements for extension of a greenway along the waterfront. Parcel 3A (now Parcel 1) will be developed as condominium towers. PDC will address asbestos on the undeveloped portion of Parcel 3B (Lot 8) for

SOUTH WATERFRONT RIVERPLACE LOT 8 (Continued) **S106966553**

future redevelopment.

NARR ID: 5746798
NARR Code: Hazardous Substance/Waste Types
Created By: TROICK
Created Date: 07/06/2005
Updated By: TROICK
Updated Date: 07/06/2005
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Asbestos was buried on-site as part of South Waterfront Redevelopment. Petroleum hydrocarbons are present from past practices. Not reported

NARR ID: 5748643
NARR Code: Media Contamination
Created By: MGREENB
Created Date: 09/19/2006
Updated By: MGREENB
Updated Date: 09/26/2007
Decode for NarcdID: Media Contamination
NARR Comments: Soil, groundwater (from neighboring sources).

NARR ID: 5748644
NARR Code: Pathways Other Hazards
Created By: MGREENB
Created Date: 09/19/2006
Updated By: MGREENB
Updated Date: 09/19/2006
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Air (if overburden is removed and cement coating containing asbestos were disturbed).

NARR ID: 5746800
NARR Code: Remedial Action
Created By: TROICK
Created Date: 07/06/2005
Updated By: TROICK
Updated Date: 12/27/2005
Decode for NarcdID: Remedial Action
NARR Comments: (7/6/05 TER/VCP) Portland Development Commission is proposing to remove the buried asbestos debris prior to site development as part of an EPA Brownfields grant. PDC completed a feasibility study to assess options for management of the asbestos debris.

NARR ID: 5746799
NARR Code: Institutional Control
Created By: TROICK
Created Date: 07/06/2005
Updated By: MGREENB
Updated Date: 09/26/2007
Decode for NarcdID: Institutional Control
NARR Comments: Deed Notice 6/13/94 for asbestos - eventually supplanted in 2007 by and Easement and Equitable Servitude (E&ES) which restricted disturbance of asbestos areas and required evaluation/approval of any water use by the DEQ prior to such use. E&ES was filed 9/14/2007 (Multnomah County recording instrument # 2007-164964).

SOUTH WATERFRONT RIVERPLACE LOT 8 (Continued) **S106966553**

NARR ID: 5754663
NARR Code: 1922
Created By: GWISTAR
Created Date: 05/14/2013
Updated By: GWISTAR
Updated Date: 05/21/2015
Decode for NarcdID: Current Site Summary Statement
NARR Comments: [May 2015] Conditional NFA issued in 2007 - some asbestos still on-site along property boundary. E&ES restricts disturbance of capping overlying asbestos - also restricts groundwater use (none without DEQ approval).Site back under DEQ review as of Oct. 2014.

Site Control:
Site Control #: 476
Control Number: 3
Begin Date: 09/14/2007
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: M. Greenburg, DEQ
Last Reviewed Date: 09/14/2007
Last Update By: GWISTAR
Last Updated Date: 05/21/2015
Site Comment: Multnomah County record instrument # 2007-164964. Restricts disturbance of cap/cover over asbestos areas, restricts groundwater use without consultation and approval by DEQ. Supercedes previous Deed Notice for the site.

Site Control #: 929
Control Number: 20
Begin Date: 09/14/2007
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: M. Greenburg, DEQ
Last Reviewed Date: 09/14/2007
Last Update By: GWISTAR
Last Updated Date: 05/21/2015
Site Comment: Except with advance approval of DEQ, no operations or uses shall be made on or of the property that may penetrate the cap over asbestos-containing material (ACM) and the temporary clean-fill area or jeopardize their functional integrity, including any excavation, drilling, scraping, or erosion, or other actions. The ACM area is shown in Attachments C and D of the Sept. 2007 Easement & Equitable Servitude.

Site Control #: 930
Control Number: 4
Begin Date: 09/14/2007
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: M. Greenburg, DEQ
Last Reviewed Date: 09/14/2007
Last Update By: GWISTAR
Last Updated Date: 05/21/2015
Site Comment: No use of groundwater at the property without prior consent from DEQ.

Administrative Action:
Action ID: 9519
Region: Northwestern Region

SOUTH WATERFRONT RIVERPLACE LOT 8 (Continued) **S106966553**

Complete Date: 10/28/2014
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/31/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Not reported

Action ID: 9426
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/29/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Further Action: 0
Comments: Not reported

Action ID: 9424
Region: Not reported
Complete Date: 05/25/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/25/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9442
Region: Northwestern Region
Complete Date: 02/16/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/06/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NEGOTIATIONS
Further Action: 0
Comments: Not reported

Action ID: 9440
Region: Northwestern Region
Complete Date: 02/16/2005

SOUTH WATERFRONT RIVERPLACE LOT 8 (Continued) **S106966553**

Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/06/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Letter Agreement
Further Action: 0
Comments: Not reported

Action ID: 9429
Region: Northwestern Region
Complete Date: 05/18/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/06/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: FEASIBILITY STUDY
Further Action: 0
Comments: Evaluation of asbestos removal alternatives

Action ID: 9434
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/06/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Institutional Control
Further Action: 0
Comments: Asbestos Deed Notice

Action ID: 9411
Region: Northwestern Region
Complete Date: 01/11/1994
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/20/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: No Further Action (Conditional)
Further Action: 0
Comments: Not reported

Action ID: 9437
Region: 0
Complete Date: 08/01/1990
Rank Value: Not reported

SOUTH WATERFRONT RIVERPLACE LOT 8 (Continued) **S106966553**

Cleanup Flag: False
Created Date: 05/10/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: 0
Comments: Not reported

Action ID: 9498
Region: 0
Complete Date: 08/01/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/10/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: 0
Comments: Not reported

Action ID: 9456
Region: Headquarters
Complete Date: 12/19/1988
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/10/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: BASIC PRELIMINARY ASSESSEMENT
Further Action: 0
Comments: Federal.

Action ID: 9499
Region: 0
Complete Date: 08/01/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/10/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: 0
Comments: Not reported

Action ID: 9465
Region: 0
Complete Date: 08/31/1990
Rank Value: Not reported
Cleanup Flag: False

SOUTH WATERFRONT RIVERPLACE LOT 8 (Continued) **S106966553**

Created Date: 05/10/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9467
Region: 0
Complete Date: 08/31/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/10/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: 0
Comments: Not reported

Action ID: 9448
Region: 0
Complete Date: 02/25/1991
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/10/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Review for final listing
Further Action: 0
Comments: Not reported

Action ID: 9438
Region: 0
Complete Date: 04/29/1991
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/10/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9439
Region: 0
Complete Date: 04/29/1991
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/10/2007

SOUTH WATERFRONT RIVERPLACE LOT 8 (Continued) **S106966553**

Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: 0
Comments: Not reported

Action ID: 9411
Region: Northwestern Region
Complete Date: 09/20/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/25/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: No Further Action (Conditional)
Further Action: 0
Comments: Conditional NFA issued - some asbestos still on-site along property boundary. E&ES restricts disturbance of capping overlying asbestos - also restriction on groundwater use (none without DEQ approval).

Action ID: 9469
Region: 0
Complete Date: 11/30/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/25/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL ACTION
Further Action: 0
Comments: 4,730 tons of asbestos-contaminated debris removed and disposed at Wasco County Landfill.

CRL:
Facility ID: 4424
Location ID: 90501
Status Code: LIS
Facility Status: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Lat/Long: 45.5074 / -122.6736

OR ENG CONTROL:
Site Control Sequence #: 929
Site Id: 4424
Control Sequence #: 20
Begin Date: 09/14/2007
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: M. Greenburg, DEQ
Last Review Date: 09/14/2007
Last Updated By: GWISTAR

SOUTH WATERFRONT RIVERPLACE LOT 8 (Continued) **S106966553**

Last Updated Date: 05/21/2015
Group Sequence #: 5
Control Code: CLPS
Control Description: Contamination left in place, Soil
FK Type Code: 2
Group Code: CIP
Group Description: Contamination Contained in Place
Type Code: E
Type Description: Engineering
Comments: Except with advance approval of DEQ, no operations or uses shall be made on or of the property that may penetrate the cap over asbestos-containing material (ACM) and the temporary clean-fill area or jeopardize their functional integrity, including any excavation, drilling, scraping, or erosion, or other actions. The ACM area is shown in Attachments C and D of the Sept. 2007 Easement & Equitable Servitude.

OR INSTUTIONAL CONTROL:
Site Control Sequence #: 476
Site Id: 4424
Control Sequence #: 3
Begin Date: 09/14/2007
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: M. Greenburg, DEQ
Last Review Date: 09/14/2007
Last Updated By: GWISTAR
Last Updated Date: 05/21/2015
Group Sequence #: 2
Control Code: EES
Control Description: Easement Equitable Servitude
FK Type Code: 1
Group Code: PR
Group Description: Proprietary
Type Code: I
Type Description: Institutional
Comments: Multnomah County record instrument # 2007-164964. Restricts disturbance of cap/cover over asbestos areas, restricts groundwater use without consultation and approval by DEQ. Supercedes previous Deed Notice for the site.

Site Control Sequence #: 930
Site Id: 4424
Control Sequence #: 4
Begin Date: 09/14/2007
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: M. Greenburg, DEQ
Last Review Date: 09/14/2007
Last Updated By: GWISTAR
Last Updated Date: 05/21/2015
Group Sequence #: 2
Control Code: USG
Control Description: Use Restriction Groundwater
FK Type Code: 1
Group Code: PR
Group Description: Proprietary

SOUTH WATERFRONT RIVERPLACE LOT 8 (Continued) **S106966553**

Type Code: I
Type Description: Institutional
Comments: No use of groundwater at the property without prior consent from DEQ.

VCS:
ECS Site ID: 4424
Facility Size: Not reported
Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Start Date: 10/28/2014
End Date: Not reported
Facility Status: Active
Program: ICP
Latitude: 45.50739
Longitude: -122.6735

OR BROWNFIELDS:
Geolocation Id: 90501
Status: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Lat/Long: 45.5074 / -122.673

EC579 **SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 AREA A** **OR ECSI** **S109051783**
WSW **SW RIVER DRIVE AND SW RIVER PARKWAY** **OR CRL** **N/A**
1/2-1 **PORTLAND, OR 97201** **OR ENG CONTROLS**
0.949 mi. **OR INST CONTROL**
5010 ft. **Site 2 of 2 in cluster EC** **OR VCP**

Relative:
Lower

Actual:
28 ft.

ECSI:
State ID Number: 4421
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 831
Investigation: Listed on the CRL/Inventory
FACA ID: 90498
Further Action: 0
Lat/Long (dms): 45 30 25.90 / -122 40 27.10
County Code: 26.00
Score Value: Not reported
Cerclis ID: 981769474
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 3
Qtr Section: CD
Tax Lots: No tax lots
Size: Not reported
NPL: False
Orphan: False
Updated By: JWAGGY
Update Date: 02/09/2007
Created Date: 05/25/2005
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: Listed on the CRL/Inventory
Decode For Legislative: Owner, operator or other party under agreement, order or consent

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 AREA A (Continued) **S109051783**

decree under ORS 465.200 or 465.420

Alias Name: Lincoln Steam Plant
Alias Name: Pacific Power & Light - SW Lincoln St.
Alias Name: Portland Development Commission (PDC)
Alias Name: Pacificorp
Alias Name: PP&L
Alias Name: South Waterfront Redevelopment Area

Narrative:

NARR ID: 5747366
NARR Code: General Site Description
Created By: TROICK
Created Date: 10/19/2005
Updated By: JWAGGY
Updated Date: 02/09/2007
Decode for NarcdID: General Site Description
NARR Comments: (10/19/05 TER/VCP) The project file for ECSI #602, the original South Waterfront Redevelopment Area, contains background information, actions, and narratives but has been divided into six sites in ECSI based on changes in tax lot boundaries, differences in development, ownership, and long-term management requirements. Those sites are:#4420 South Waterfront at RiverPlace, Parcel 2 Areas B&C - Stanford's restaurant, RiverPlace Square apartments, retail space and associated parking structure, Tax Lots 500, 600, and 1200.#4421 South Waterfront at RiverPlace, Parcel 2 Area A - SW River Drive and SW River Parkway roadways and associated storm drain system (no tax lot).#4422 South Waterfront Park - borders the Willamette River, originally part of Area D, Parcel 3A and 3B, Tax Lot 102. #4423 South Waterfront Parcel 3B - developed as the ***PGT building,*** and now occupied by other tenants; Tax Lot 300.#4424 South Waterfront RiverPlace Lot 8 - at the NE corner of the intersection of SW River Drive and SW River Parkway, formerly a part of Area D, Parcel 3B; Tax Lot 200.#4757 South Waterfront Redevelopment Area, Parcel 1 - the former Lincoln Steam Plant, orginally titled Area D, Parcel 3A. It is now The Strand condominium towers, Tax Lot 101.Also see ECSI #2232 InnVentures, (Lot 5) and ECSI #2492, South Waterfront Lot 3, for adjacent site information.In 1988, the Portland Development Commission (PDC) entered into a Voluntary Agreement with DEQ to conduct a Remedial Investigation and Feasibility Study (RI/FS) at the ***South Waterfront Redevelopment Area*** site. For purposes of the investigation, the property was divided into Parcels 2 and 3. Parcel 3A was the site of the former Lincoln Steam Plant. In October 1989, after completion of the first phase of the investigation, DEQ approved a PDC proposal that would allow roads and structures constructed on Parcel 2 to function as a protective cap. Parcel 2 Areas B&C were developed and purchased by Trammel Crow Residential in 1994. DEQ issued a No Further Action for Parcel 3B in 1994, a portion of which was developed as the ***PGT building.*** The RI/FS for Parcel 3A was completed in 1998. South Waterfront Park resulted from improvements for extension of a greenway along the waterfront. Parcel 3A (now Parcel 1) will be developed as condominium towers. PDC will address asbestos on the undeveloped portion of Parcel 3B (Lot 8) for future redevelopment.

NARR ID: 5752178
NARR Code: Hazardous Substance/Waste Types
Created By: MGREENB
Created Date: 05/17/2010

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 AREA A (Continued) **S109051783**

Updated By: MGREENB
Updated Date: 05/17/2010
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Polynuclear aromatic hydrocarbons and lead in soil.

NARR ID: 5747380
NARR Code: Site Location
Created By: GWISTAR
Created Date: 10/24/2005
Updated By: GWISTAR
Updated Date: 10/24/2005
Decode for NarcdID: Site Location
NARR Comments: This site consists of SW River Drive and SW River Parkway roadways and the associated storm drain system (no tax lots).

Site Control:
Site Control #: 409
Control Number: 36
Begin Date: 10/12/1989
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: TER
Last Reviewed Date: 02/20/2002
Last Update By: TROICK
Last Updated Date: 10/19/2005
Site Comment: Area A is the roadways and associated storm drain system for SW River Drive and SW River Parkway which act as a cap over contaminated soil. A portion of the cap along SW River Parkway was modified and re-certified on July 21, 2005 for the Portland Streetcar Gibbs Extension.

Site Control #: 410
Control Number: 13
Begin Date: 10/12/1989
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: TER
Last Reviewed Date: Not reported
Last Update By: TROICK
Last Updated Date: 10/19/2005
Site Comment: October 12, 1989 Addendum to Agreement No. ECSR-NWR-88-04 recorded with Multnomah County.

Administrative Action:
Action ID: 9414
Region: 0
Complete Date: 04/09/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/17/2010
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Remedial Action
Action Code Flag: False
Action: Certification of Completion
Further Action: 0
Comments: Is described as DEQ Certification.

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 AREA A (Continued) **S109051783**

Action ID: 9444
Region: 0
Complete Date: 12/01/1992
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/17/2013
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: No Further Remedial Action Planned under Federal program
Further Action: 0
Comments: Not reported

Action ID: 9424
Region: Not reported
Complete Date: 05/25/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 05/25/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9422
Region: Northwestern Region
Complete Date: 10/12/1989
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/24/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Engineering Control
Further Action: 0
Comments: Not reported

Action ID: 9498
Region: 0
Complete Date: 08/01/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Proposal for Confirmed Release List recommended
Further Action: 0
Comments: Not reported

Action ID: 9425

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 AREA A (Continued) **S109051783**

Region: Headquarters
Complete Date: 10/13/1988
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: 0
Comments: Not reported

Action ID: 9421
Region: 0
Complete Date: Not reported
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/06/2007
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: Site added to CERCLIS
Further Action: 0
Comments: Not reported

Action ID: 9480
Region: Northwestern Region
Complete Date: 10/13/1988
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Federal Preliminary Assessment recommended
Further Action: 0
Comments: Not reported

Action ID: 9456
Region: Headquarters
Complete Date: 12/19/1988
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: BASIC PRELIMINARY ASSESSEMENT
Further Action: 0
Comments: Federal.

Action ID: 9412
Region: Headquarters

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 AREA A (Continued) **S109051783**

Complete Date: 12/15/1988
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Consent Order
Further Action: 0
Comments: Not reported

Action ID: 9484
Region: Northwestern Region
Complete Date: 03/01/1994
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL INVESTIGATION
Further Action: 0
Comments: Not reported

Action ID: 9437
Region: 0
Complete Date: 08/01/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: 0
Comments: Not reported

Action ID: 9499
Region: 0
Complete Date: 08/01/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: 0
Comments: Not reported

Action ID: 9465
Region: 0
Complete Date: 08/31/1990

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 AREA A (Continued) **S109051783**

Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9467
Region: 0
Complete Date: 08/01/1990
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: 0
Comments: Not reported

Action ID: 9438
Region: 0
Complete Date: 04/29/1991
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9439
Region: 0
Complete Date: 04/29/1991
Rank Value: Not reported
Cleanup Flag: False
Created Date: 02/09/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: 0
Comments: Not reported

Action ID: 9450
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 AREA A (Continued) **S109051783**

Cleanup Flag: False
Created Date: 12/06/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: OPERATION and MAINTENANCE
Further Action: 0
Comments: Not reported

CRL:
Facility ID: 4421
Location ID: 90498
Status Code: LIS
Facility Status: OPERATION & MAINTENANCE
Lat/Long: 45.5072 / -122.6742

OR ENG CONTROL:
Site Control Sequence #: 409
Site Id: 4421
Control Sequence #: 36
Begin Date: 10/12/1989
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: TER
Last Review Date: 02/20/2002
Last Updated By: TROICK
Last Updated Date: 10/19/2005
Group Sequence #: 9
Control Code: CPE
Control Description: Cap, engineered
FK Type Code: 2
Group Code: SB
Group Description: Surface Barriers
Type Code: E
Type Description: Engineering
Comments: Area A is the roadways and associated storm drain system for SW River Drive and SW River Parkway which act as a cap over contaminated soil. A portion of the cap along SW River Parkway was modified and re-certified on July 21, 2005 for the Portland Streetcar Gibbs Extension.

OR INSTUTIONAL CONTROL:
Site Control Sequence #: 410
Site Id: 4421
Control Sequence #: 13
Begin Date: 10/12/1989
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: TER
Last Review Date: Not reported
Last Updated By: TROICK
Last Updated Date: 10/19/2005
Group Sequence #: 4
Control Code: CD
Control Description: Consent Decree

SOUTH WATERFRONT AT RIVERPLACE, PARCEL 2 AREA A (Continued) **S109051783**

FK Type Code:	1
Group Code:	SET
Group Description:	Statutory Enforcment Tools
Type Code:	I
Type Description:	Institutional
Comments:	October 12, 1989 Addendum to Agreement No. ECSR-NWR-88-04 recorded with Multnomah County.

VCS:

ECS Site ID:	4421
Facility Size:	Not reported
Action:	OPERATION & MAINTENANCE
Start Date:	12/06/2007
End Date:	Not reported
Facility Status:	Active
Program:	VCS
Latitude:	45.50719
Longitude:	-122.6742

---

580 WNW 1/2-1 0.955 mi. 5043 ft.

OAK TOWER REDEVELOPMENT
225 SW OAK ST.
PORTLAND, OR 97204

OR ECSI **S106980962**
OR CRL **N/A**
OR ENG CONTROLS
OR INST CONTROL
OR VCP

Relative: Lower

Actual: 34 ft.

ECSI:

State ID Number:	4416
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	831
Investigation:	Listed on the CRL/Inventory
FACA ID:	88502
Further Action:	0
Lat/Long (dms):	45 31 14.90 / -122 40 24.60
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	Not reported
Township Coord.:	1.00
Township Zone:	N
Range Coord:	1.00
Range Zone:	E
Section Coord:	34
Qtr Section:	Not reported
Tax Lots:	Lots 5 and 6, Block 30
Size:	Not reported
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	11/22/2010
Created Date:	05/23/2005
Decode For RegionID:	Northwest Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	Listed on the CRL/Inventory
Decode For Legislative:	Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

OAK TOWER REDEVELOPMENT (Continued) **S106980962**

Alias Name: Portland Development Commission (PDC)

Hazardous Release:
Substance ID.: 122008
Haz Release ID: 386537
Qty Released: Not reported
Date Released: Not reported
Update Date: 05/23/2005
Update By: JWAGGY
Substance Code: ECD266
Substance Name: TOTAL HYDROCARBONS (AS DIESEL)
Substance Abbrev.: Not reported
Substance Category ID: 8539
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8539
Substance Category: Petroleum Related Releases for OSPIRG Report
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Sampling Result ID: 348159
Feature Id: 0
Hazard Release Id: 386537
Medium: 703
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 14,500 ppm
Last Update By: JWAGGY
Update Date: 05/23/2005
Decode for MediumID: Soil

Substance ID.: 121781
Haz Release ID: 386538
Qty Released: Not reported
Date Released: Not reported
Update Date: 05/23/2005
Update By: JWAGGY
Substance Code: 79-01-6
Substance Name: TRICHLOROETHYLENE
Substance Abbrev.: Not reported
Substance Category ID: 8523
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8545
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported

OAK TOWER REDEVELOPMENT (Continued) **S106980962**

Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8523
Substance Category: Volatiles
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Category ID: 8545
Substance Category: Solvents of interest to Milwaukie Area GW study
Category Level: Not reported
Created By: Not reported
Created Date: 12/17/2002
Substance Alias ID: 317517
Sub Alias Name: ETHINYL TRICHLORIDE
Substance Alias ID: 317518
Sub Alias Name: ETHYLENE TRICHLORIDE
Substance Alias ID: 317519
Sub Alias Name: TCE
Substance Alias ID: 317520
Sub Alias Name: TRI-CLENE
Substance Alias ID: 317521
Sub Alias Name: TRICHLOROETHENE
Sampling Result ID: 348160
Feature Id: 0
Hazard Release Id: 386538
Medium: 698
Substance Abbrev.: 0
Unit Code: Not reported
Observation: False
Owner Operator: False
Lab Data: True
Sample Depth: Not reported
Start Date: Not reported
End Date: Not reported
Min Concentration: Not reported
Max Concentration: Not reported
Sample Comment: 2.1 ppb
Last Update By: JWAGGY
Update Date: 05/23/2005
Decode for MediumID: Groundwater

Narrative:
NARR ID: 5746651
NARR Code: Contamination
Created By: JWAGGY
Created Date: 05/23/2005
Updated By: GWISTAR
Updated Date: 12/12/2006
Decode for NarcdID: Contamination
NARR Comments: Bunker fuel/heating oil - mix of mostly diesel and heavy range hydrocarbons - contains polynuclear aromatic hydrocarbons. May be some limited groundwater impacts from petroleum hydrocarbons. Trichloroethene and perchloroethene were detected in groundwater at the site, but were determined to have originated from off-site sources and not in need of further investigation.

NARR ID: 5746655
NARR Code: Data Sources

OAK TOWER REDEVELOPMENT (Continued) **S106980962**

Created By: JWAGGY
Created Date: 05/23/2005
Updated By: JWAGGY
Updated Date: 05/23/2005
Decode for NarcdID: Data Sources
NARR Comments: Level II Environmental Site Assessment, prepared by Hart Crowser.

NARR ID: 5746649
NARR Code: Hazardous Substance/Waste Types
Created By: JWAGGY
Created Date: 05/23/2005
Updated By: JWAGGY
Updated Date: 10/13/2006
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Suspected historical release from a heating oil tank on-site. On-site soil contamination with TPH and PAHs. Potential impacts to shallow groundwater from PAHs. TCE was found in groundwater at low levels but was determined to be coming from off-site (unidentified source).

NARR ID: 5746650
NARR Code: Manner of Release
Created By: JWAGGY
Created Date: 05/23/2005
Updated By: JWAGGY
Updated Date: 10/13/2006
Decode for NarcdID: Manner of Release
NARR Comments: Suspected to have originated from the old heating oil tank that existed here up until around 1955.

NARR ID: 5748654
NARR Code: Media Contamination
Created By: MGREENB
Created Date: 09/19/2006
Updated By: JWAGGY
Updated Date: 10/13/2006
Decode for NarcdID: Media Contamination
NARR Comments: Soil and groundwater.

NARR ID: 5746652
NARR Code: Pathways Other Hazards
Created By: JWAGGY
Created Date: 05/23/2005
Updated By: JWAGGY
Updated Date: 10/13/2006
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: Dermal exposure and ingestion, water use.

NARR ID: 5746654
NARR Code: Remedial Action
Created By: JWAGGY
Created Date: 05/23/2005
Updated By: GWISTAR
Updated Date: 12/12/2006
Decode for NarcdID: Remedial Action
NARR Comments: (5/4/05 CK/ICP) Nine soil push probes were advanced and groundwater samples collected in 2002, during a Level II Environmental Site Assessment.(12/6/06 MGreenburg/ICP) Residual contaminants are below

OAK TOWER REDEVELOPMENT (Continued) **S106980962**

site-specific Risk-Based Contaminant levels for Excavation Worker soil contact and Urban Residential and Occupational Volatilization to Indoor/Outdoor Air pathways. Therefore, DEQ has made a no-further-action determination for this site.

NARR ID: 5752568
NARR Code: 1922
Created By: GWISTAR
Created Date: 11/22/2010
Updated By: GWISTAR
Updated Date: 11/22/2010
Decode for NarcdID: Current Site Summary Statement
NARR Comments: [Aug. 2007] DEQ rescinded the unconditional NFA it had granted in December 2006, and has replaced it with a conditional NFA that relies on restrictions on groundwater use and prevention of any disturbance to contaminated subsurface soils.

Site Control:
Site Control #: 470
Control Number: 3
Begin Date: 07/20/2007
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: Mike Greenburg, DEQ
Last Reviewed Date: Not reported
Last Update By: GWISTAR
Last Updated Date: 05/21/2015
Site Comment: E&ES in place with restrictions placed on groundwater use and disturbance of contaminated subsurface soils.

Site Control #: 927
Control Number: 4
Begin Date: 07/20/2007
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: M. Greenburg, DEQ
Last Reviewed Date: Not reported
Last Update By: GWISTAR
Last Updated Date: 05/21/2015
Site Comment: No use of groundwater at the property without prior consent from DEQ.

Site Control #: 928
Control Number: 20
Begin Date: 07/20/2007
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: M. Greenburg, DEQ
Last Reviewed Date: Not reported
Last Update By: GWISTAR
Last Updated Date: 05/21/2015
Site Comment: Without at least 30 days notice to DEQ, no operations or uses shall be made on the temporary clean-fill cap or area of petroleum contaminated soil, including any excavation, drilling, scraping, or erosion, or other actions affecting the protectiveness of the site remedy. Any development, disturbance, or removal of remaining contaminated soil must be in compliance with the Soil Management Plan prepared for the site in July 2006 and revised in Feb. 2007.

OAK TOWER REDEVELOPMENT (Continued) **S106980962**

Administrative Action:

Action ID:	9424
Region:	Not reported
Complete Date:	05/23/2005
Rank Value:	Not reported
Cleanup Flag:	False
Created Date:	05/23/2005
Decode for AgencyID:	Department of Environmental Quality
Decode for RegionID:	Not reported
Category:	Administrative Action
Action Code Flag:	False
Action:	Site added to database
Further Action:	Not reported
Comments:	Not reported

Action ID:	9435
Region:	Northwestern Region
Complete Date:	Not reported
Rank Value:	Not reported
Cleanup Flag:	False
Created Date:	05/23/2005
Decode for AgencyID:	Department of Environmental Quality
Decode for RegionID:	Northwest Region
Category:	Remedial Action
Action Code Flag:	False
Action:	Independent Cleanup Program
Further Action:	0
Comments:	Not reported

Action ID:	9469
Region:	0
Complete Date:	04/28/2006
Rank Value:	Not reported
Cleanup Flag:	True
Created Date:	09/19/2006
Decode for AgencyID:	Department of Environmental Quality
Decode for RegionID:	Not reported
Category:	Remedial Action
Action Code Flag:	False
Action:	REMEDIAL ACTION
Further Action:	0
Comments:	Approximately 770 cubic yards of soil were removed and disposed at Hillsboro Landfill. Excavation proceeded to up to 23' below street level. Contamination remains in place below this depth and underlying adjacent structure(s).

Action ID:	9498
Region:	Northwestern Region
Complete Date:	10/13/2006
Rank Value:	Not reported
Cleanup Flag:	False
Created Date:	09/26/2006
Decode for AgencyID:	Department of Environmental Quality
Decode for RegionID:	Northwest Region
Category:	Listing Action
Action Code Flag:	False
Action:	Proposal for Confirmed Release List recommended

OAK TOWER REDEVELOPMENT (Continued) **S106980962**

Further Action: 0
Comments: Not reported

Action ID: 9459
Region: 0
Complete Date: 09/21/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/27/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Remedial Action
Action Code Flag: False
Action: PRELIMINARY ASSESSMENT EQUIVALENT
Further Action: 0
Comments: Investigative activities and samples collected after soil removal indicate soil and groundwater contamination remains at site.

Action ID: 9409
Region: 0
Complete Date: 07/05/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/27/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Remedial Action
Action Code Flag: False
Action: Beneficial Water Use Assessment
Further Action: 0
Comments: BWUD completed as part of Risk Assessment and Closure Report dated July, 5, 2006.

Action ID: 9499
Region: Northwestern Region
Complete Date: 10/13/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/13/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Proposal for Inventory recommended
Further Action: 0
Comments: Not reported

Action ID: 9465
Region: Northwestern Region
Complete Date: 10/13/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/13/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False

OAK TOWER REDEVELOPMENT (Continued) **S106980962**

Action: Facility proposed for Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9467
Region: Northwestern Region
Complete Date: 10/13/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 10/13/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility proposed for Inventory
Further Action: 0
Comments: Not reported

Action ID: 9443
Region: Northwestern Region
Complete Date: 12/06/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/11/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Residual contaminants are below site-specific RBCs for Excavation Worker soil contact and Urban Residential and Occupational Volatilization to Indoor/Outdoor Air pathways.

Action ID: 9427
Region: Northwestern Region
Complete Date: 12/05/2006
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/12/2006
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Excluded from confirmed release definition
Further Action: 0
Comments: Not reported

Action ID: 9438
Region: Northwestern Region
Complete Date: 06/28/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/28/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action

OAK TOWER REDEVELOPMENT (Continued) **S106980962**

Action Code Flag: False
Action: Facility placed on Confirmed Release List
Further Action: 0
Comments: Not reported

Action ID: 9439
Region: Northwestern Region
Complete Date: 06/28/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 06/28/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Listing Action
Action Code Flag: False
Action: Facility placed on Inventory
Further Action: 0
Comments: Not reported

Action ID: 9411
Region: Northwestern Region
Complete Date: 08/01/2007
Rank Value: Not reported
Cleanup Flag: False
Created Date: 08/01/2007
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: No Further Action (Conditional)
Further Action: 0
Comments: Conditional NFA updating/supplanting the NFA issued on 12/6/06. E&ESs in place with restrictions placed on groundwater use and disturbance of contaminated subsurface soils.

CRL:
Facility ID: 4416
Location ID: 88502
Status Code: LIS
Facility Status: No Further Action (Conditional)
Lat/Long: 45.5208 / -122.6735

OR ENG CONTROL:
Site Control Sequence #: 928
Site Id: 4416
Control Sequence #: 20
Begin Date: 07/20/2007
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: M. Greenburg, DEQ
Last Review Date: Not reported
Last Updated By: GWISTAR
Last Updated Date: 05/21/2015
Group Sequence #: 5
Control Code: CLPS
Control Description: Contamination left in place, Soil

OAK TOWER REDEVELOPMENT (Continued) **S106980962**

FK Type Code: 2
Group Code: CIP
Group Description: Contamination Contained in Place
Type Code: E
Type Description: Engineering
Comments: Without at least 30 days notice to DEQ, no operations or uses shall be made on the temporary clean-fill cap or area of petroleum contaminated soil, including any excavation, drilling, scraping, or erosion, or other actions affecting the protectiveness of the site remedy. Any development, disturbance, or removal of remaining contaminated soil must be in compliance with the Soil Management Plan prepared for the site in July 2006 and revised in Feb. 2007.

OR INSTUTIONAL CONTROL:
Site Control Sequence #: 927
Site Id: 4416
Control Sequence #: 4
Begin Date: 07/20/2007
End Date: Not reported
Frequency Of Review: 60
Last Reviewed By: M. Greenburg, DEQ
Last Review Date: Not reported
Last Updated By: GWISTAR
Last Updated Date: 05/21/2015
Group Sequence #: 2
Control Code: USG
Control Description: Use Restriction Groundwater
FK Type Code: 1
Group Code: PR
Group Description: Proprietary
Type Code: I
Type Description: Institutional
Comments: No use of groundwater at the property without prior consent from DEQ.

Site Control Sequence #: 470
Site Id: 4416
Control Sequence #: 3
Begin Date: 07/20/2007
End Date: Not reported
Frequency Of Review: 0
Last Reviewed By: Mike Greenburg, DEQ
Last Review Date: Not reported
Last Updated By: GWISTAR
Last Updated Date: 05/21/2015
Group Sequence #: 2
Control Code: EES
Control Description: Easement Equitable Servitude
FK Type Code: 1
Group Code: PR
Group Description: Proprietary
Type Code: I
Type Description: Institutional
Comments: E&ES in place with restrictions placed on groundwater use and disturbance of contaminated subsurface soils.

VCS:

OAK TOWER REDEVELOPMENT (Continued) **S106980962**

ECS Site ID:	4416
Facility Size:	Not reported
Action:	No Further Action (Conditional)
Start Date:	08/01/2007
End Date:	08/01/2007
Facility Status:	Completed
Program:	ICP
Latitude:	45.52080
Longitude:	-122.6735

581
SSE
1/2-1
0.957 mi.
5052 ft.

KRISHELL LABORATORIES **OR ECSI** **1006858995**
1735 SE POWELL BLVD **FINDS** **N/A**
PORTLAND, OR 97202 **ECHO**

Relative:
Higher

Actual:
55 ft.

ECSI:

State ID Number:	1297
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	0
Investigation:	Suspect
FACA ID:	4812
Further Action:	0
Lat/Long (dms):	45 30 .70 / -122 38 53.20
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	000406496
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	11
Qtr Section:	Not reported
Tax Lots:	Not reported
Size:	Not reported
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	06/23/2015
Created Date:	01/23/1993
Decode For RegionID:	Northwest Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	Suspect
Decode For Legislative:	Not reported
Alias Name:	B & L Doors & Windows

Narrative:

NARR ID:	5732628
NARR Code:	Contamination
Created By:	Not reported
Created Date:	12/17/2002
Updated By:	Not reported
Updated Date:	12/17/2002
Decode for NarcdID:	Contamination
NARR Comments:	Former manager of Krishell Laboratories informed EPA that the

KRISHELL LABORATORIES (Continued) **1006858995**

facility was started up around 1947 to formulate agricultural chemicals. Krishell Laboratories also repackaged concentrates. Former manager left the firm in 1951 and indicated there was no direct manufacturing of any pesticides nor was there any wastes generated by the facility. 30- and 55-gallon drums were re-used to package their products. The firm supposedly closed around 1963.

NARR ID: 5732629
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Remedial Action
NARR Comments: EPA visited the facility in 1980. Found a newer building at location, which was occupied by a wholesale food-products firm. EPA Assessment Priority: None. Reason: There is no record of hazardous substances existing on-site, and therefore, it is recommended that this site be closed. EPA forwarded information to DEQ.

NARR ID: 5751222
NARR Code: Substances of Concern
Created By: GWISTAR
Created Date: 02/26/2009
Updated By: GWISTAR
Updated Date: 02/26/2009
Decode for NarcdID: Substances of Concern
NARR Comments: Agricultural chemicals and pesticide products

NARR ID: 5751223
NARR Code: 1922
Created By: GWISTAR
Created Date: 02/26/2009
Updated By: GWISTAR
Updated Date: 02/26/2009
Decode for NarcdID: Current Site Summary Statement
NARR Comments: [Feb. 1994] Historical distribution of agricultural chemicals and pesticides at this location requires investigation, especially because such chemicals from the 1940s and 1950s can be very persisent in the environment.

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9421
Region: Not reported

KRISHELL LABORATORIES (Continued) **1006858995**

Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: Site added to CERCLIS
Further Action: Not reported
Comments: Not reported

Action ID: 9457
Region: Not reported
Complete Date: 09/17/1984
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: EPA Basic Preliminary Assessment
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Not reported
Complete Date: 02/12/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: Not reported
Comments: Not reported

Action ID: 9512
Region: Not reported
Complete Date: 07/01/1980
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: EPA Screening Site Inspection 1
Further Action: Not reported
Comments: Not reported

Action ID: 9444
Region: Not reported
Complete Date: 09/17/1984

KRISHELL LABORATORIES (Continued) **1006858995**

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: No Further Remedial Action Planned under Federal program
Further Action: Not reported
Comments: Not reported

Operations:
Operation Id: 132613
Operation Status: Unknown
Common Name: Krishell Laboratories
Yrs of Operation: Not reported
Comments: Not reported
Updated Date: 03/09/1995
Updated By: jxh
Decode for OpstatID: Unknown

FINDS:

Registry ID: 110014215054

Environmental Interest/Information System
OR-DEQ (Oregon - Department Of Environmental Quality) is a regulatory agency whose job is to protect the quality of Oregon's Environment. DEQ uses a combination of technical assistance, inspections and permitting to help public and private facilities and citizens understand and comply with state and federal environmental regulations.

ECHO:
Envid: 1006858995
Registry ID: 110014215054
FIPS Code: 41051
EPA Region: 10
Indian Country Flag: N
Federal Flag: Not reported
US Mexico Border Flag: Not reported
Chesapeake Bay Flag: Not reported
NAA Flag: Not reported
Latitude: 45.50021
Longitude: -122.6481
Map Icon: NONE-UNK-MN-N.png
Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Reference Point: CENTER OF A FACILITY OR STATION
Accuracy Meters: 30
Derived Tribes: Not reported
Derived Huc: 17090012
Derived WBD: Not reported
Derived STCT FPS: 41051
Derived Zip: 97202
Derived CD113: 03
Derived CB2010: 410510010002010

KRISHELL LABORATORIES (Continued) **1006858995**

Percent Minority:	Not reported
Pop Den:	Not reported
Major Flag:	Not reported
Active Flag:	Not reported
MYRTK Universe:	NNN
Inspection Count:	0
Date Last Inspection:	Not reported
Days Last Inspection:	Not reported
Informal Count:	0
Date Last Informal Action:	Not reported
Formal Action Count:	0
Date Last Formal Action:	Not reported
Total Penalties:	0
Penalty Count:	Not reported
Date Last Penalty:	Not reported
Last Penalty Amount:	Not reported
QTRS in NC:	Not reported
Programs in SNC:	0
Curr Compliance Status:	Not reported
Curr SNC Flag:	N
3yr Compliance Status:	Not reported
AFS Flag:	N
NPDES Flag:	N
SDWIS Flag:	N
RCRA Flag:	N
TRI Flag:	N
GHG Flag:	N
AFS IDS:	Not reported
CAA Permit Types:	Not reported
CAA NAICS:	Not reported
CAA SICS:	Not reported
CAA Evaluation Count:	Not reported
CAA Days Last Evaluation:	Not reported
CAA Informal Count:	Not reported
CAA Formal Action Count:	Not reported
CAA Date Last Formal Action:	Not reported
CAA Penalties:	Not reported
CAA Last Penality Date:	Not reported
CAA Last Penality Amount:	Not reported
CAA Qtrs in NC:	Not reported
CAA Curr Compliance Status:	Not reported
CAA Curr HPV Flag:	N
CAA 3yr Compl Qtrs Status:	Not reported
NPDES IDS:	Not reported
CWA Permit Types:	Not reported
CWA Compliance Tracking:	Not reported
CWA NAICS:	Not reported
CWA SICS:	Not reported
CWA Inspection Count:	Not reported
CWA Days Last Inspection:	Not reported
CWA Informal Count:	Not reported
CWA Formal Action Count:	Not reported
CWA Date Last Formal Action:	Not reported
CWA Penalties:	Not reported
CWA Last Penality Date:	Not reported
CWA Last Penality Amount:	Not reported
CWA Qtrs in NC:	Not reported

KRISHELL LABORATORIES (Continued) **1006858995**

CWA Curr Compliance Status:	Not reported
CWA Curr SNC Flag:	N
CWA 13QTRS Compl Status:	Not reported
CWA 13QTRS EFFLNT Exceedances:	Not reported
CWA 3tr QNCR Codes:	Not reported
RCRA IDS:	Not reported
RCRA Permit Types:	Not reported
RCRA NAICS:	Not reported
RCRA Inspection Count:	Not reported
RCRA Days Last Evaluation:	Not reported
RCRA Informal Count:	Not reported
RCRA Formal Action Count:	Not reported
RCRA Date Last Formal Action:	Not reported
RCRA Penalties:	Not reported
RCRA Last Penality Date:	Not reported
RCRA Last Penality Amount:	Not reported
RCRA QTRS in NC:	Not reported
RCRA Curr Compliance Status:	Not reported
RCRA Curr SNC Flag:	N
RCRA 3yr Compl Qtrs Status:	Not reported
SDWA IDS:	Not reported
SDWA System Types:	Not reported
SDWA Informal Count:	Not reported
SDWA Formal Action Count:	Not reported
SDWA Curr Compliance Status:	Not reported
SDWA Curr SNC Flag:	N
TRI IDS:	Not reported
TRI Releases Transfers:	Not reported
TRI on Site Releases:	Not reported
Tri off Site Transfers:	Not reported
TRI Reporter in Past:	Not reported
FEC Case IDS:	Not reported
FEC Number of Cases:	Not reported
FEC Last Case Date:	Not reported
FEC Total Penalties:	Not reported
GHG IDS:	Not reported
GHG CO2 Release:	Not reported
DFR URL:	http://echo.epa.gov/detailed_facility_report?fid=110014215054
Facility SIC Codes:	Not reported
Facility NAICS Codes:	Not reported
Facility Date Last Inspection EPA:	Not reported
Facility Date Last Inspection State:	Not reported
Facility Date Last Formal ACT EPA:	Not reported
Facility Date Last Formal ACT ST:	Not reported
Facility Date Last Inforamal ACT EPA:	Not reported
Facility Date Last Informal ACT ST:	Not reported
Facility Federal Agency:	Not reported
TRI Reporter:	Not reported
Facility IMP Water Flag:	Not reported

582
West
1/2-1
0.967 mi.
5105 ft.

POPE & TALBOT - PORTLAND
1500 SW 1ST AVE.
PORTLAND, OR 97201

OR ECSI **S103842270**
N/A

Relative:
Higher

Actual:
71 ft.

ECSI:

State ID Number:	1314
Brown ID:	0
Study Area:	False
Region ID:	2
Legislatve ID:	834
Investigation:	No Further Action
FACA ID:	5093
Further Action:	0
Lat/Long (dms):	45 30 43.60 / -122 40 35.00
County Code:	26.00
Score Value:	Not reported
Cerclis ID:	009227372
Township Coord.:	1.00
Township Zone:	S
Range Coord:	1.00
Range Zone:	E
Section Coord:	3
Qtr Section:	Not reported
Tax Lots:	Not reported
Size:	Not reported
NPL:	False
Orphan:	False
Updated By:	GWISTAR
Update Date:	02/26/2009
Created Date:	01/23/1992
Decode For RegionID:	Northwest Region
Decode For BrownID:	Not reported
Decode For Furtheract:	Not reported
Decode For Investstat:	No Further Action
Decode For Legislative:	Environmental Protection Agency

Narrative:

NARR ID:	5732673
NARR Code:	Contamination
Created By:	Not reported
Created Date:	12/17/2002
Updated By:	Not reported
Updated Date:	12/17/2002
Decode for NarcdID:	Contamination

NARR Comments: (8/31/93 KPD/SAS) EPA performed a Preliminary Assessment (PA) on the site in August 1984. EPA apparently got the original address (1700 SW 4th) through a targeted search. When the ***correct*** address turned out to be 1500 SW 1st, EPA shifted the focus of the PA to the new address. However, both locations were merely office buildings in downtown Portland. No hazardous substances had ever been used, stored, or disposed of at either site. EPA quickly determined that no further action was necessary under the federal Superfund.

NARR ID:	5732674
NARR Code:	Data Sources
Created By:	Not reported
Created Date:	12/17/2002
Updated By:	Not reported

POPE & TALBOT - PORTLAND (Continued) **S103842270**

Updated Date: 12/17/2002
Decode for NarcdID: Data Sources
NARR Comments: 1) CERCLA Preliminary Assessment. 2) Correspondence FROM owner/operator.

NARR ID: 5732675
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: none

NARR ID: 5732676
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Remedial Action
NARR Comments: (8/31/93 KPD/SAS) There is no indication that reportable quantities of hazardous substances have ever been used, stored, or disposed of on-site. Site Assessment recommends that no further action be taken at this site at this time. (KPD/SAS) NFA letter sent 3/3/94.

Administrative Action:
Action ID: 9421
Region: Not reported
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: Site added to CERCLIS
Further Action: Not reported
Comments: Not reported

Action ID: 9443
Region: Headquarters
Complete Date: 09/02/1993
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: Not reported
Comments: Not reported

Action ID: 9427
Region: Headquarters
Complete Date: 09/01/1993

POPE & TALBOT - PORTLAND (Continued) **S103842270**

Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Excluded from confirmed release definition
Further Action: Not reported
Comments: No hazardous substances were released

Action ID: 9424
Region: Headquarters
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9425
Region: Headquarters
Complete Date: 08/30/1993
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Action ID: 9437
Region: Headquarters
Complete Date: 08/31/1993
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: Not reported
Comments: Not reported

Action ID: 9457
Region: Not reported
Complete Date: 08/20/1984
Rank Value: 0

POPE & TALBOT - PORTLAND (Continued) **S103842270**

Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: EPA Basic Preliminary Assessment
Further Action: Not reported
Comments: Not reported

Action ID: 9444
Region: Not reported
Complete Date: 08/20/1984
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Environmental Protection Agency
Decode for RegionID: Not reported
Category: EPA Led Action
Action Code Flag: False
Action: No Further Remedial Action Planned under Federal program
Further Action: Not reported
Comments: Not reported

Operations:
Operation Id: 132629
Operation Status: Active
Common Name: Crown Plaza
Yrs of Operation: unknown
Comments: office building
Updated Date: 03/04/1996
Updated By: kpd
Decode for OpstatID: Active

583
WNW
1/2-1
0.971 mi.
5128 ft.

AC HOTEL
888 SW 3RD AVE.
PORTLAND, OR 97204

OR ECSI **S118337466**
OR VCP **N/A**

Relative:
Higher

Actual:
47 ft.

ECSI:
State ID Number: 5979
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: Suspect
FACA ID: 136912
Further Action: 0
Lat/Long (dms): 45 31 1.20 / -122 40 32.90
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 3

AC HOTEL (Continued) **S118337466**

Qtr Section: BA
Tax Lots: 6100
Size: 0.23 acres
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 07/28/2015
Created Date: 07/27/2015
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: Suspect
Decode For Legislative: Not reported

Narrative:
NARR ID: 5755752
NARR Code: Site Location
Created By: KDANA
Created Date: 07/27/2015
Updated By: KDANA
Updated Date: 07/27/2015
Decode for NarcdID: Site Location
NARR Comments: Located on the NE corner of the intersection of SW 3rd Avenue and Taylor Street

Administrative Action:
Action ID: 9424
Region: Not reported
Complete Date: 07/27/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/27/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9519
Region: Northwestern Region
Complete Date: 09/21/2015
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/27/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: VCS Waiting List
Further Action: 0
Comments: Not reported

Action ID: 9435
Region: Northwestern Region
Complete Date: Not reported
Rank Value: Not reported

AC HOTEL (Continued) **S118337466**

Cleanup Flag: False
Created Date: 09/21/2015
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Independent Cleanup Program
Further Action: 0
Comments: Not reported

VCS:
ECS Site ID: 5979
Facility Size: 0.23 acres
Action: Independent Cleanup Program
Start Date: 09/21/2015
End Date: Not reported
Facility Status: Active
Program: ICP
Latitude: 45.51700
Longitude: -122.6758

584
ESE
1/2-1
0.973 mi.
5136 ft.

GULL INDUSTRIES, INC. #50
2831 SE GRAND
PORTLAND, OR 97202

OR ECSI **U000432139**
OR LUST **N/A**
OR UST
OR VCP

Relative:
Higher

Actual:
132 ft.

ECSI:
State ID Number: 4018
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 831
Investigation: No Further Action
FACA ID: 21241
Further Action: 0
Lat/Long (dms): 45 30 9.00 / -122 39 40.00
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00
Range Zone: E
Section Coord: 11
Qtr Section: BB
Tax Lots: 5500
Size: 0.6 acre
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 03/01/2006
Created Date: 11/17/2003
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: No Further Action

GULL INDUSTRIES, INC. #50 (Continued) **U000432139**

Decode For Legislative: Owner, operator or other party under agreement, order or consent decree under ORS 465.200 or 465.420

Narrative:

NARR ID: 5744413
NARR Code: Contamination
Created By: KROBERT
Created Date: 12/09/2003
Updated By: KROBERT
Updated Date: 09/27/2005
Decode for NarcdID: Contamination
NARR Comments: (12/9/03 KJR/VCP) The site was a gasoline service station for an unknown period of time until the early 1980s when all facilities were removed. As part of the MLK Jr Blvd Viaduct project, ODOT performed Phase I/Phase II site assessments at the property. During the Phase II site assessment, waste oil and gasoline contamination was identified in soil. A geophysical survey suggested the presence of a small UST, suspected to contain heating oil, and another small UST suspected to contain hydraulic oil for the hoist. Material within catch basins was sampled and found to contain contaminated sediment. Groundwater was not encountered to the total explored depth of 38 feet below grade. (9/27/05 KJR/VCP) A site investigation that included a geophysical survey, drilling and sampling was performed in November and December 2002. The geophysical survey indicated a possible UST on the east side of the building foundation (a UST was not located during later excavation activites) and a potential hydraulic oil tank near the hoist. A site map showing the former site layout and soil boring locations is included as Figure 2. A total of 18 borings were installed utilizing direct push technology (DPT) drilling equipment. Soil samples collected from 17 of the 18 soil borings were analyzed for hydrocarbon identification. Of the 24 soil samples analyzed for hydrocarbon identification, gasoline and diesel were identified in two soil samples (GPG16-S3, GPG14-S2) and gasoline, diesel, and heavy oil were identified in one soil sample (GPG3-S4). These three soil samples and six additional soil samples were analyzed for gasoline-ranged hydrocarbons and for diesel and heavy oil-ranged hydrocarbons. Concentrations of gasoline were detected in four of the nine samples analyzed at levels ranging from 11.6 milligrams per kilograms (mg/kg) to 834 mg/kg. Concentrations of diesel and heavy oil were detected in one soil sample at levels of 2,930 mg/kg and 14,800 mg/kg, respectively.Six soil samples were also analyzed for VOCs. Concentrations of one or more VOC compounds were detected in soil samples GPG3-S4 and GPG14-S2 at levels ranging from 0.146 mg/kg to 6.03 mg/kg. Two soil samples (GP14-S2, GPG15-S4) were also analyzed for total lead. Total lead was detected at 9.74 mg/kg and 6.51 mg/kg. The soil sample collected from the vicinity of the former waste oil UST (sample GPG3-S4) was analyzed for leachable cadmium, chromium, and lead. A concentration of leachable lead was detected at 12.8 mg/L. Leachable cadmium and chromium were not detected. The sample was also analyzed for PCBs. PCBs were not detected. Sediments within two catch basins were analyzed for hydrocarbon identification, diesel and heavy oil, PCBs, VOCs, and SVOCs. The sample from the southern catch basin was also analyzed for gasoline. The following compounds were detected in the southern catch basin sample: gasoline (1,720 mg/kg), diesel (22,000 mg/kg), heavy oil (58,200 mg/kg), PCBs (11.05 mg/kg), VOCs (ranging from 1.44 mg/kg to 72.1 mg/kg), and SVOCs (50.6 mg/kg, 471 mg/kg). The following compounds were detected in the northern catch basin sample: diesel

GULL INDUSTRIES, INC. #50 (Continued) **U000432139**

(1,770 mg/kg), heavy oil (4,850 mg/kg), and PCBs (0.263 mg/kg).In February 2004, additional site investigation was performed to further define areas of concern identified previously. Following the completion of the investigation, the consultant provided DEQ with a site map showing the boring locations and a table summarizing soil analytical results. A report was not completed to document the results of the site investigation since a settlement agreement was reached between the property owner (at the time) and ODOT shortly following the completion of field work. ODOT assumed responsibility for cleanup as part of the settlement and the former property owner terminated their VCP agreement with DEQ. A review of the data tables indicated results are consistent with site conditions documented during ODOTs 2002 investigation.

NARR ID: 5744415
NARR Code: Remedial Action
Created By: KROBERT
Created Date: 12/09/2003
Updated By: GWISTAR
Updated Date: 03/01/2006
Decode for NarcdID: Remedial Action
NARR Comments: (12/9/03 KJR/VCP) The RP joined the ICP. Proposed work includes additional assessment and evaluation to applicable risk standards in the pump island gasoline contamination area, soil excavation in the waste oil area, decommissioning of the heating oil and hydraulic oil USTs (if present), and cleaning of the catch basins. (9/20/04 KJR/VCP) ICP agreement terminated with RP. New agreement will be entered into with new property owner - ODOT. (9/27/05 KJR/VCP) In April 2005, ODOT excavated and transported off-site for disposal about 460 tons of PCS. During the removal action, the two catch basins and a hydraulic hoist were also excavated and removed. The removal action was performed in three distant areas; the former pump island area, the former waste oil UST area, and the hydraulic hoist removal. Groundwater was not encountered in any of the excavations.The site is scheduled to be developed into a lined storm water treatment facility in 2006. The site may also be incorporated into the City of Portlands combined sewer overflow project. Based on the current and anticipated future use, the residential pathway is not a complete pathway. Since groundwater was not encountered on-site or on nearby sites at depths less than 50 feet bgs, the leaching to groundwater pathway is not complete. The following pathways were retained for evaluation.Soil - Occupational Volatilization to Outdoor AirSoil Occupational - Ingestion, Inhalation, and Dermal ContactSoil - Construction & Excavation Worker Ingestion, Inhalation, and Dermal ContactThe pump island area was excavated to a total depth of 20 feet bgs. Following the completion of the pump island excavation, 13 confirmation soil samples were collected and analyzed for gasoline, diesel, and heavy oil. Concentrations of gasoline were only detected in two confirmation samples (FL-#5-SW-13, FL-#13-S-10) at levels of 4,440 mg/kg and 609 mg/kg, respectively. Concentrations of diesel were only detected in one confirmation sample (FL-#5-SW-13) at a level of 2,650 mg/kg. Concentrations heavy oil was not detected. Soil samples FL-#5-SW-13 and FL-#13-S-10 were also analyzed for VOCs, PAHs, and total lead. Concentrations of VOCs were detected in both samples at levels ranging from 0.753 mg/kg to 511 mg/kg. Concentrations of PAHs were also detected in both samples at levels ranging from 0.0193 to 34.6 mg/kg. Total lead was not detected in

GULL INDUSTRIES, INC. #50 (Continued) **U000432139**

either sample. About 50 cubic yards of PCS was left in place following the completion of the pump island excavation. The PCS is located between about 9 feet and 12 feet bgs. Confirmation samples collected from the final extent of the pump island excavation, including those collected in the area of the remaining PCS, were all less than RBCs for applicable pathways. If this remaining PCS is encountered during the construction of the lined storm water treatment facility, the material will be characterized and transported off-site for disposal.Based on the leachable lead concentration (24.3 mg/L) from a pre-excavation soil sample, about 64 tons of soil characterized as a hazardous waste was excavated from the vicinity of the former waste oil UST and transported to ChemWastes facility in Arlington, Oregon. The excavation extended to an approximate depth of 7 feet bgs. Five confirmation soil samples were collected from the final extent of the excavation and analyzed for gasoline, diesel, and heavy oil. Gasoline, diesel, and heavy oil were not detected. Select confirmation samples were also analyzed for PCBs, VOCs, total metals: lead, cadmium, and chromium. No PCBs or VOCs were detected in the three samples analyzed. Total lead (11.7 mg/kg to 112 mg/kg), total cadmium (3.22 mg/kg, 3.56 mg/kg), and total chromium (19.8 mg/kg to 28.9 mg/kg) were detected in the three samples analyzed.The waste oil UST excavation was successful in removing PCS. The detected concentrations of total metals: lead, cadmium, and chromium were less than respective industrial PRGs.A hydraulic hoist was decommissioned by excavation and removal. Three confirmation soil samples were collected from the final extent of the excavation and analyzed for gasoline, diesel, and heavy oil. Diesel and heavy oil were detected in one of the confirmation samples at 94.7 mg/kg and 446 mg/kg, respectively. Gasoline was not detected in the three soil samples. Two of the confirmation samples were also analyzed for PCBs, VOCs, and total metals: lead, cadmium, and chromium. Total lead (11.3 mg/kg, 208 mg/kg) and total chromium (20.3 mg/kg, 28.2 mg/kg) were detected. No PCBs, VOCs, or total cadmium was detected. One confirmation soil sample was also analyzed for PAHs, and it contained PAH levels ranging from 0.0953 mg/kg to 2.12 mg/kg.Benzo(a)pyrene (1.46 mg/kg) and dibenzo(a,h)anthracene (0.402 mg/kg) exceeded their respective occupational RBCs for the soil ingestion, dermal contact, and inhalation pathways, but did not exceed their respective construction and excavation worker soil ingestion, dermal contact, and inhalation pathways. All other detected compounds associated with the hoist excavation were less than applicable RBCs or PRGs. The elevated concentrations of PAHs are located about 4 feet bgs, limiting the potential for contact by occupational workers.A no further action determination is proposed for the former Gull Service Station #50 site, and will be finalized after consideration of public comments. The final decision will be applicable to both the LUST and ECSI files.(12/12/05 KJR/ICP) No public comments were received. DEQ issued the No Further Action determination 12/5/05.

Administrative Action:

Action ID:	9424
Region:	Not reported
Complete Date:	11/17/2003
Rank Value:	Not reported
Cleanup Flag:	False
Created Date:	11/17/2003
Decode for AgencyID:	Department of Environmental Quality

GULL INDUSTRIES, INC. #50 (Continued) **U000432139**

Decode for RegionID: Not reported
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9435
Region: Northwestern Region
Complete Date: 09/20/2004
Rank Value: Not reported
Cleanup Flag: False
Created Date: 11/17/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: Independent Cleanup Program
Further Action: 0
Comments: Not reported

Action ID: 9469
Region: Northwestern Region
Complete Date: 10/07/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/09/2003
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: REMEDIAL ACTION
Further Action: 0
Comments: Not reported

Action ID: 9435
Region: Eastern Region
Complete Date: 12/01/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 09/20/2004
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Eastern Region
Category: Remedial Action
Action Code Flag: False
Action: Independent Cleanup Program
Further Action: 0
Comments: ICP with ODOT

Action ID: 9443
Region: Northwestern Region
Complete Date: 12/05/2005
Rank Value: Not reported
Cleanup Flag: False
Created Date: 12/01/2005
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region

GULL INDUSTRIES, INC. #50 (Continued) **U000432139**

Category: Remedial Action
Action Code Flag: False
Action: NO FURTHER STATE ACTION REQUIRED
Further Action: 0
Comments: Not reported

LUST:
Region: North Western Region
Facility ID: 26-02-1518
Cleanup Received Date: 12/12/2002
Cleanup Start Date: 12/12/2002
Cleanup Complete Date: 12/05/2005
Decode for Region: North West Region

UST:
Facility ID: 4902
Facility Telephone: (503)231-9212
Permittee Name: DON SJOLENDER, STATION REPRESENTATIVE
Number of Permitted Tanks: Not reported
Active Tanks: Not reported
Decommissioned Tanks: 3
Number of Tanks: 3

VCS:
ECS Site ID: 4018
Facility Size: 0.6 acre
Action: NO FURTHER STATE ACTION REQUIRED
Start Date: 12/05/2005
End Date: 12/05/2005
Facility Status: Completed
Program: ICP
Latitude: 45.50249
Longitude: -122.6611

---

585 SW 1/2-1 0.989 mi. 5220 ft. **SW MOODY AVE. - RIGHT-OF-WAY** **OR ECSI** **S103842331**
SW MOODY AVE. **N/A**
PORTLAND, OR 97201

Relative: Lower

Actual: 37 ft.

ECSI:
State ID Number: 1401
Brown ID: 0
Study Area: False
Region ID: 2
Legislatve ID: 0
Investigation: Suspect
FACA ID: 8870
Further Action: 0
Lat/Long (dms): 45 30 21.00 / -122 40 25.00
County Code: 26.00
Score Value: Not reported
Cerclis ID: Not reported
Township Coord.: 1.00
Township Zone: S
Range Coord: 1.00

SW MOODY AVE. - RIGHT-OF-WAY (Continued) **S103842331**

Range Zone: E
Section Coord: 3
Qtr Section: Not reported
Tax Lots: Not reported
Size: Not reported
NPL: False
Orphan: False
Updated By: GWISTAR
Update Date: 07/14/2014
Created Date: 07/08/1993
Decode For RegionID: Northwest Region
Decode For BrownID: Not reported
Decode For Furtheract: Not reported
Decode For Investstat: Suspect
Decode For Legislative: Not reported

Narrative:

NARR ID: 5733082
NARR Code: Contamination
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Contamination
NARR Comments: (2nd Qtr/93 MMD/VCS) Petroleum contamination was detected when the Portland Development Commission (PDC) collected soil samples to evaluate the health and safety concerns for construction workers at the site. PDC requested VCS oversight of the road construction to the extent necessary to determine whether the road would exacerbate existing contamination or would adversely impact future remedial alternatives at the site.

NARR ID: 5733083
NARR Code: Hazardous Substance/Waste Types
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Hazardous Substance/Waste Types
NARR Comments: Heavy metals, volatile and semi-volatile organics, PCBs, and petroleum-related constituents.

NARR ID: 5733084
NARR Code: Site Location
Created By: Not reported
Created Date: 12/17/2002
Updated By: DHAFLEY
Updated Date: 08/20/2014
Decode for NarcdID: Site Location
NARR Comments: The SW Moody Avenue Extension is on the west bank of the Willamette River and north of the Marquam Bridge. The road runs adjacent to and south of the South Waterfront Redevelopment Area (ECSI site #602) that DEQ has been investigating since 1988.The rebuilt segement of Moody addressed by a 2010 CMMP with the City of Portland Bureau of Transportation extends from approximately SW River Parkway to SW Gibbs Street in the South Waterfront area.

NARR ID: 5733085

SW MOODY AVE. - RIGHT-OF-WAY (Continued) **S103842331**

NARR Code: Manner of Release
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Manner of Release
NARR Comments: Little is known about the immediate vicinity of the road south of the South Waterfront site. Preliminary assessments have not been conducted on properties adjacent to and east and west of the road extension.

NARR ID: 5733086
NARR Code: Pathways Other Hazards
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Pathways & Other Hazards
NARR Comments: The entire area was originally marshy and has been filled with industrial fill since the early 1900s.

NARR ID: 5733087
NARR Code: Remedial Action
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002
Decode for NarcdID: Remedial Action
NARR Comments: (2nd Qtr/93 MMD/VCS) Under a Letter Agreement, PDC and its consultant worked with VCS to develop a strategy for sampling soils within the right-of-way and along the length of the road extension as storm and sanitary sewer lines were placed. Because of construction schedules and contract demands, PDC determined that there was insufficient time to evaluate potential impacts to groundwater. The road design was modified to mitigate impacts of potentially contaminated soil and groundwater. Cement plugs were placed at selected intervals in the roadbed to prevent potentially contaminated groundwater from migrating along the preferential path the utility trenches were now providing. By the installation of these plugs, VCS determined that the road would not exacerbate existing contamination. Soil sampling and analysis detected the presence of elevated concentrations of petroleum product and lead in isolated pockets along the right-of-way. VCS informed PDC that this soil must be removed to health-based concentrations in order to establish that the road would not adversely impact future remedial alternatives. PDC determined that additional removal, sampling, testing, and data analysis would require more time and resources then they had for this project. PDC elected to terminate VCS oversight and retained RZA AGRA to continue investigation on a smaller scale, documenting soil conditions as the roadway construction continued.

NARR ID: 5733088
NARR Code: Substances of Concern
Created By: Not reported
Created Date: 12/17/2002
Updated By: Not reported
Updated Date: 12/17/2002

SW MOODY AVE. - RIGHT-OF-WAY (Continued) **S103842331**

Decode for NarcdID: Substances of Concern
NARR Comments: petroleum, PAHs, metals

NARR ID: 5754970
NARR Code: 1922
Created By: DHAFLEY
Created Date: 12/29/2013
Updated By: DHAFLEY
Updated Date: 08/20/2014
Decode for NarcdID: Current Site Summary Statement
NARR Comments: this limited segment of SW Moody Avenue is currently paved. Residual contamination beneath the street as identified by sampling in the 1990s is not a direct contact concern given the information presented above, nor utilities likely to facilitate preferential contaminant migration as cement plugs were placed within utilities to prevent contaminant migration along the utilities. Based on this information, the site is a low priority for further action under DEQ. Excavation below the roadway area may result in contaminated soil or shallow groundwater being encountered. In 2010-2011, improvements were made to SW Moody Avenue assocaited with the Portland Streetcar Gibbs Extension Project, including adjacent to the OHSU Schnitzer Campus property. A Contaminated Media Management Plan was developed for Portland Bureau of Transportation (URS, 2010) and approved by DEQ to manage contaminated soil encountered during redevelopment. Management (and) disposal of contaminated media (soil and groundwater) appears to have been completed satisfactorily. 37483 tons of contaminated soil were disposed of at Hillsboro Landfill, while 223,363 tons of material were taken to Tigard Sand and Gravel. DEQ's oversight does not constitute a NFA for the Moody Avenue segment, however any contaminated media remaining beneath the newly-constructed roadway are considered a low priority for further action. management

Administrative Action:
Action ID: 9426
Region: Northwestern Region
Complete Date: 12/30/2013
Rank Value: Not reported
Cleanup Flag: False
Created Date: 07/14/2014
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Northwest Region
Category: Remedial Action
Action Code Flag: False
Action: SITE PRIORITY EVALUATION FOR FURTHER ACTION
Further Action: 0
Comments: Site is considered a low priority for further action as subsurface contamination is capped by the SW Moody roadway. Contaminated soil or groundwater may be encountered below the road.

Action ID: 9440
Region: Headquarters
Complete Date: 04/01/1993
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action

SW MOODY AVE. - RIGHT-OF-WAY (Continued) **S103842331**

Action Code Flag: False
Action: Letter Agreement
Further Action: Not reported
Comments: Not reported

Action ID: 9425
Region: Headquarters
Complete Date: 03/14/1993
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: SITE EVALUATION
Further Action: Not reported
Comments: Not reported

Action ID: 9437
Region: Headquarters
Complete Date: 03/14/1993
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Listing Review completed
Further Action: Not reported
Comments: Not reported

Action ID: 9449
Region: Headquarters
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Listing Action
Action Code Flag: False
Action: Insufficient information to list
Further Action: Not reported
Comments: Not reported

Action ID: 9506
Region: Headquarters
Complete Date: 03/14/1993
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False

SW MOODY AVE. - RIGHT-OF-WAY (Continued) **S103842331**

Action: Site Investigation recommended (SI)
Further Action: Not reported
Comments: Not reported

Action ID: 9424
Region: Headquarters
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Administrative Action
Action Code Flag: False
Action: Site added to database
Further Action: Not reported
Comments: Not reported

Action ID: 9508
Region: Headquarters
Complete Date: 02/12/1994
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: Site Screening recommended (EV)
Further Action: 0
Comments: Not reported

Action ID: 9511
Region: Headquarters
Complete Date: Not reported
Rank Value: 0
Cleanup Flag: False
Created Date: 12/17/2002
Decode for AgencyID: Department of Environmental Quality
Decode for RegionID: Headquarters
Category: Remedial Action
Action Code Flag: False
Action: SITE INVESTIGATION
Further Action: Not reported
Comments: Project terminated by PDC 5/31/93.

Operations:
Operation Id: 132717
Operation Status: Active
Common Name: SW Moody ST - Right-Of-Way
Yrs of Operation: Not reported
Comments: Not reported
Updated Date: 10/06/1995
Updated By: dmc
Decode for OpstatID: Active

Count: 21 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PORTLAND	S108060529	HEATING OIL TANK	1315 SE 13TH AVE UNITS 3 & 4	97214	OR LUST
PORTLAND	S107134980	HEATING OIL TANK	1330-36 SE 14TH AVE	97214	OR LUST
PORTLAND	S108572939	HEATING OIL TANK	5940-44 SE 17TH AVE	97202	OR LUST
PORTLAND	1008375009	FORMER WHIRLPOOL DRY CLEANER SITE	4026 - 4036 SE HAWTHORNE BLVD	97214	OR ECSI, OR VCP, RCRA NonGen / NLR, OR MANIFEST
PORTLAND	S110072106	TRI-MET SOUTH CORRIDOR EXTENSION	ADJACENT TO I-205, BETWEEN NE		OR ECSI, OR VCP
PORTLAND	S104908038	HEATING OIL TANK	3655 SR BELMONT	97214	OR LUST
PORTLAND	S110639114	HAWTHORNE BRIDGE OVERPASS	SW CNR SE HAWTHORNE & SE MARTI	97214	OR LUST
PORTLAND	S108987292	GREYHOUND TANKS	NW IRVING ST BTWN 5TH & 6TH AV	97209	OR LUST
PORTLAND	S106475958	HEATING OIL TANK	1959 SE LADD AVE	97214	OR LUST
PORTLAND	S110510026	HEATING OIL TANK	1979 SE LADD AVE	97214	OR LUST
PORTLAND	1015736000	PACIFIC POWER & LIGHT-SW LINCOLN S	SW LINCOLN ST	97201	CERCLIS-NFRAP, RCRA NonGen / NI
PORTLAND	S111119964	PORTLAND-MILWAUKIE LIGHT RAIL (PML	MILWAUKIE TO PSU	97202	OR ECSI, OR VCP
PORTLAND	S105680841	OHSU - MOODY AVE. UNITS A, B, C	SW MOODY AVE. (SOUTH WATERFRON	97201	OR ECSI, OR CRL, OR ENG CONTROLS, OR VCP, OR BROWNFII
PORTLAND	S107421141	EAST SIDE CSO	NEAR SE 18TH & MCLOUGHLIN TO N		OR ECSI, OR VCP
PORTLAND	S110764041	ODOT - PORTLAND HARBOR SOURCE CONT	ODOT FACILITIES WITHIN PORTLAN		OR ECSI, OR VCP
PORTLAND	S106497104	V.A.- COLUMBIA SOUTH SHORE WELLFIE	N OF COLUMBIA/SANDY BLVDS. BET		OR ECSI
PORTLAND	S111429244	HOYT STREET RAILYARD (FORMER)	NORTH OF LOVEJOY BTWN NW 9TH &	97209	OR ECSI, OR CRL, OR ENG CONTROLS, OR INST CONTROL, OR VCP, OR BROWNFIELDS
PORTLAND	S103840033	ODOT REGION 1 PARCEL 2C	SE SALMON ST / MAIN ST / WATER	97214	OR LUST
PORTLAND	S113668879	HEATING OIL TANK	3847- 3849 SE BELMONT ST	97214	OR LUST
PORTLAND	S116760757	HEATING OIL TANK	537- 539 SE 15TH AVE	97214	OR LUST
PORTLAND	S107845141	HEATING OIL TANK	4794 SE STEPHENS ST	97214	OR LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/30/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: EPA
Telephone: N/A
Last EDR Contact: 01/26/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/30/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: EPA
Telephone: N/A
Last EDR Contact: 01/26/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/30/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: EPA
Telephone: N/A
Last EDR Contact: 01/26/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 04/08/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/06/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Varies

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 02/19/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 02/19/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015
Date Data Arrived at EDR: 05/29/2015
Date Made Active in Reports: 06/11/2015
Number of Days to Update: 13

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/16/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/10/2015
Date Data Arrived at EDR: 09/11/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/29/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/10/2015
Date Data Arrived at EDR: 09/11/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 53

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/29/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/22/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/29/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

ECSI: Environmental Cleanup Site Information System

Sites that are or may be contaminated and may require cleanup.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/07/2016
Date Made Active in Reports: 01/14/2016
Number of Days to Update: 7

Source: Department of Environmental Quality
Telephone: 503-229-6629
Last EDR Contact: 01/07/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

CRL: Confirmed Release List and Inventory

All facilities with a confirmed release.

Date of Government Version: 11/01/2015
Date Data Arrived at EDR: 11/19/2015
Date Made Active in Reports: 12/14/2015
Number of Days to Update: 25

Source: Department of Environmental Quality
Telephone: 503-229-6170
Last EDR Contact: 02/19/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/21/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 12/15/2015
Number of Days to Update: 53

Source: Department of Environmental Quality
Telephone: 503-229-6299
Last EDR Contact: 01/19/2016
Next Scheduled EDR Contact: 05/02/2016
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 10/01/2015
Date Data Arrived at EDR: 11/19/2015
Date Made Active in Reports: 12/15/2015
Number of Days to Update: 26

Source: Department of Environmental Quality
Telephone: 503-229-5790
Last EDR Contact: 02/19/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/27/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 06/22/2015
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/04/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/24/2015
Date Data Arrived at EDR: 12/01/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 34
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 08/20/2015
Date Data Arrived at EDR: 10/30/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 111
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/08/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Varies

UST: Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/01/2015
Date Data Arrived at EDR: 11/19/2015
Date Made Active in Reports: 12/15/2015
Number of Days to Update: 26

Source: Department of Environmental Quality
Telephone: 503-229-5815
Last EDR Contact: 02/19/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Quarterly

AST: Aboveground Storage Tanks

Aboveground storage tank locations reported to the Office of State Fire Marshal.

Date of Government Version: 11/25/2015
Date Data Arrived at EDR: 12/21/2015
Date Made Active in Reports: 02/01/2016
Number of Days to Update: 42

Source: Office of State Fire Marshal
Telephone: 503-378-3473
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/29/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 67

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/24/2015
Date Data Arrived at EDR: 12/01/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 34

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 52

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 08/20/2015
Date Data Arrived at EDR: 10/30/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 111

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 118

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/27/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 01/07/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 41

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Recorded at ESCI Sites

Engineering controls are physical measures selected or approved by the Director for the purpose of preventing or minimizing exposure to hazardous substances. Engineering controls may include, but are not limited to, fencing, capping, horizontal or vertical barriers, hydraulic controls, and alternative water supplies.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/07/2016
Date Made Active in Reports: 02/01/2016
Number of Days to Update: 25

Source: Department of Environmental Quality
Telephone: 503-229-5193
Last EDR Contact: 01/07/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

INST CONTROL: Institutional Controls Recorded at ESCI Sites

An institutional control is a legal or administrative tool or action taken to reduce the potential for exposure to hazardous substances. Institutional controls may include, but are not limited to, use restrictions, environmental monitoring requirements, and site access and security measures.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/07/2016
Date Made Active in Reports: 02/01/2016
Number of Days to Update: 25

Source: Department of Environmental Quality
Telephone: 503-229-5193
Last EDR Contact: 01/07/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/28/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCS: Voluntary Cleanup Program Sites
Responsible parties have entered into an agreement with DEQ to voluntarily address contamination associated with their property.

Date of Government Version: 01/05/2016
Date Data Arrived at EDR: 01/08/2016
Date Made Active in Reports: 02/01/2016
Number of Days to Update: 24
Source: DEQ
Telephone: 503-229-5256
Last EDR Contact: 12/30/2015
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Projects
Brownfields investigations and/or cleanups that have been conducted in Oregon.

Date of Government Version: 11/01/2015
Date Data Arrived at EDR: 11/19/2015
Date Made Active in Reports: 12/14/2015
Number of Days to Update: 25
Source: Department of Environmental Quality
Telephone: 503-229-6801
Last EDR Contact: 02/19/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Semi-Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/22/2015
Date Data Arrived at EDR: 12/23/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 57
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/21/2015
Next Scheduled EDR Contact: 04/04/2016
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facility Location Listing
A listing of recycling facility locations.

Date of Government Version: 12/01/2015
Date Data Arrived at EDR: 12/08/2015
Date Made Active in Reports: 02/01/2016
Number of Days to Update: 55
Source: Department of Environmental Quality
Telephone: 503-229-5353
Last EDR Contact: 03/02/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Quarterly

HIST LF: Old Closed SW Disposal Sites
A list of solid waste disposal sites that have been closed for a long while.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 07/08/2003
Date Made Active in Reports: 07/18/2003
Number of Days to Update: 10
Source: Department of Environmental Quality
Telephone: 503-229-5409
Last EDR Contact: 07/08/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/17/2015
Date Data Arrived at EDR: 12/04/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 76
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/01/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: No Update Planned

AOC MU: East Multnomah County Area
Approximate extent of TSA VOC plume February , 2002

Date of Government Version: N/A
Date Data Arrived at EDR: 10/07/2002
Date Made Active in Reports: 10/22/2002
Number of Days to Update: 15

Source: City of Portland Environmental Services
Telephone: 503-823-5310
Last EDR Contact: 03/13/2007
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

AOC COL: Columbia Slough
Columbia Slough waterway boundaries.

Date of Government Version: 08/10/2005
Date Data Arrived at EDR: 05/17/2006
Date Made Active in Reports: 06/16/2006
Number of Days to Update: 30

Source: City of Portland Environmental Services
Telephone: 503-823-5310
Last EDR Contact: 03/13/2007
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CDL 2: Clandestine Drug Lab Site Listing
A listing of clandestine drug lab site locations included in the Incident database.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 05/07/2014
Date Made Active in Reports: 05/22/2014
Number of Days to Update: 15

Source: Oregon State Police
Telephone: 503-373-1540
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Varies

CDL: Uninhabitable Drug Lab Properties
The properties listed on these county pages have been declared by a law enforcement agency to be unfit for use due to meth lab and/or storage activities. The properties are considered uninhabitable until cleaned up by a state certified decontamination contractor and a certificate of fitness is issued by the Oregon Health Division.

Date of Government Version: 10/23/2015
Date Data Arrived at EDR: 11/17/2015
Date Made Active in Reports: 12/14/2015
Number of Days to Update: 27

Source: Department of Consumer & Business Services
Telephone: 503-378-4133
Last EDR Contact: 02/09/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/17/2015
Date Data Arrived at EDR: 12/04/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 76

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/01/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/30/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Annually

SPILLS: Spill Data
Oil and hazardous material spills reported to the Environmental Response Program.

Date of Government Version: 09/29/2015
Date Data Arrived at EDR: 10/01/2015
Date Made Active in Reports: 11/10/2015
Number of Days to Update: 40

Source: Department of Environmental Quality
Telephone: 503-229-5815
Last EDR Contact: 12/30/2015
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Semi-Annually

HAZMAT: Hazmat/Incidents
Hazardous material incidents reported to the State Fire Marshal by emergency responders. The hazardous material may or may not have been released.

Date of Government Version: 09/28/2015
Date Data Arrived at EDR: 11/08/2015
Date Made Active in Reports: 01/05/2016
Number of Days to Update: 58

Source: State Fire Marshal's Office
Telephone: 503-373-1540
Last EDR Contact: 02/03/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Semi-Annually

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 05/01/2006
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/09/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: (206) 553-1200
Last EDR Contact: 12/18/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/11/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/15/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/15/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/19/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/01/2015
Date Data Arrived at EDR: 09/03/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/16/2016
Next Scheduled EDR Contact: 05/30/2016
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/09/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/12/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/23/2015
Next Scheduled EDR Contact: 04/04/2016
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 110

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/24/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/11/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015
Date Data Arrived at EDR: 08/26/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/25/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/12/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/12/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 01/08/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/26/2015
Date Data Arrived at EDR: 07/10/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 95
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/13/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/11/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/29/2016
Next Scheduled EDR Contact: 05/09/2016
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/07/2015
Date Data Arrived at EDR: 07/09/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/07/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/03/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/23/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/26/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/15/2016
Next Scheduled EDR Contact: 04/25/2016
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 11/23/2015
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 86

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 01/26/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/22/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/22/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Annually

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2015
Date Data Arrived at EDR: 09/01/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 125

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/02/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/04/2015
Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 12/04/2015
Next Scheduled EDR Contact: 03/14/2016
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/20/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 55

Source: EPA
Telephone: (206) 553-1200
Last EDR Contact: 12/10/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AIRS: Oregon Title V Facility Listing
A listing of Title V facility source and emissions information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 01/16/2015
Date Made Active in Reports: 02/27/2015
Number of Days to Update: 42

Source: Department of Environmental Quality
Telephone: 503-229-6459
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites Listing
A listing of coal ash disposal sites.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 09/10/2015
Date Made Active in Reports: 11/10/2015
Number of Days to Update: 61

Source: Department of Environmental Quality
Telephone: 541-298-7255
Last EDR Contact: 12/07/2015
Next Scheduled EDR Contact: 03/21/2016
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Facilities
A listing of registered drycleaning facilities in Oregon.

Date of Government Version: 11/12/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 12/14/2015
Number of Days to Update: 31

Source: Department of Environmental Quality
Telephone: 503-229-6783
Last EDR Contact: 02/16/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information for hazardous waste facilities.

Date of Government Version: 11/17/2015
Date Data Arrived at EDR: 12/04/2015
Date Made Active in Reports: 02/01/2016
Number of Days to Update: 59

Source: Department of Environmental Quality
Telephone: 541-633-2011
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
Financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/19/2015
Date Data Arrived at EDR: 11/23/2015
Date Made Active in Reports: 12/15/2015
Number of Days to Update: 22

Source: Department of Environmental Quality
Telephone: 503-229-5521
Last EDR Contact: 02/22/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Varies

HSIS: Hazardous Substance Information Survey
Companies in Oregon submitting the Hazardous Substance Information Survey and either reporting or not reporting hazardous substances.

Date of Government Version: 11/25/2015
Date Data Arrived at EDR: 12/21/2015
Date Made Active in Reports: 02/01/2016
Number of Days to Update: 42

Source: State Fire Marshal's Office
Telephone: 503-373-1540
Last EDR Contact: 02/01/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Semi-Annually

OR MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 06/16/2015
Date Made Active in Reports: 07/24/2015
Number of Days to Update: 38

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 02/23/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Annually

NPDES: Wastewater Permits Database
A listing of permitted wastewater facilities.

Date of Government Version: 11/12/2015
Date Data Arrived at EDR: 11/13/2015
Date Made Active in Reports: 12/15/2015
Number of Days to Update: 32

Source: Department of Environmental Quality
Telephone: 503-229-5657
Last EDR Contact: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016
Data Release Frequency: Quarterly

UIC: Underground Injection Control Program Database
DEQ's Underground Injection Control Program is authorized by the Environmental Protection Agency (EPA) to regulate all underground injection in Oregon to protect groundwater resources.

Date of Government Version: 12/22/2015
Date Data Arrived at EDR: 12/28/2015
Date Made Active in Reports: 02/01/2016
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 503-229-5945
Last EDR Contact: 12/11/2015
Next Scheduled EDR Contact: 04/11/2016
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/20/2015
Date Data Arrived at EDR: 09/23/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 103

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 12/21/2015
Next Scheduled EDR Contact: 04/04/2016
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/23/2015
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 86

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/24/2016
Next Scheduled EDR Contact: 06/06/2016
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Oregon.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Oregon.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Oregon.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/27/2013
Number of Days to Update: 179

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/02/2015
Date Data Arrived at EDR: 11/08/2015
Date Made Active in Reports: 12/09/2015
Number of Days to Update: 31

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/03/2016
Next Scheduled EDR Contact: 05/16/2016
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/09/2015
Next Scheduled EDR Contact: 03/28/2016
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Child Care Listings
Source: Employment Department
Telephone: 503-947-1420

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory Data
Source: Oregon Geospatial Enterprise Office
Telephone: 503-378-2166

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PROPOSED SE PORLTAND REDEVELOPMENT SITE
1306 SE 9TH AVE
PORTLAND, OR 97214

TARGET PROPERTY COORDINATES

Latitude (North):	45.513427 - 45° 30' 48.34''
Longitude (West):	122.656205 - 122° 39' 22.34''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	526854.0
UTM Y (Meters):	5039828.0
Elevation:	42 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6067252 PORTLAND, OR
Version Date:	2014
South Map:	6067228 LAKE OSWEGO, OR
Version Date:	2014

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

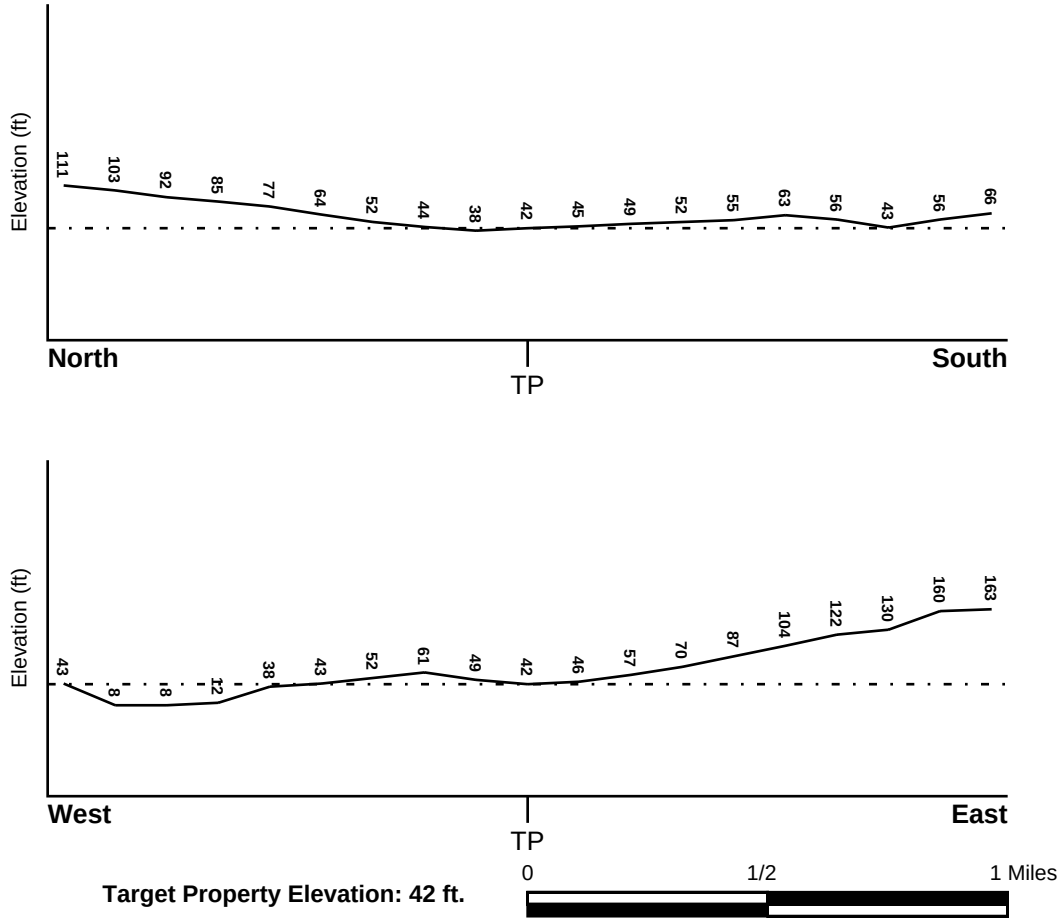
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 42 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
MULTNOMAH, OR	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 41051C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
PORTLAND	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

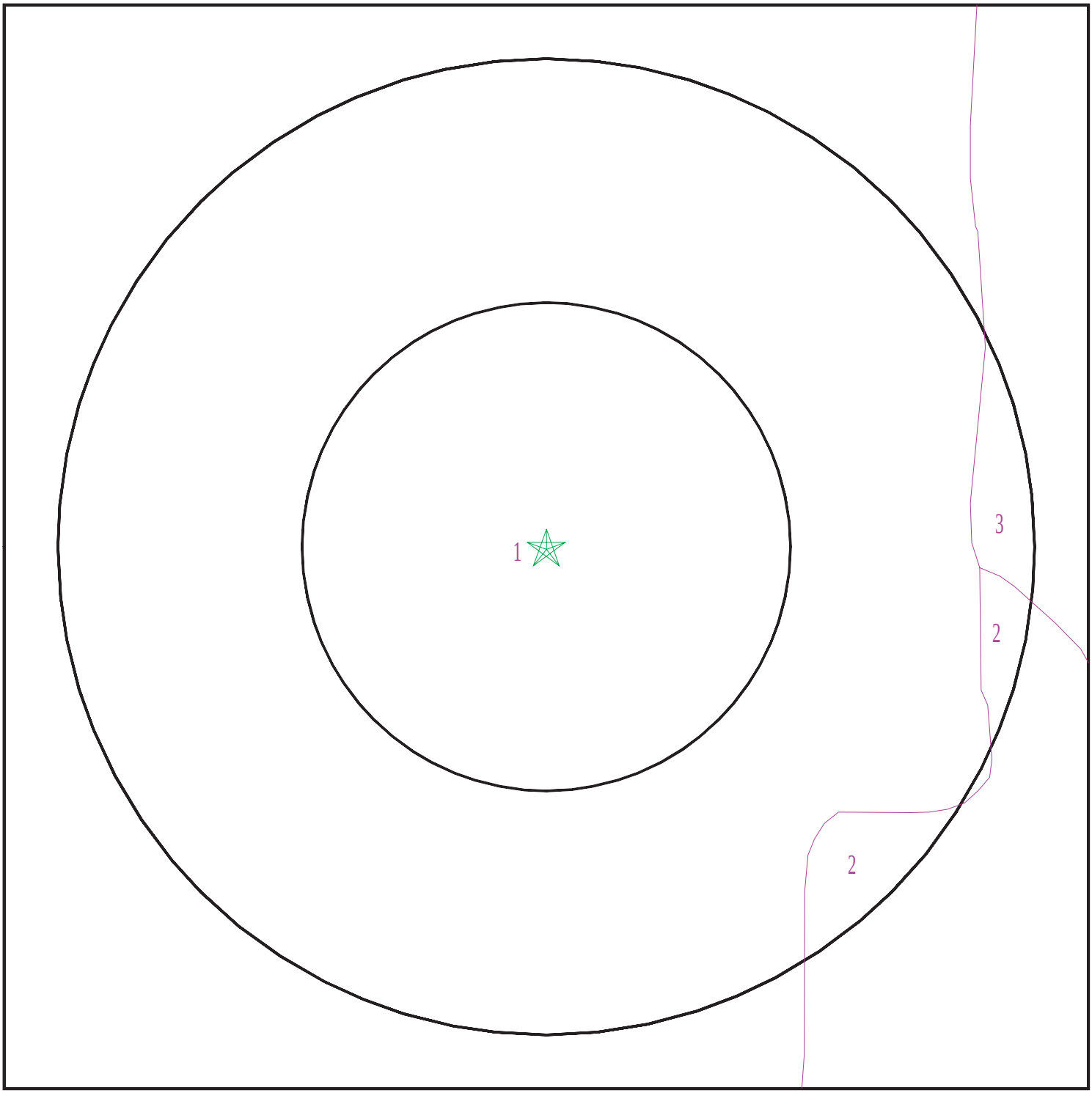
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4554862.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Proposed SE Portland Redevelopment Site	CLIENT:	GeoDesign Inc.
ADDRESS:	1306 SE 9th Ave Portland OR 97214	CONTACT:	Kevin Cline
LAT/LONG:	45.513427 / 122.656205	INQUIRY #:	4554862.2s
		DATE:	March 03, 2016 6:46 pm

Copyright © 2016 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
9	USGS40000993657	1/4 - 1/2 Mile SE
G30	USGS40000993633	1/2 - 1 Mile SSW
K43	USGS40000993751	1/2 - 1 Mile NNE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

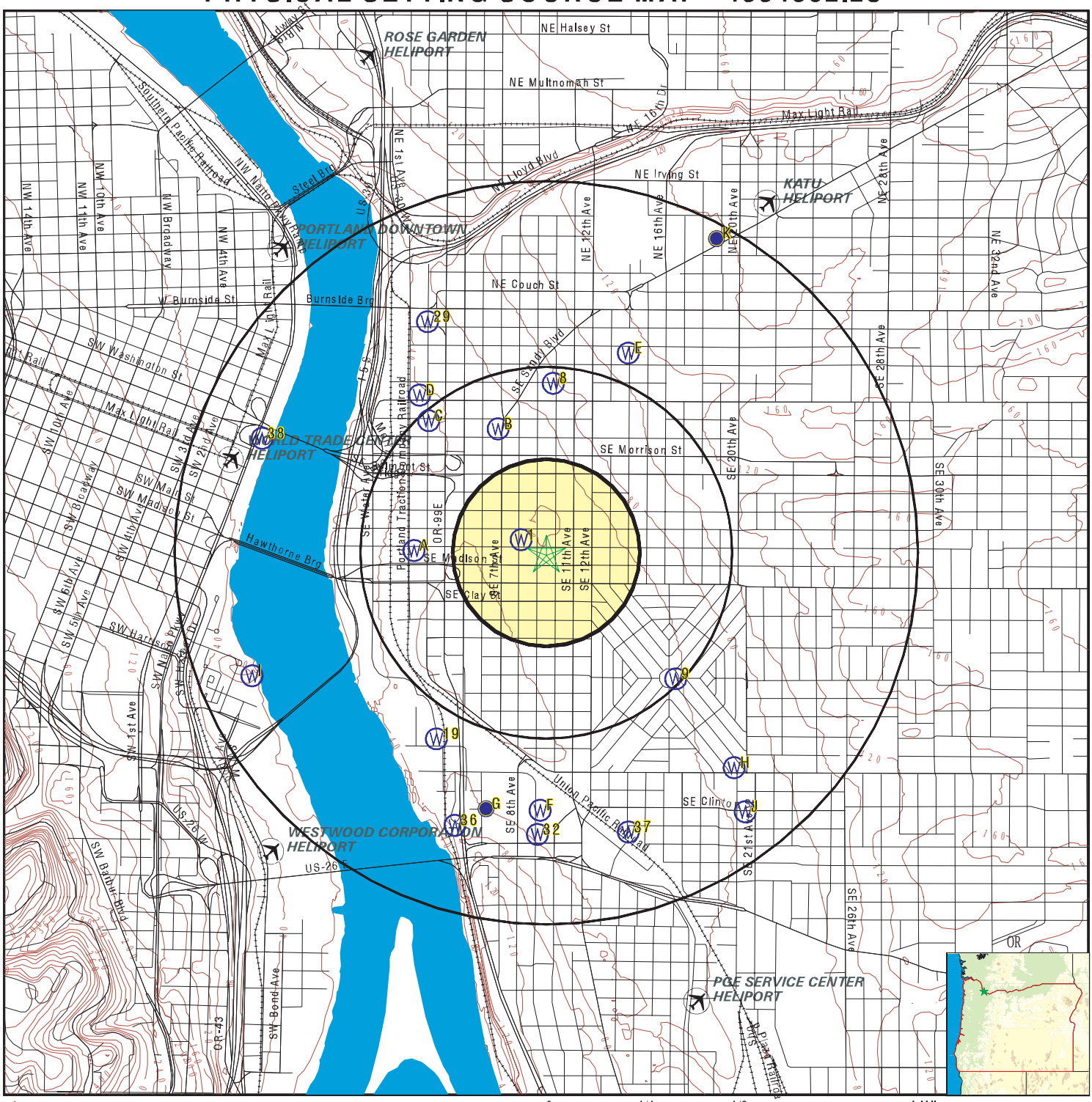
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	ORW500000004526	0 - 1/8 Mile WNW
A2	ORI500000044990	1/4 - 1/2 Mile West
A3	ORI500000044991	1/4 - 1/2 Mile West
B4	ORI500000045163	1/4 - 1/2 Mile NNW
B5	ORI500000045162	1/4 - 1/2 Mile NNW
A6	ORI500000044988	1/4 - 1/2 Mile West
C7	ORI500000037483	1/4 - 1/2 Mile NW
8	ORI500000044758	1/4 - 1/2 Mile North
C10	ORI500000043946	1/4 - 1/2 Mile NW
C11	ORI500000043945	1/4 - 1/2 Mile NW
C12	ORI500000045239	1/4 - 1/2 Mile NW
D13	ORI500000038398	1/2 - 1 Mile NW
D14	ORI500000038447	1/2 - 1 Mile NW
D15	ORI500000038464	1/2 - 1 Mile NW
D16	ORI500000038448	1/2 - 1 Mile NW
E17	ORI500000050672	1/2 - 1 Mile NNE
E18	ORI500000050682	1/2 - 1 Mile NNE
19	ORI500000037077	1/2 - 1 Mile SSW
F20	ORI500000048036	1/2 - 1 Mile South
F21	ORI500000048035	1/2 - 1 Mile South
F22	ORI500000048037	1/2 - 1 Mile South
F23	ORI500000048043	1/2 - 1 Mile South
F24	ORI500000048039	1/2 - 1 Mile South
F25	ORI500000048038	1/2 - 1 Mile South
F26	ORI500000048042	1/2 - 1 Mile South
F27	ORI500000048041	1/2 - 1 Mile South
F28	ORI500000048040	1/2 - 1 Mile South
29	ORI500000032631	1/2 - 1 Mile NNW
G31	ORW500000014221	1/2 - 1 Mile SSW
32	ORW500000004520	1/2 - 1 Mile South
H33	ORI500000041562	1/2 - 1 Mile SE
H34	ORI500000041563	1/2 - 1 Mile SE
H35	ORI500000041561	1/2 - 1 Mile SE
36	ORI500000038072	1/2 - 1 Mile SSW
37	ORI500000033356	1/2 - 1 Mile SSE
38	ORW500000008655	1/2 - 1 Mile WNW
I39	ORI500000036967	1/2 - 1 Mile WSW
I40	ORI500000036969	1/2 - 1 Mile WSW
J41	ORI500000049038	1/2 - 1 Mile SE
J42	ORW500000012488	1/2 - 1 Mile SE
K44	ORW500000003698	1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 4554862.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location

SITE NAME:	Proposed SE Portland Redevelopment Site	CLIENT:	GeoDesign Inc.
ADDRESS:	1306 SE 9th Ave Portland OR 97214	CONTACT:	Kevin Cline
		INQUIRY #:	4554862.2s
LAT/LONG:	45.513427 / 122.656205	DATE:	March 03, 2016 6:46 pm

Copyright © 2016 EDR, Inc. © 2015 TomTom Rel. 2015.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
1 **WNW** **0 - 1/8 Mile** **Higher**	**OR WELLS**	**ORW500000004526**

Fid:	4525	Objectid:	4547
Logid:	MULT 2712	Lstupdate:	01/01/1990
Establby:	KARL WOZNIAK	Xysource:	UNKNOWN
Horizerr:	1000	Sourceorg:	OWRD
Sourceowrd:	USGS WILLGW	Waypoint:	Not Reported
Welltag:	0		
Sownum:	0	Obswell:	9
Recwell:	9	Obsflagall:	Not Reported
Lsdelev:	40		
Latitude:	45.5139338284		
Longitude:	-122.65759644		
Site id:	ORW500000004526		

A2 **West** **1/4 - 1/2 Mile** **Higher**	**OR WELLS**	**ORI500000044990**

Fid:	44989	Well inspe:	0
Physical l:	Not Reported	Inspection:	2008-06-24 00:00:00.000
Startcard :	198166	Wl county :	MULT
Wl nbr:	94494	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	EAST SIDE PLATING INC.		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported

Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	95708	Bonded lic:	10408
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	5000	Township:	1
Township c:	N	Range:	1
Range char:	E	Sctn:	3
Qtr40:	SE	Qtr160:	NE
Latitude d:	45.51355000	Longitude :	-122.66326000
Gps horizo:	28.00000000	Year const:	2008
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	N	Previous i:	0
Inspected :	L R	Inspecte00:	125133
Wm region:	NW		
Well tag a:	ZIP TIE AROUND CASING		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JP
Pictures t:	0	Street of :	1300 SE 2ND AVE
Street o00:	1300 SE 2ND AVE		
Last updt :	2008-08-01 15:26:06.217		
Last upd00:	ramseyll	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.51355		
Loongitude:	-122.66326		
Site id:	ORI500000044990		

A3
West
1/4 - 1/2 Mile
Higher

OR WELLS **ORI500000044991**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	44990	Well inspe:	0
Physical l:	Not Reported	Inspection:	2008-06-24 00:00:00.000
Startcard :	198164	Wl county :	MULT
Wl nbr:	94496	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	EAST SIDE PLATING INC.		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	95706	Bonded lic:	10408
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	5000	Township:	1
Township c:	N	Range:	1
Range char:	E	Sctn:	3
Qtr40:	SE	Qtr160:	NE

Latitude d:	45.51340000	Longitude :	-122.66349000
Gps horizo:	22.00000000	Year const:	2008
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	N	Previous i:	0
Inspected :	L R	Inspecte00:	125133
Wm region:	NW		
Well tag a:	ZIP TIE AROUND CASING		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JP
Pictures t:	0	Street of :	1300 SE 2ND AVE
Street o00:	1300 SE 2ND AVE		
Last updt :	2008-10-22 12:04:33.810		
Last upd00:	byrdkr	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.5134		
Loongitude:	-122.66349		
Site id:	ORI500000044991		

B4
NNW
1/4 - 1/2 Mile
Higher

OR WELLS **ORI500000045163**

Fid:	45162	Well inspe:	0
Physical l:	Not Reported	Inspection:	2008-07-28 00:00:00.000
Startcard :	190471	Wl county :	MULT
Wl nbr:	90476	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	KLEINFELDER		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported

Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	Not Reported	Bonded lic:	10563
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	Not Reported	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	2
Qtr40:	NW	Qtr160:	NW
Latitude d:	45.51825000	Longitude :	-122.65887000
Gps horizo:	25.00000000	Year const:	2007
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	N	Previous i:	0
Inspected :	L R	Inspecte00:	125133
Wm region:	NW		
Well tag a:	Not Reported		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JP
Pictures t:	0	Street of :	635 SE 7TH AVE,
Street o00:	SE 7TH AND ALDER, PORTLAND		
Last updt :	2008-08-01 16:03:23.390		
Last upd00:	ramseyll	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.51825		
Loongitude:	-122.65887		
Site id:	ORI500000045163		

B5
NNW
1/4 - 1/2 Mile
Higher

OR WELLS **ORI500000045162**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	45161	Well inspe:	0
Physical l:	Not Reported	Inspection:	2008-07-28 00:00:00.000
Startcard :	190474	Wl county :	MULT
Wl nbr:	90477	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	KLEINFELDER		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	92080	Bonded lic:	10563
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	Not Reported	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	2
Qtr40:	NW	Qtr160:	NW

Latitude d:	45.51826000	Longitude :	-122.65887000
Gps horizo:	21.00000000	Year const:	2007
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	N	Previous i:	0
Inspected :	L R	Inspecte00:	125133
Wm region:	NW		
Well tag a:	Not Reported		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JP
Pictures t:	0	Street of :	635 SE 7TH AVE,
Street o00:	SE 7TH AND ALDER, PORTLAND		
Last updt :	2008-08-01 16:02:09.043		
Last upd00:	ramseyll	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.51826		
Loongitude:	-122.65887		
Site id:	ORI500000045162		

A6
West
1/4 - 1/2 Mile
Higher

OR WELLS **ORI500000044988**

Fid:	44987	Well inspe:	0
Physical l:	Not Reported	Inspection:	2008-06-24 00:00:00.000
Startcard :	198162	Wl county :	MULT
Wl nbr:	94498	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	EAST SIDE PLATING		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported

Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	95704	Bonded lic:	10408
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	5000	Township:	1
Township c:	N	Range:	1
Range char:	E	Sctn:	3
Qtr40:	SE	Qtr160:	NE
Latitude d:	45.51359000	Longitude :	-122.66385000
Gps horizo:	32.00000000	Year const:	2008
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	N	Previous i:	0
Inspected :	L R	Inspecte00:	125133
Wm region:	NW		
Well tag a:	ZIP TIE ON CASING		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JP
Pictures t:	0	Street of :	1300 SE 2ND AVE
Street o00:	1300 SE 2ND AVE		
Last updt :	2008-10-22 12:04:23.967		
Last upd00:	byrdkr	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.51359		
Loongitude:	-122.66385		
Site id:	ORI500000044988		

C7
NW
1/4 - 1/2 Mile
Lower

OR WELLS **ORI500000037483**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	37482	Well inspe:	0
Physical l:	Not Reported	Inspection:	2004-12-20 00:00:00.000
Startcard :	171389	Wl county :	Not Reported
Wl nbr:	Not Reported	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	CITY OF PORTLAND		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	67093	Bonded lic:	10192
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	Not Reported	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	3
Qtr40:	NE	Qtr160:	NE

Latitude d:	45.51793000	Longitude :	-122.66235000
Gps horizo:	40.00000000	Year const:	2004
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	U	Previous i:	0
Inspected :	J J	Inspecte00:	113341
Wm region:	NW		
Well tag a:	PLASTIC STRAP EMBEDDED IN CONCRETE		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JP
Pictures t:	0	Street of :	Not Reported
Street o00:	SE 3RD AVE AT SE ALDER ST		
Last updt :	2005-01-18 09:25:01.000		
Last upd00:	jefferjw	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.51793		
Loongitude:	-122.66235		
Site id:	ORI500000037483		

8
North
1/4 - 1/2 Mile
Higher

OR WELLS **ORI500000044758**

Fid:	44757	Well inspe:	0
Physical l:	Not Reported	Inspection:	2007-11-13 00:00:00.000
Startcard :	191811	Wl county :	MULT
Wl nbr:	88867	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	CITY OF PORTLAND; DEPARTMENT OF TRANSPORTATION		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported

Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	89531	Bonded lic:	10442
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	Not Reported	Township:	1
Township c:	N	Range:	1
Range char:	E	Sctn:	35
Qtr40:	SE	Qtr160:	SW
Latitude d:	45.52003000	Longitude :	-122.65581000
Gps horizo:	18.50000000	Year const:	2007
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	N	Previous i:	0
Inspected :	G B	Inspecte00:	107899
Wm region:	NW		
Well tag a:	ZIP TIE IN CONCRETE		
Well tag01:	Not Reported	Depth:	74.00
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JP
Pictures t:	0	Street of :	SE 10TH AVE; AT
Street o00:	SE 10TH AVE; AT OAK ST		
Last updt :	2007-11-13 14:35:00.090		
Last upd00:	burtonge	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.52003		
Loongitude:	-122.65581		
Site id:	ORI500000044758		

9
SE
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000993657**

Org. Identifier:	USGS-OR		
Formal name:	USGS Oregon Water Science Center		
Monloc Identifier:	USGS-453032122385201		
Monloc name:	01S/01E-02DBC		
Monloc type:	Well		
Monloc desc:	QUALITY STUDY'		
Huc code:	17090012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.5085111
Longitude:	-122.649025	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	55.00
Vert measure units:	feet	Vertacc measure val:	05
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Willamette Lowland basin-fill aquifers		
Formation type:	Troutdale Formation		
Aquifer type:	Unconfined single aquifer		
Construction date:	19940928	Welldepth:	76.9
Welldepth units:	ft	Wellholedepth:	77
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-07-25	20.13		1995-03-14	19.32	
1994-12-14	19.87		1994-11-18	20.37	

C10
NW
1/4 - 1/2 Mile
Lower

OR WELLS **ORI500000043946**

Fid:	43945	Well inspe:	0
Physical l:	Not Reported	Inspection:	2007-06-06 00:00:00.000
Startcard :	193203	Wl county :	MULT
Wl nbr:	88931	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	DEPARTMENT OF ECOLOGY NW REGION		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported

Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	90576	Bonded lic:	1850
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	600	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	3
Qtr40:	Not Reported	Qtr160:	Not Reported
Latitude d:	45.51876000	Longitude :	-122.66285000
Gps horizo:	6.00000000	Year const:	2007
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	U	Previous i:	1
Inspected :	J J	Inspecte00:	113341
Wm region:	NW		
Well tag a:	BANDED TO CASING		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	W	Casing cap:	OT
Pictures t:	0	Street of :	SE 3RD AVE AND W
Street o00:	SE 3RD AND WASHINGTON		
Last updt :	2007-08-08 09:35:24.107		
Last upd00:	jefferjw	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.51876		
Loongitude:	-122.66285		
Site id:	ORI500000043946		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C11
NW
1/4 - 1/2 Mile
Lower

OR WELLS **ORI500000043945**

Fid:	43944	Well inspe:	0
Physical l:	Not Reported	Inspection:	2007-06-06 00:00:00.000
Startcard :	193203	Wl county :	MULT
Wl nbr:	88931	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	DEPARTMENT OF ECOLOGY NW REGION		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported

Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	90577	Bonded lic:	1850
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	600	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	3
Qtr40:	Not Reported	Qtr160:	Not Reported
Latitude d:	45.51880000	Longitude :	-122.66283000
Gps horizo:	6.00000000	Year const:	2007
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	U	Previous i:	0
Inspected :	J J	Inspecte00:	113341
Wm region:	NW		
Well tag a:	BANDED TO CASING		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	W	Casing cap:	OT
Pictures t:	0	Street of :	SE 3RD AVE AND W
Street o00:	SE 3RD AND WASHINGTON		
Last updt :	2007-08-08 09:32:06.373		
Last upd00:	jefferjw	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.5188		
Loongitude:	-122.66283		
Site id:	ORI500000043945		

C12
NW
1/4 - 1/2 Mile
Lower

OR WELLS **ORI500000045239**

Fid:	45238	Well inspe:	0
Physical l:	Not Reported	Inspection:	2007-06-06 00:00:00.000
Startcard :	193202	Wl county :	MULT
Wl nbr:	88932	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	DEPARTMENT OF ECOLOGY NW REGION		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported

Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	Not Reported	Bonded lic:	1850
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	600	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	3
Qtr40:	Not Reported	Qtr160:	Not Reported
Latitude d:	45.51880000	Longitude :	-122.66283000
Gps horizo:	6.00000000	Year const:	2007
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	U	Previous i:	0
Inspected :	J J	Inspecte00:	113341
Wm region:	NW		
Well tag a:	BANDED TO CASING		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	W	Casing cap:	OT
Pictures t:	0	Street of :	SE 3RD AND WASHI
Street o00:	SE 3RD AND WASHINGTON		
Last updt :	2007-12-17 08:14:33.060		
Last upd00:	jefferjw	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.5188		
Loongitude:	-122.66283		
Site id:	ORI500000045239		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D13
NW
1/2 - 1 Mile
Lower | **OR WELLS** | **ORI500000038398**

Fid:	38397	Well inspe:	0
Physical l:	Not Reported	Inspection:	2005-10-17 00:00:00.000
Startcard :	180952	Wl county :	Not Reported
Wl nbr:	Not Reported	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	CITY OF PORTLAND		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	WELL LOCATION IS SE STARK & SE 3RD IN PORTLAND		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported

Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	79868	Bonded lic:	10442
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	Not Reported	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	14
Qtr40:	SE	Qtr160:	NW
Latitude d:	45.51961000	Longitude :	-122.66277000
Gps horizo:	22.30000000	Year const:	2005
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	U	Previous i:	0
Inspected :	JJU	Inspecte00:	113341
Wm region:	NW		
Well tag a:	ZIP TIE IN CONCRETE		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	Not Reported	Casing cap:	JP
Pictures t:	0	Street of :	Not Reported
Street o00:	SE 18TH AND SE INSLEY		
Last updt :	2005-10-31 17:12:07.000		
Last upd00:	ungerjj	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.51961		
Loongitude:	-122.66277		
Site id:	ORI500000038398		

D14
NW
1/2 - 1 Mile
Lower

OR WELLS **ORI500000038447**

Fid:	38446	Well inspe:	0
Physical l:	Not Reported	Inspection:	2005-07-11 00:00:00.000
Startcard :	174055	Wl county :	MULT
Wl nbr:	78276	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	ALPINE FOOD DISTRIBUTING INC.		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported

Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	77101	Bonded lic:	10011
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	1000	Township:	1
Township c:	N	Range:	1
Range char:	E	Sctn:	34
Qtr40:	SE	Qtr160:	SE
Latitude d:	45.51950000	Longitude :	-122.66337000
Gps horizo:	12.00000000	Year const:	2005
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	U	Previous i:	0
Inspected :	JJU	Inspecte00:	113341
Wm region:	NW		
Well tag a:	Not Reported		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JP
Pictures t:	0	Street of :	205 SE STARK ST
Street o00:	205 SE STARK ST		
Last updt :	2006-03-07 16:32:49.000		
Last upd00:	ungerjj	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.5195		
Loongitude:	-122.66337		
Site id:	ORI500000038447		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D15
NW
1/2 - 1 Mile
Lower | **OR WELLS** | **ORI500000038464**

Fid:	38463	Well inspe:	0
Physical l:	Not Reported	Inspection:	2005-07-11 00:00:00.000
Startcard :	174057	Wl county :	MULT
Wl nbr:	78274	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	ALPINE FOOD DISTRIBUTING INC.		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported

Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	77103	Bonded lic:	10011
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	1000	Township:	1
Township c:	N	Range:	1
Range char:	E	Sctn:	34
Qtr40:	SE	Qtr160:	SE
Latitude d:	45.51957000	Longitude :	-122.66329000
Gps horizo:	14.00000000	Year const:	2005
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	U	Previous i:	0
Inspected :	JJU	Inspecte00:	113341
Wm region:	NW		
Well tag a:	Not Reported		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JP
Pictures t:	0	Street of :	205 SE STARK ST
Street o00:	205 SE STARK ST		
Last updt :	2006-03-07 16:16:59.000		
Last upd00:	ungerjj	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.51957		
Loongitude:	-122.66329		
Site id:	ORI500000038464		

D16
NW
1/2 - 1 Mile
Lower

OR WELLS **ORI500000038448**

Fid:	38447	Well inspe:	0
Physical l:	Not Reported	Inspection:	2005-07-11 00:00:00.000
Startcard :	174056	Wl county :	MULT
Wl nbr:	78275	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	ALPINE FOOD DISTRIBUTING INC.		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported

Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	77102	Bonded lic:	10011
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	1000	Township:	1
Township c:	N	Range:	1
Range char:	E	Sctn:	34
Qtr40:	SE	Qtr160:	SE
Latitude d:	45.51960000	Longitude :	-122.66346000
Gps horizo:	19.00000000	Year const:	2005
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	U	Previous i:	0
Inspected :	JJU	Inspecte00:	113341
Wm region:	NW		
Well tag a:	Not Reported		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JP
Pictures t:	0	Street of :	205 SE STARK ST
Street o00:	205 SE STARK ST		
Last updt :	2006-03-07 15:16:50.000		
Last upd00:	ungerjj	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.5196		
Loongitude:	-122.66346		
Site id:	ORI500000038448		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E17
NNE
1/2 - 1 Mile
Higher

OR WELLS **ORI500000050672**

Fid:	50671	Well inspe:	0
Physical l:	Not Reported	Inspection:	2011-03-22 00:00:00.000
Startcard :	Not Reported	Wl county :	Not Reported
Wl nbr:	Not Reported	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	1
Property o:	Not Reported	Inspecti00:	CMP
Special st:	0	Title:	WIN
Inspecti01:	COM	Witnesses:	lando
Name owner:	john roe		
Street:	217 s	City:	portl
State:	OR	Zip:	Not Reported
Phone home:	80521	Phone comp:	Not Reported
Gps on wel:	0	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	0
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	0
Consultant:	0	Water in v:	0
Seal test :	Not Reported	Samples ta:	0
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	96.00
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	96.00
Depth be00:	Not Reported	Tape hold:	0.00
Tape missi:	0.00	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	well		
Inspecti02:	inspected well to give landowner direction on how to abandon the well. Landowner		
Work new:	0	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	1	Work exist:	0
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	0
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	0
Drill othe:	dug	Use domest:	1
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	0
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0

Use recove:	0	Use other:	Not Reported
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	well
Well tag00:	Not Reported	Bonded lic:	Not Reported
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	Not Reported	Township:	1
Township c:	N	Range:	1
Range char:	E	Sctn:	35
Qtr40:	SE	Qtr160:	SW
Latitude d:	45.52121000	Longitude :	-122.65165000
Gps horizo:	19.00000000	Year const:	Not Reported
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	Y	Previous i:	0
Inspected :	Not Reported	Inspecte00:	107906
Wm region:	NW		
Well tag a:	Not Reported		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	Not Reported
Location r:	dug w	Site visit:	Not Reported
Type of lo:	W	Casing cap:	Not Reported
Pictures t:	1	Street of :	Not Reported
Street o00:	217 se 14th ave in portland		
Last updt :	2012-03-15 11:13:42.837		
Last upd00:	byrdkr	Rec creati:	2011-03-22 11:48:15.643
Rec crea00:	byrdkr		
Latitude:	45.52121		
Loongitude:	-122.65165		
Site id:	ORI500000050672		

E18
NNE
1/2 - 1 Mile
Higher

OR WELLS **ORI500000050682**

Fid:	50681	Well inspe:	0
Physical l:	Not Reported	Inspection:	2011-03-29 00:00:00.000
Startcard :	Not Reported	Wl county :	Not Reported
Wl nbr:	Not Reported	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	1
Property o:	Not Reported	Inspecti00:	CMP
Special st:	0	Title:	WIN
Inspecti01:	ROC	Witnesses:	lando
Name owner:	john rowe		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	0	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	0
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	0
Consultant:	0	Water in v:	0
Seal test :	Not Reported	Samples ta:	0

Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	96.00
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	8.00
Depth be00:	Not Reported	Tape hold:	0.00
Tape missi:	0.00	Tape cut:	Not Reported
Water leve:	DRY	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	none		
Inspecti02:	dug well abandonment per wrd standards. I observed the abandonemnt.		
Work new:	0	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	1	Work exist:	0
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	0
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	0
Drill othe:	dug	Use domest:	1
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	0
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0
Use recove:	0	Use other:	Not Reported
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	Not Reported	Bonded lic:	Not Reported
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	Not Reported	Township:	1
Township c:	N	Range:	1
Range char:	E	Sctn:	35
Qtr40:	SE	Qtr160:	SW
Latitude d:	45.52121000	Longitude :	-122.65165000
Gps horizo:	17.00000000	Year const:	Not Reported
Date const:	2011-	Date con00:	2011-
Deficienci:	N	Previous i:	1
Inspected :	Not Reported	Inspecte00:	107906
Wm region:	NW		
Well tag a:	Not Reported		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	Not Reported
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	W	Casing cap:	Not Reported
Pictures t:	1	Street of :	Not Reported
Street o00:	217 se 14th ave in portland		
Last updt :	2011-03-30 09:39:19.240		
Last upd00:	byrdkr	Rec creati:	2011-03-30 09:35:10.577
Rec crea00:	byrdkr		
Latitude:	45.52121		
Loongitude:	-122.65165		
Site id:	ORI500000050682		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

19
SSW
1/2 - 1 Mile
Higher | **OR WELLS** | **ORI500000037077**

Fid:	37076	Well inspe:	0
Physical l:	Not Reported	Inspection:	2004-11-19 00:00:00.000
Startcard :	171388	Wl county :	Not Reported
Wl nbr:	Not Reported	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	PORTLAND OPERA		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	CONTRACTOR INFORMED IMMED. REPAIRS DONE FOLLOWING MONDAY		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported

Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	Not Reported	Bonded lic:	10192
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	Not Reported	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	3
Qtr40:	SE	Qtr160:	SE
Latitude d:	45.50617000	Longitude :	-122.66229000
Gps horizo:	19.00000000	Year const:	2004
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	Y	Previous i:	0
Inspected :	J J	Inspecte00:	113341
Wm region:	NW		
Well tag a:	NO WELL ID, NO PROTECTIVE COVER, NO FLUSH MOUNT PROTECTIVE COVER		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JP
Pictures t:	0	Street of :	Not Reported
Street o00:	CARUTHERS ST AT SE 4TH AVE		
Last updt :	2004-12-06 13:34:33.000		
Last upd00:	jefferjw	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.50617		
Loongitude:	-122.66229		
Site id:	ORI500000037077		

F20
South
1/2 - 1 Mile
Higher

OR WELLS **ORI500000048036**

Fid:	48035	Well inspe:	0
Physical l:	Not Reported	Inspection:	2009-06-15 00:00:00.000
Startcard :	202109	Wl county :	MULT
Wl nbr:	Not Reported	Startcar00:	20210
Well tag n:	99224	No log:	0
Property o:	Not Reported	Inspecti00:	CMP
Special st:	0	Title:	WIN
Inspecti01:	NEW	Witnesses:	HAHN
Name owner:	NW NATURAL		
Street:	2630	City:	PORTL
State:	OR	Zip:	97202
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	1	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	1
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	1
Consultant:	1	Water in v:	0
Seal test :	Not Reported	Samples ta:	0

Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	0.00
Tape missi:	0.00	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	0
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	1
Drill othe:	Not Reported	Use domest:	0
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	1
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0
Use recove:	0	Use other:	Not Reported
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	99224	Bonded lic:	10306
Unbonded l:	10574	Bonded dri:	TRENT
Unbonded d:	JEFF	County cod:	MULT
Tax lot:	7200	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	11
Qtr40:	NW	Qtr160:	SW
Latitude d:	45.50349000	Longitude :	-122.65675000
Gps horizo:	20.00000000	Year const:	2009
Date const:	2009-	Date con00:	2009-
Deficienci:	U	Previous i:	0
Inspected :	L R	Inspecte00:	125133
Wm region:	NW		
Well tag a:	@ CASING		
Well tag01:	UNK	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	Not Reported
Pictures t:	0	Street of :	2630 SE 9TH AVE
Street o00:	CLINTON		
Last updt :	2009-06-18 11:12:34.187		
Last upd00:	ramseyll	Rec creati:	2009-06-18 09:54:46.293
Rec crea00:	ramseyll		
Latitude:	45.50349		
Loongitude:	-122.65675		
Site id:	ORI500000048036		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F21
South
1/2 - 1 Mile
Higher | **OR WELLS** | **ORI500000048035**

Fid:	48034	Well inspe:	0
Physical l:	Not Reported	Inspection:	2009-06-15 00:00:00.000
Startcard :	202110	Wl county :	MULT
Wl nbr:	Not Reported	Startcar00:	20211
Well tag n:	99225	No log:	0
Property o:	Not Reported	Inspecti00:	CMP
Special st:	0	Title:	WIN
Inspecti01:	NEW	Witnesses:	HAHN
Name owner:	NW NATURAL		
Street:	2630	City:	PORTL
State:	OR	Zip:	97202
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	1	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	1
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	1
Consultant:	0	Water in v:	0
Seal test :	Not Reported	Samples ta:	0
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	0.00
Tape missi:	0.00	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	0
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	1
Drill othe:	Not Reported	Use domest:	0
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	1
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0

Use recove:	0	Use other:	Not Reported
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	99225	Bonded lic:	10306
Unbonded l:	10574	Bonded dri:	TRENT
Unbonded d:	JEFF	County cod:	MULT
Tax lot:	7200	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	11
Qtr40:	NW	Qtr160:	NW
Latitude d:	45.50348000	Longitude :	-122.65676000
Gps horizo:	29.00000000	Year const:	2009
Date const:	2009-	Date con00:	2009-
Deficienci:	U	Previous i:	0
Inspected :	L R	Inspecte00:	125133
Wm region:	NW		
Well tag a:	@ CASING		
Well tag01:	UNK	Depth:	Not Reported
Static wat:	Not Reported	Status of :	Not Reported
Location r:	SE CL	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JPG
Pictures t:	0	Street of :	2630 SE 9TH AVE
Street o00:	Not Reported		
Last updt :	2009-06-18 11:10:54.747		
Last upd00:	ramseyll	Rec creati:	2009-06-18 09:50:10.890
Rec crea00:	ramseyll		
Latitude:	45.50348		
Loongitude:	-122.65676		
Site id:	ORI500000048035		

F22
South
1/2 - 1 Mile
Higher

OR WELLS **ORI500000048037**

Fid:	48036	Well inspe:	0
Physical l:	Not Reported	Inspection:	2009-06-15 00:00:00.000
Startcard :	202107	Wl county :	MULT
Wl nbr:	Not Reported	Startcar00:	20210
Well tag n:	99222	No log:	0
Property o:	Not Reported	Inspecti00:	CMP
Special st:	0	Title:	WIN
Inspecti01:	NEW	Witnesses:	HAHN
Name owner:	NW NATURAL		
Street:	2630	City:	PORTL
State:	OR	Zip:	97202
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	1	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	1
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	1
Consultant:	1	Water in v:	0
Seal test :	Not Reported	Samples ta:	0

Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	0.00
Tape missi:	0.00	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	0
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	1
Drill othe:	Not Reported	Use domest:	0
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	1
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0
Use recove:	0	Use other:	Not Reported
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	99222	Bonded lic:	10306
Unbonded l:	10574	Bonded dri:	TRENT
Unbonded d:	JEFF	County cod:	MULT
Tax lot:	7200	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	11
Qtr40:	NW	Qtr160:	SW
Latitude d:	45.50343000	Longitude :	-122.65669000
Gps horizo:	23.00000000	Year const:	2009
Date const:	2009-	Date con00:	2009-
Deficienci:	U	Previous i:	0
Inspected :	L R	Inspecte00:	125133
Wm region:	NW		
Well tag a:	@ CASING		
Well tag01:	DRL	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	W. ED	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JPG
Pictures t:	0	Street of :	2630 SE 9TH AVE
Street o00:	Not Reported		
Last updt :	2009-06-18 11:13:10.153		
Last upd00:	ramseyll	Rec creati:	2009-06-18 10:31:39.077
Rec crea00:	ramseyll		
Latitude:	45.50343		
Loongitude:	-122.65669		
Site id:	ORI500000048037		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F23
South
1/2 - 1 Mile
Higher | **OR WELLS** | **ORI500000048043**

Fid:	48042	Well inspe:	0
Physical l:	Not Reported	Inspection:	2009-06-15 00:00:00.000
Startcard :	202112	Wl county :	MULT
Wl nbr:	Not Reported	Startcar00:	20211
Well tag n:	99228	No log:	0
Property o:	Not Reported	Inspecti00:	ATT
Special st:	0	Title:	WIN
Inspecti01:	NEW	Witnesses:	HAHN
Name owner:	NW NATURAL		
Street:	2630	City:	PORTL
State:	OR	Zip:	97202
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	1	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	1
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	0
Consultant:	1	Water in v:	0
Seal test :	Not Reported	Samples ta:	0
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	0.00
Tape missi:	0.00	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	0
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	1
Drill othe:	Not Reported	Use domest:	0
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	1
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0

Use recove:	0	Use other:	Not Reported
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	99228	Bonded lic:	10306
Unbonded l:	10574	Bonded dri:	TRENT
Unbonded d:	JEFF	County cod:	MULT
Tax lot:	7200	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	11
Qtr40:	NW	Qtr160:	NW
Latitude d:	45.50340000	Longitude :	-122.65615000
Gps horizo:	21.00000000	Year const:	2009
Date const:	2009-	Date con00:	2009-
Deficienci:	U	Previous i:	0
Inspected :	L R	Inspecte00:	125133
Wm region:	NW		
Well tag a:	@ CASING		
Well tag01:	DRL	Depth:	Not Reported
Static wat:	Not Reported	Status of :	DIP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JPG
Pictures t:	0	Street of :	2630 SE 9TH AVE
Street o00:	Not Reported		
Last updt :	2009-06-18 11:15:41.827		
Last upd00:	ramseyll	Rec creati:	2009-06-18 11:07:46.623
Rec crea00:	ramseyll		
Latitude:	45.5034		
Loongitude:	-122.65615		
Site id:	ORI500000048043		

F24
South
1/2 - 1 Mile
Higher

OR WELLS **ORI500000048039**

Fid:	48038	Well inspe:	0
Physical l:	Not Reported	Inspection:	2009-06-15 00:00:00.000
Startcard :	202106	Wl county :	MULT
Wl nbr:	Not Reported	Startcar00:	20210
Well tag n:	99221	No log:	0
Property o:	Not Reported	Inspecti00:	CMP
Special st:	0	Title:	WIN
Inspecti01:	NEW	Witnesses:	HAHN
Name owner:	NW NATURAL		
Street:	2630	City:	PORTL
State:	OR	Zip:	97202
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	1	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	1
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	1
Consultant:	1	Water in v:	0
Seal test :	Not Reported	Samples ta:	0

Casing dia:	2.00	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	6.00
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	0.00
Tape missi:	0.00	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	0
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	1
Drill othe:	Not Reported	Use domest:	0
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	1
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0
Use recove:	0	Use other:	Not Reported
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	99221	Bonded lic:	10306
Unbonded l:	10574	Bonded dri:	TRENT
Unbonded d:	JEFF	County cod:	MULT
Tax lot:	7200	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	11
Qtr40:	NW	Qtr160:	SW
Latitude d:	45.50335000	Longitude :	-122.65659000
Gps horizo:	20.00000000	Year const:	2009
Date const:	2009-	Date con00:	2009-
Deficienci:	U	Previous i:	0
Inspected :	L R	Inspecte00:	125133
Wm region:	NW		
Well tag a:	@ CASING		
Well tag01:	DRL	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JPG
Pictures t:	0	Street of :	2630 SE 9TH AVE
Street o00:	Not Reported		
Last updt :	2009-06-18 11:14:26.390		
Last upd00:	ramseyll	Rec creati:	2009-06-18 10:45:33.170
Rec crea00:	ramseyll		
Latitude:	45.50335		
Loongitude:	-122.65659		
Site id:	ORI500000048039		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

F25
South
1/2 - 1 Mile
Higher

OR WELLS **ORI500000048038**

Fid:	48037	Well inspe:	0
Physical l:	Not Reported	Inspection:	2009-06-15 00:00:00.000
Startcard :	202108	Wl county :	MULT
Wl nbr:	Not Reported	Startcar00:	20210
Well tag n:	99223	No log:	0
Property o:	Not Reported	Inspecti00:	CMP
Special st:	0	Title:	WIN
Inspecti01:	NEW	Witnesses:	HAHN
Name owner:	NW NATURAL		
Street:	2630	City:	PORTL
State:	OR	Zip:	97202
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	1	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	1
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	1
Consultant:	1	Water in v:	0
Seal test :	Not Reported	Samples ta:	0
Casing dia:	2.00	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	6.00
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	0.00
Tape missi:	0.00	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	0
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	1
Drill othe:	Not Reported	Use domest:	0
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	1
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0

Use recove:	0	Use other:	Not Reported
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	99223	Bonded lic:	10306
Unbonded l:	Not Reported	Bonded dri:	TRENT
Unbonded d:	TRENT	County cod:	MULT
Tax lot:	7200	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	11
Qtr40:	NW	Qtr160:	NW
Latitude d:	45.50334000	Longitude :	-122.65663000
Gps horizo:	21.00000000	Year const:	2009
Date const:	2009-	Date con00:	Not Reported
Deficienci:	U	Previous i:	0
Inspected :	L R	Inspecte00:	125133
Wm region:	NW		
Well tag a:	@CASING		
Well tag01:	DRL	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JPG
Pictures t:	0	Street of :	2630 SE 9TH AVE
Street o00:	Not Reported		
Last updt :	2009-06-18 10:40:31.810		
Last upd00:	ramseyll	Rec creati:	2009-06-18 10:39:17.543
Rec crea00:	ramseyll		
Latitude:	45.50334		
Loongitude:	-122.65663		
Site id:	ORI500000048038		

F26
South
1/2 - 1 Mile
Higher

OR WELLS **ORI500000048042**

Fid:	48041	Well inspe:	0
Physical l:	Not Reported	Inspection:	2009-06-15 00:00:00.000
Startcard :	202111	Wl county :	MULT
Wl nbr:	Not Reported	Startcar00:	Not Reported
Well tag n:	99226	No log:	0
Property o:	Not Reported	Inspecti00:	CMP
Special st:	0	Title:	WIN
Inspecti01:	NEW	Witnesses:	HAHN
Name owner:	NW NATURAL		
Street:	2630	City:	PORTL
State:	OR	Zip:	97202
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	1	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	1
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	1
Consultant:	1	Water in v:	0
Seal test :	Not Reported	Samples ta:	0

Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	0
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	1
Drill othe:	Not Reported	Use domest:	0
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	1
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0
Use recove:	0	Use other:	Not Reported
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	99226	Bonded lic:	10306
Unbonded l:	Not Reported	Bonded dri:	TRENT
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	7200	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	11
Qtr40:	NW	Qtr160:	SW
Latitude d:	45.50333000	Longitude :	-122.65629000
Gps horizo:	28.00000000	Year const:	2009
Date const:	2009-	Date con00:	Not Reported
Deficienci:	U	Previous i:	0
Inspected :	L R	Inspecte00:	125133
Wm region:	NW		
Well tag a:	@ CASING		
Well tag01:	DRL	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JPG
Pictures t:	0	Street of :	2630 SE 9TH AVE
Street o00:	Not Reported		
Last updt :	2009-06-18 11:02:49.123		
Last upd00:	ramseyll	Rec creati:	2009-06-18 11:02:49.123
Rec crea00:	ramseyll		
Latitude:	45.50333		
Loongitude:	-122.65629		
Site id:	ORI500000048042		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database: **OR WELLS** EDR ID Number: **ORI500000048041**

F27
South
1/2 - 1 Mile
Higher

Fid:	48040	Well inspe:	0
Physical l:	Not Reported	Inspection:	2009-06-15 00:00:00.000
Startcard :	202105	Wl county :	MULT
Wl nbr:	Not Reported	Startcar00:	20210
Well tag n:	99220	No log:	0
Property o:	Not Reported	Inspecti00:	CMP
Special st:	0	Title:	WIN
Inspecti01:	NEW	Witnesses:	HAHN
Name owner:	NW NATURAL		
Street:	2630	City:	PORTL
State:	OR	Zip:	97202
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	1	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	1
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	1
Consultant:	1	Water in v:	0
Seal test :	Not Reported	Samples ta:	0
Casing dia:	2.00	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	6.00
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	0.00
Tape missi:	0.00	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	0
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	0
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	1
Drill othe:	Not Reported	Use domest:	0
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	1
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0

Use recove:	0	Use other:	Not Reported
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	99220	Bonded lic:	10306
Unbonded l:	10574	Bonded dri:	TRENT
Unbonded d:	JEFF	County cod:	MULT
Tax lot:	7200	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	11
Qtr40:	NW	Qtr160:	SW
Latitude d:	45.50333000	Longitude :	-122.65649000
Gps horizo:	17.00000000	Year const:	2009
Date const:	2009-	Date con00:	2009-
Deficienci:	U	Previous i:	0
Inspected :	L R	Inspecte00:	125133
Wm region:	NW		
Well tag a:	@ CASING		
Well tag01:	DRL	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JPG
Pictures t:	0	Street of :	2630 SE 9TH AVE
Street o00:	Not Reported		
Last updt :	2009-06-18 11:17:20.467		
Last upd00:	ramseyll	Rec creati:	2009-06-18 10:55:24.450
Rec crea00:	ramseyll		
Latitude:	45.50333		
Loongitude:	-122.65649		
Site id:	ORI500000048041		

F28
South
1/2 - 1 Mile
Higher

OR WELLS **ORI500000048040**

Fid:	48039	Well inspe:	0
Physical l:	Not Reported	Inspection:	2009-06-15 00:00:00.000
Startcard :	202104	Wl county :	MULT
Wl nbr:	Not Reported	Startcar00:	20210
Well tag n:	99219	No log:	0
Property o:	Not Reported	Inspecti00:	CMP
Special st:	0	Title:	WIN
Inspecti01:	INC	Witnesses:	HAHN
Name owner:	NW NATURAL		
Street:	2630	City:	PORTL
State:	OR	Zip:	97202
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	1	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	1
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	1
Consultant:	1	Water in v:	0
Seal test :	Not Reported	Samples ta:	0

Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	0.00
Tape missi:	0.00	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	0
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	1
Drill othe:	Not Reported	Use domest:	0
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	1
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0
Use recove:	0	Use other:	Not Reported
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	99219	Bonded lic:	10306
Unbonded l:	10574	Bonded dri:	TRENT
Unbonded d:	JEFF	County cod:	MULT
Tax lot:	7200	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	11
Qtr40:	NW	Qtr160:	SW
Latitude d:	45.50333000	Longitude :	-122.65652000
Gps horizo:	20.00000000	Year const:	2009
Date const:	2009-	Date con00:	2009-
Deficienci:	U	Previous i:	0
Inspected :	L R	Inspecte00:	125133
Wm region:	NW		
Well tag a:	@ CASING		
Well tag01:	DRL	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	Not Reported
Pictures t:	0	Street of :	2630 SE 9TH AVE
Street o00:	Not Reported		
Last updt :	2009-06-18 11:19:11.310		
Last upd00:	ramseyll	Rec creati:	2009-06-18 10:49:25.513
Rec crea00:	ramseyll		
Latitude:	45.50333		
Loongitude:	-122.65652		
Site id:	ORI500000048040		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

29
NNW
1/2 - 1 Mile
Higher | **OR WELLS** | **ORI500000032631**

Fid:	32630	Well inspe:	0
Physical l:	Not Reported	Inspection:	2004-03-10 00:00:00.000
Startcard :	164479	Wl county :	Not Reported
Wl nbr:	Not Reported	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	CITY OF PORTLAND		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	NO INSPECTION- CAN PARKED OVER WELL. CHECKED SC # ONLY.		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported

Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	Not Reported	Bonded lic:	10011
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	Not Reported	Township:	1
Township c:	N	Range:	1
Range char:	E	Sctn:	34
Qtr40:	SE	Qtr160:	SE
Latitude d:	45.52243000	Longitude :	-122.66278000
Gps horizo:	40.00000000	Year const:	2003
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	Not Reported	Previous i:	0
Inspected :	AJK	Inspecte00:	107970
Wm region:	NW		
Well tag a:	Not Reported		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	Not Reported
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	Not Reported	Casing cap:	Not Reported
Pictures t:	0	Street of :	Not Reported
Street o00:	Not Reported		
Last updt :	2000-01-01 00:00:00.000		
Last upd00:	kimaj	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.52243		
Loongitude:	-122.66278		
Site id:	ORI500000032631		

G30
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS40000993633**

Org. Identifier:	USGS-OR		
Formal name:	USGS Oregon Water Science Center		
Monloc Identifier:	USGS-453013122393001		
Monloc name:	01S/01E-11BBB		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17090012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.5034519
Longitude:	-122.6595398	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	55
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	19460103	Welldepth:	490
Welldepth units:	ft	Wellholedepth:	490
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1989-04-04	35		1988-04-04	38	
1987-05-05	42		1946-01-03	49.0	

G31
SSW
1/2 - 1 Mile
Higher

OR WELLS **ORW500000014221**

Fid:	14220	Objectid:	14525
Logid:	MULT 7070	Lstupdate:	04/19/2011
Establby:	KARL WOZNIAK	Xysource:	UNKNOWN
Horizerr:	100	Sourceorg:	USGS
Sourceowrd:	NWIS	Waypoint:	453013122393001
Welltag:	0		
Sownum:	0	Obswell:	Not Reported
Recwell:	Not Reported	Obsflagall:	Not Reported
Lsdelev:	0		
Latitude:	45.5034518703		
Longitude:	-122.6595398		
Site id:	ORW500000014221		

32
South
1/2 - 1 Mile
Higher

OR WELLS **ORW500000004520**

Fid:	4519	Objectid:	4541
Logid:	MULT 2778	Lstupdate:	01/01/1990
Establby:	KARL WOZNIAK	Xysource:	UNKNOWN
Horizerr:	1000	Sourceorg:	OWRD
Sourceowrd:	USGS WILLGW	Waypoint:	Not Reported
Welltag:	0		
Sownum:	0	Obswell:	9
Recwell:	9	Obsflagall:	Not Reported
Lsdelev:	51		
Latitude:	45.5024457219		
Longitude:	-122.656690151		
Site id:	ORW500000004520		

H33
SE
1/2 - 1 Mile
Higher

OR WELLS **ORI500000041562**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	41561	Well inspe:	0
Physical l:	Not Reported	Inspection:	2006-04-27 00:00:00.000
Startcard :	135280	Wl county :	MULT
Wl nbr:	65008	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	0
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	COUNTY OF MULTNOMAH		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	0	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	0
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	0
Consultant:	0	Water in v:	0
Seal test :	Not Reported	Samples ta:	0
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	0.00
Tape missi:	0.00	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	INSP PRIOR TO DECOM		
Work new:	0	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	1
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	0
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	0
Drill othe:	Not Reported	Use domest:	0
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	0
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0
Use recove:	0	Use other:	Not Reported
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	50025	Bonded lic:	10011
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	21000	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	2
Qtr40:	SE	Qtr160:	SE

Latitude d:	45.50508000	Longitude :	-122.64582000
Gps horizo:	14.00000000	Year const:	2001
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	Not Reported	Previous i:	0
Inspected :	J J	Inspecte00:	113341
Wm region:	NW		
Well tag a:	BANDED TO CASING		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	Not Reported
Pictures t:	1	Street of :	1949 SE DIVISION
Street o00:	1949 SE DIVISION		
Last updt :	2009-12-22 13:09:33.483		
Last upd00:	byrdkr	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.50508		
Loongitude:	-122.64582		
Site id:	ORI500000041562		

H34
SE
1/2 - 1 Mile
Higher

OR WELLS **ORI500000041563**

Fid:	41562	Well inspe:	0
Physical l:	Not Reported	Inspection:	2006-04-27 00:00:00.000
Startcard :	135282	Wl county :	MULT
Wl nbr:	65010	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	0
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	COUNTY OF MULTNOMAH		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	0	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	0
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	0
Consultant:	0	Water in v:	0
Seal test :	Not Reported	Samples ta:	0
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	0.00
Tape missi:	0.00	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported

Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	INSP PRIOR TO DECOM		
Work new:	0	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	1
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	0
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	0
Drill othe:	Not Reported	Use domest:	0
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	0
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0
Use recove:	0	Use other:	Not Reported
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	50027	Bonded lic:	10011
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	21000	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	2
Qtr40:	SE	Qtr160:	SE
Latitude d:	45.50504000	Longitude :	-122.64581000
Gps horizo:	9.00000000	Year const:	2001
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	Not Reported	Previous i:	0
Inspected :	J J	Inspecte00:	113341
Wm region:	NW		
Well tag a:	BANDED TO CASING		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	Not Reported
Pictures t:	1	Street of :	1949 SE DIVISION
Street o00:	1949 SE DIVISION		
Last updt :	2009-12-22 13:10:07.700		
Last upd00:	byrdkr	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.50504		
Loongitude:	-122.64581		
Site id:	ORI500000041563		

H35
SE
1/2 - 1 Mile
Higher

OR WELLS **ORI500000041561**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	41560	Well inspe:	0
Physical l:	Not Reported	Inspection:	2006-04-27 00:00:00.000
Startcard :	135281	Wl county :	MULT
Wl nbr:	65009	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	0
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	COUNTY OF MULTNOMAH		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	0	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	0
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	0
Consultant:	0	Water in v:	0
Seal test :	Not Reported	Samples ta:	0
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	0.00
Tape missi:	0.00	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	INSP PRIOR TO DECOM		
Work new:	0	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	1
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	0
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	0
Drill othe:	Not Reported	Use domest:	0
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	0
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0
Use recove:	0	Use other:	Not Reported
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	50026	Bonded lic:	10011
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	21000	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	2
Qtr40:	SE	Qtr160:	SE

Latitude d:	45.50502000	Longitude :	-122.64573000
Gps horizo:	9.00000000	Year const:	Not Reported
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	Not Reported	Previous i:	0
Inspected :	J J	Inspecte00:	113341
Wm region:	NW		
Well tag a:	BANDED TO CASING		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	Not Reported
Pictures t:	1	Street of :	1949 SE DIVISION
Street o00:	1949 SE DIVISION		
Last updt :	2009-12-22 13:07:21.623		
Last upd00:	byrdkr	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.50502		
Loongitude:	-122.64573		
Site id:	ORI500000041561		

36
SSW
1/2 - 1 Mile
Higher

OR WELLS **ORI500000038072**

Fid:	38071	Well inspe:	0
Physical l:	Not Reported	Inspection:	2005-02-03 00:00:00.000
Startcard :	171391	Wl county :	MULT
Wl nbr:	76033	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	CITY OF PORTLAND		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported

Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	67095	Bonded lic:	10192
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	Not Reported	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	11
Qtr40:	NW	Qtr160:	NW
Latitude d:	45.50280000	Longitude :	-122.66126000
Gps horizo:	13.00000000	Year const:	2005
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	U	Previous i:	0
Inspected :	J J	Inspecte00:	113341
Wm region:	NW		
Well tag a:	WIRE IN CEMENT		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JP
Pictures t:	0	Street of :	SE TAGGART ST; A
Street o00:	SE TAGGART ST; AT MCLOUGHLIN BLVD		
Last updt :	2005-04-11 15:18:43.000		
Last upd00:	jefferjw	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.5028		
Loongitude:	-122.66126		
Site id:	ORI500000038072		

37
SSE
1/2 - 1 Mile
Higher

OR WELLS **ORI500000033356**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Fid:	33355	Well inspe:	0
Physical l:	Not Reported	Inspection:	2001-09-05 00:00:00.000
Startcard :	135175	Wl county :	Not Reported
Wl nbr:	Not Reported	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	CITY OF PORTLAND; SE 14TH AVE NEAR TAGGART, PORTLAND; SEE MAP		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	50000	Bonded lic:	10011
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	Not Reported	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	11
Qtr40:	SE	Qtr160:	NE

Latitude d:	45.50254000	Longitude :	-122.65165000
Gps horizo:	15.00000000	Year const:	2001
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	N	Previous i:	0
Inspected :	JMM	Inspecte00:	107928
Wm region:	NW		
Well tag a:	BANDED IN CEMENT		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	Not Reported
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	Not Reported	Casing cap:	Not Reported
Pictures t:	0	Street of :	Not Reported
Street o00:	Not Reported		
Last updt :	2000-01-01 00:00:00.000		
Last upd00:	marletjm	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.50254		
Loongitude:	-122.65165		
Site id:	ORI500000033356		

38
WNW
1/2 - 1 Mile
Lower

OR WELLS **ORW500000008655**

Fid:	8654	Objectid:	8770
Logid:	MULT 4852	Lstupdate:	08/16/2007
Establby:	KARL WOZNIAK	Xysource:	FINAL PROOF MAP & DOQ
Horizerr:	50	Sourceorg:	OWRD
Sourceowrd:	GWATER	Waypoint:	Not Reported
Welltag:	0		
Sownum:	0	Obswell:	9
Recwell:	9	Obsflagall:	Not Reported
Lsdelev:	29		
Latitude:	45.517887233		
Longitude:	-122.671945011		
Site id:	ORW500000008655		

I39
WSW
1/2 - 1 Mile
Higher

OR WELLS **ORI500000036967**

Fid:	36966	Well inspe:	0
Physical l:	Not Reported	Inspection:	2004-11-23 00:00:00.000
Startcard :	167812	Wl county :	Not Reported
Wl nbr:	Not Reported	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	CITY OF PORTLAND		
Street:	Not Reported	City:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported
Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	73374	Bonded lic:	10011
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	101	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	3
Qtr40:	SW	Qtr160:	SE
Latitude d:	45.50863000	Longitude :	-122.67251000
Gps horizo:	13.00000000	Year const:	2004
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	N	Previous i:	0
Inspected :	J J	Inspecte00:	113341
Wm region:	NW		
Well tag a:	PLASTIC STRAP EMBEDDED IN CONCRETE		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported

Type of lo:	M	Casing cap:	JP
Pictures t:	0	Street of :	Not Reported
Street o00:	NE OF INTERSECTION OF SW RIVER DR AND SW RIVER PA		
Last updt :	2004-11-29 16:03:19.000		
Last upd00:	jefferjw	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.50863		
Loongitude:	-122.67251		
Site id:	ORI500000036967		

I40
WSW **OR WELLS** **ORI500000036969**
1/2 - 1 Mile
Higher

Fid:	36968	Well inspe:	0
Physical l:	Not Reported	Inspection:	2004-11-23 00:00:00.000
Startcard :	167813	Wl county :	Not Reported
Wl nbr:	Not Reported	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	Not Reported
Property o:	Not Reported	Inspecti00:	Not Reported
Special st:	0	Title:	Not Reported
Inspecti01:	Not Reported	Witnesses:	Not Reported
Name owner:	CITY OF PORTLAND		
Street:	Not Reported	City:	Not Reported
State:	Not Reported	Zip:	Not Reported
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	Not Reported	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	Not Reported
Rough log :	Not Reported	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	Not Reported
Protective:	Not Reported	Well locke:	Not Reported
Consultant:	Not Reported	Water in v:	Not Reported
Seal test :	Not Reported	Samples ta:	Not Reported
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	Not Reported	Access por:	Not Reported
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	Not Reported	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	Not Reported
Drill ro00:	Not Reported	Drill cabl:	Not Reported

Drill ca00:	Not Reported	Drill reve:	Not Reported
Drill re00:	Not Reported	Drill auge:	Not Reported
Drill push:	Not Reported	Drill hand:	Not Reported
Drill holl:	Not Reported	Drill soni:	Not Reported
Drill othe:	Not Reported	Use domest:	Not Reported
Use irriga:	Not Reported	Use commun:	Not Reported
Use indust:	Not Reported	Use livest:	Not Reported
Use dewate:	Not Reported	Use monito:	Not Reported
Use therma:	Not Reported	Use inject:	Not Reported
Use piezom:	Not Reported	Use observ:	Not Reported
Use recove:	Not Reported	Use other:	Not Reported
Bentonite :	Not Reported	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	73375	Bonded lic:	10011
Unbonded l:	Not Reported	Bonded dri:	Not Reported
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	101	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	3
Qtr40:	SW	Qtr160:	SE
Latitude d:	45.50863000	Longitude :	-122.67251000
Gps horizo:	13.00000000	Year const:	2004
Date const:	Not Reported	Date con00:	Not Reported
Deficienci:	N	Previous i:	0
Inspected :	J J	Inspecte00:	113341
Wm region:	NW		
Well tag a:	PLASTIC STRAP EMBEDDED IN CONCRETE		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	CMP
Location r:	Not Reported	Site visit:	Not Reported
Type of lo:	M	Casing cap:	JP
Pictures t:	0	Street of :	Not Reported
Street o00:	NE OF SW RIVER DR AND SW RIVER PARKWAY		
Last updt :	2004-11-29 16:06:44.000		
Last upd00:	jefferjw	Rec creati:	2009-06-01 06:51:00.000
Rec crea00:	OWRD\migrate		
Latitude:	45.50863		
Loongitude:	-122.67251		
Site id:	ORI500000036969		

J41
SE
1/2 - 1 Mile
Higher

OR WELLS **ORI500000049038**

Fid:	49037	Well inspe:	0
Physical l:	Not Reported	Inspection:	2009-11-23 00:00:00.000
Startcard :	199727	Wl county :	MULT
Wl nbr:	101101	Startcar00:	Not Reported
Well tag n:	Not Reported	No log:	0
Property o:	Not Reported	Inspecti00:	CMP
Special st:	0	Title:	WIN
Inspecti01:	NEW	Witnesses:	Not Reported
Name owner:	CYRK BUILDING LLC		
Street:	PO BO	City:	PORTL

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

State:	OR	Zip:	97212
Phone home:	Not Reported	Phone comp:	Not Reported
Gps on wel:	0	Distance t:	Not Reported
Bearing to:	Not Reported	Drilling m:	Not Reported
Use of wel:	Not Reported	Drilling00:	0
Rough log :	0	Well tag r:	Not Reported
Monitoring:	Not Reported	Monitori00:	0
Protective:	0	Well locke:	0
Consultant:	0	Water in v:	0
Seal test :	Not Reported	Samples ta:	0
Casing dia:	Not Reported	Csg above :	Not Reported
Csg gauge:	Not Reported	Borehole d:	Not Reported
Dedicated :	0	Access por:	0
Access p00:	Not Reported	Measuring :	Not Reported
Measurin00:	Not Reported	Depth belo:	Not Reported
Depth be00:	Not Reported	Tape hold:	Not Reported
Tape missi:	Not Reported	Tape cut:	Not Reported
Water leve:	Not Reported	Water le00:	Not Reported
Cascading :	0	Pump type:	Not Reported
Pump make:	Not Reported	Pump hp:	Not Reported
Flowmeter :	Not Reported	Flowmete00:	Not Reported
Flowmete01:	Not Reported	Flowmete02:	Not Reported
Associated:	Not Reported	Nbr of hou:	Not Reported
Deficiency:	Not Reported		
Inspecti02:	Not Reported		
Work new:	1	Work deepe:	0
Work conve:	0	Work alter:	0
Work aband:	0	Work exist:	0
Work other:	Not Reported	Drill rota:	0
Drill ro00:	0	Drill cabl:	1
Drill ca00:	0	Drill reve:	0
Drill re00:	0	Drill auge:	0
Drill push:	0	Drill hand:	0
Drill holl:	0	Drill soni:	0
Drill othe:	Not Reported	Use domest:	0
Use irriga:	0	Use commun:	0
Use indust:	0	Use livest:	0
Use dewate:	0	Use monito:	0
Use therma:	0	Use inject:	0
Use piezom:	0	Use observ:	0
Use recove:	0	Use other:	LTGT
Bentonite :	0	Conductivi:	Not Reported
Conducti00:	Not Reported	Measuremen:	Not Reported
Well tag00:	101375	Bonded lic:	1
Unbonded l:	Not Reported	Bonded dri:	RONAL
Unbonded d:	Not Reported	County cod:	MULT
Tax lot:	Not Reported	Township:	1
Township c:	S	Range:	1
Range char:	E	Sctn:	11
Qtr40:	NE	Qtr160:	NE
Latitude d:	45.50337000	Longitude :	-122.64517000
Gps horizo:	11.00000000	Year const:	Not Reported
Date const:	2009-	Date con00:	2009-
Deficienci:	Not Reported	Previous i:	0
Inspected :	J U	Inspecte00:	113341
Wm region:	NW		
Well tag a:	Not Reported		
Well tag01:	Not Reported	Depth:	Not Reported
Static wat:	Not Reported	Status of :	Not Reported
Location r:	Not Reported	Site visit:	Not Reported

Type of lo:	W	Casing cap:	Not Reported
Pictures t:	0	Street of :	2002 SE CLINTON
Street o00:	Not Reported		
Last updt :	2010-01-11 10:42:17.967		
Last upd00:	ungerjj	Rec creati:	2010-01-11 10:42:17.967
Rec crea00:	ungerjj		
Latitude:	45.50337		
Loongitude:	-122.64517		
Site id:	ORI500000049038		

J42
SE
1/2 - 1 Mile
Higher

OR WELLS **ORW500000012488**

Fid:	12487	Objectid:	12719
Logid:	MULT101101	Lstupdate:	05/28/2010
Establby:	KARL WOZNIAK	Xysource:	APPL & TAX LOT MAPS & DOQ
Horizerr:	25	Sourceorg:	OWRD
Sourceowrd:	GWATER	Waypoint:	Not Reported
Welltag:	101375		
Sownum:	0	Obswell:	9
Recwell:	9	Obsflagall:	Not Reported
Lsdelev:	58		
Latitude:	45.5032915528		
Longitude:	-122.645176183		
Site id:	ORW500000012488		

K43
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS40000993751**

Org. Identifier:	USGS-OR		
Formal name:	USGS Oregon Water Science Center		
Monloc Identifier:	USGS-453133122384401		
Monloc name:	01N/01E-35DBA		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	17090012	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	45.525674
Longitude:	-122.646762	Sourcemap scale:	Not Reported
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	130.
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	19600808	Welldepth:	182
Welldepth units:	ft	Wellholedepth:	182
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

K44
NNE **OR WELLS** **ORW500000003698**
1/2 - 1 Mile
Higher

Fid:	3697	Objectid:	3713
Logid:	MULT 1087	Lstupdate:	01/01/1990
Establby:	KARL WOZNIAK	Xysource:	UNKNOWN
Horizerr:	1000	Sourceorg:	OWRD
Sourceowrd:	USGS WILLGW	Waypoint:	Not Reported
Welltag:	0		
Sownum:	0	Obswell:	9
Recwell:	9	Obsflagall:	Not Reported
Lsdelev:	130		
Latitude:	45.525674211		
Longitude:	-122.646762095		
Site id:	ORW500000003698		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: OR Radon

Radon Test Results

Zipcode	Num Tests	Maximum	Minimum	Average	# > 4 pCi/L
97214	29	6.5	0.2	2.2	5

Federal EPA Radon Zone for MULTNOMAH County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for MULTNOMAH COUNTY, OR

Number of sites tested: 33

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.530 pCi/L	91%	9%	0%
Basement	2.630 pCi/L	57%	43%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory Data
Source: Oregon Geospatial Enterprise Office
Telephone: 503-378-2166

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Data
Source: Department of Water Resources
Telephone: 503-986-0843

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Locations
Source: Department of Geology and Mineral Industries
Telephone: 971-673-1540
A listing of oil and gas well locations in the state.

RADON

State Database: OR Radon
Source: Oregon Health Services
Telephone: 503-731-4272
Radon Levels in Orgeon

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX C

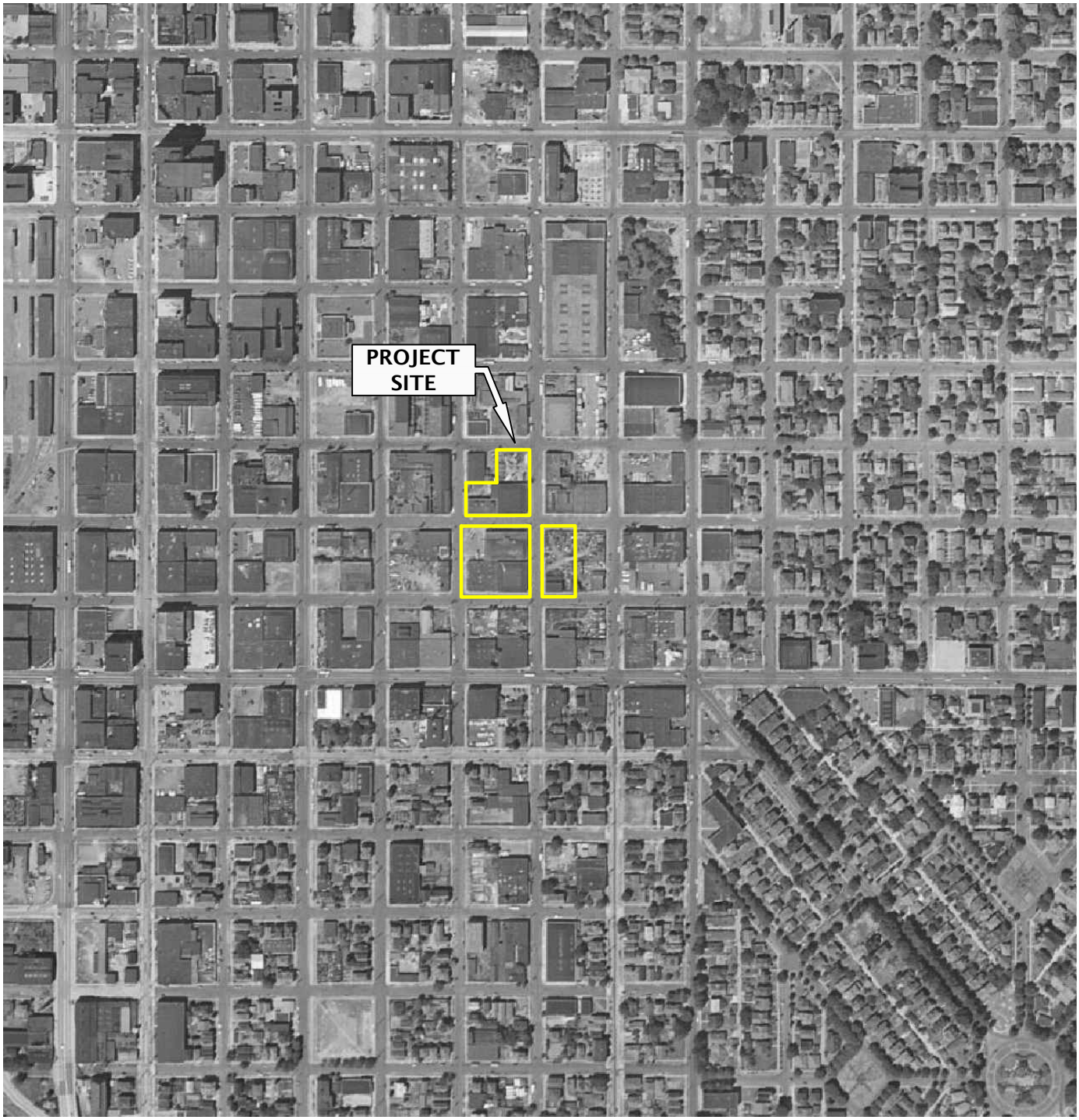
PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03	**HISTORICAL AERIAL PHOTOGRAPH 1934**
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:20 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 1934



PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03	**HISTORICAL AERIAL PHOTOGRAPH 1948**
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:20 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 1948

PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

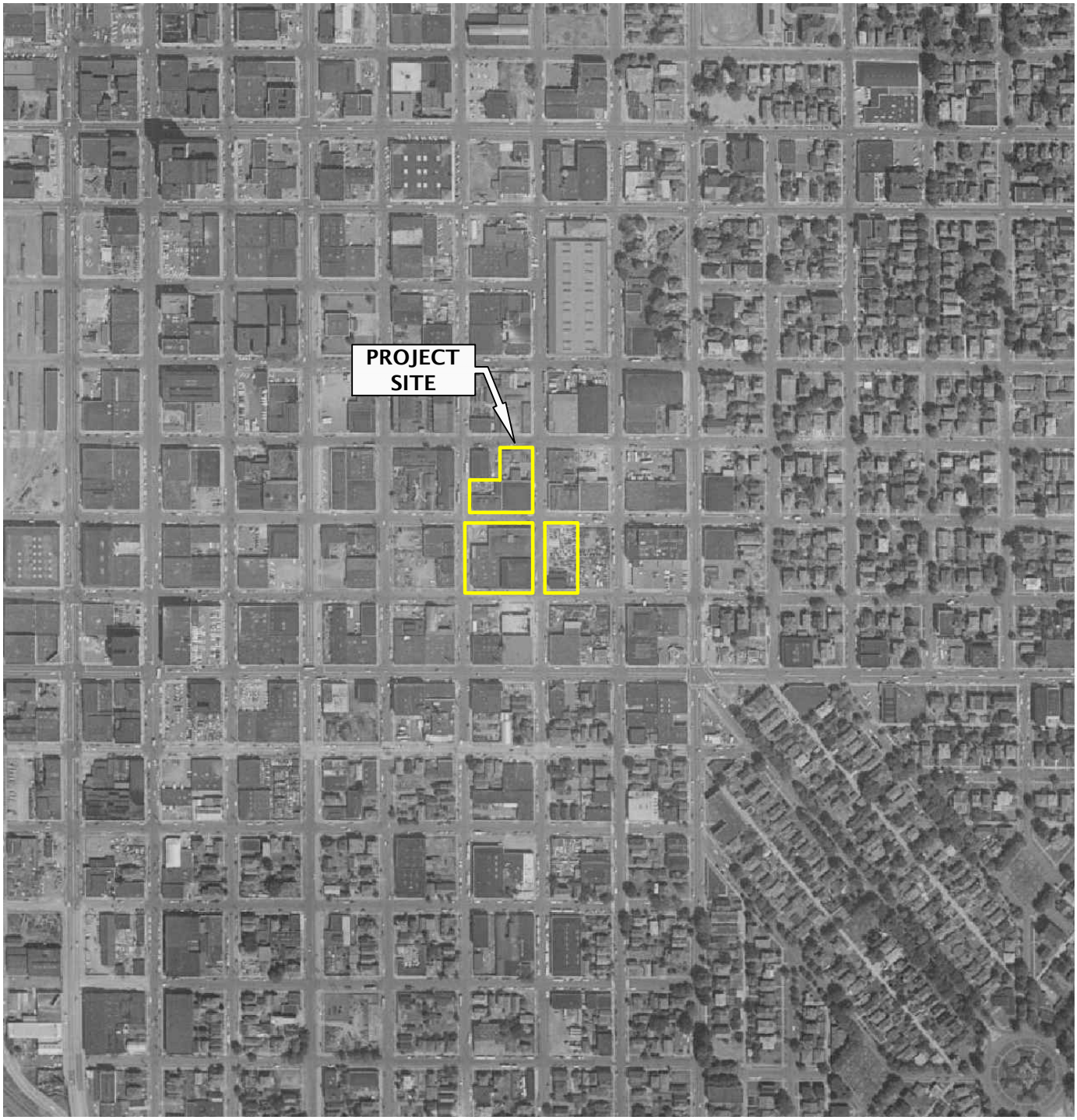
CAPSTONE-12-02/12-03

AUGUST 2016

HISTORICAL AERIAL PHOTOGRAPH
1951

CUSTOM STAMPING SITE
PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:21 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 1951



PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

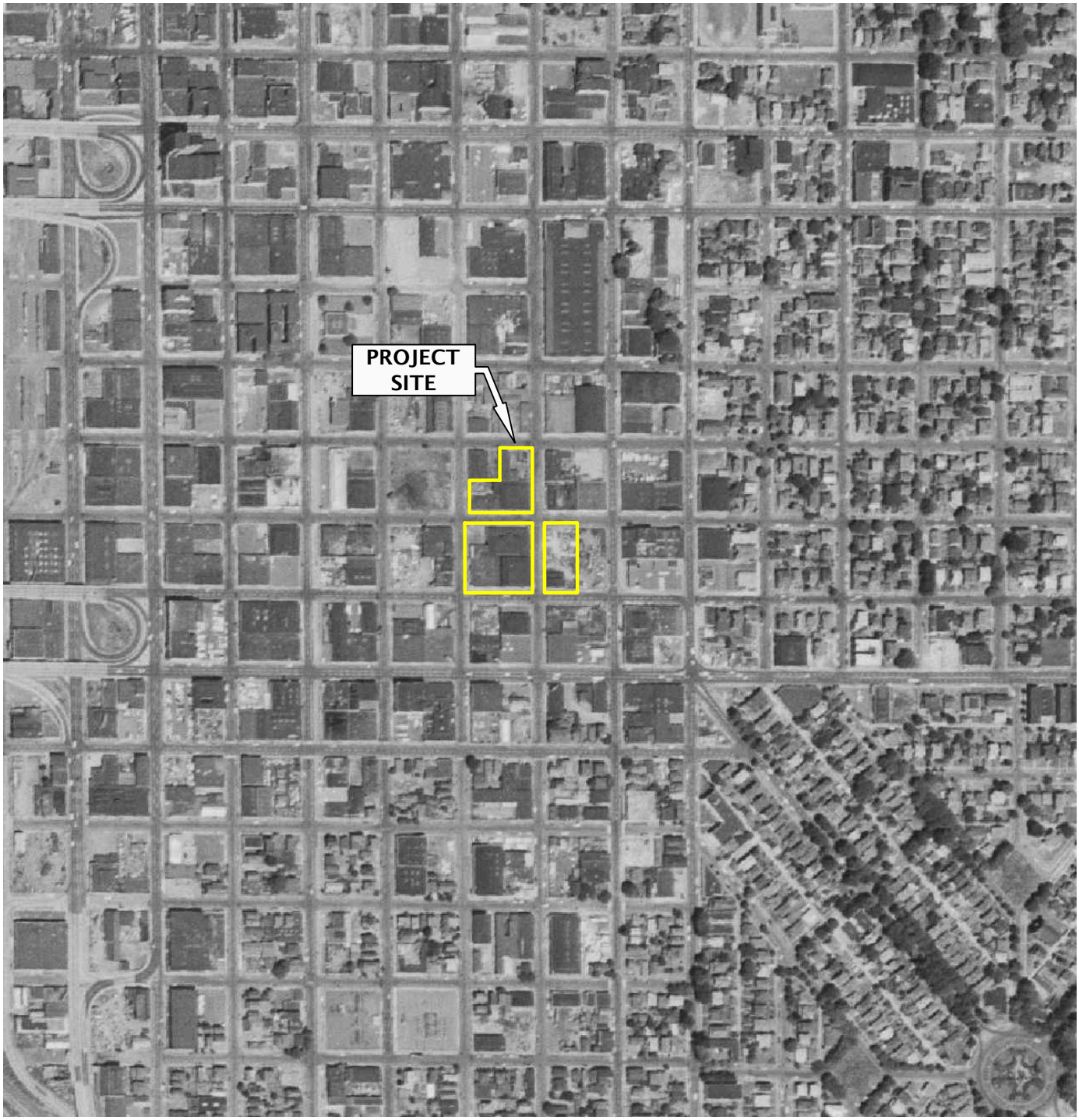
CAPSTONE-12-02/12-03

AUGUST 2016

HISTORICAL AERIAL PHOTOGRAPH
1955

CUSTOM STAMPING SITE
PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:21 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 1955



PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

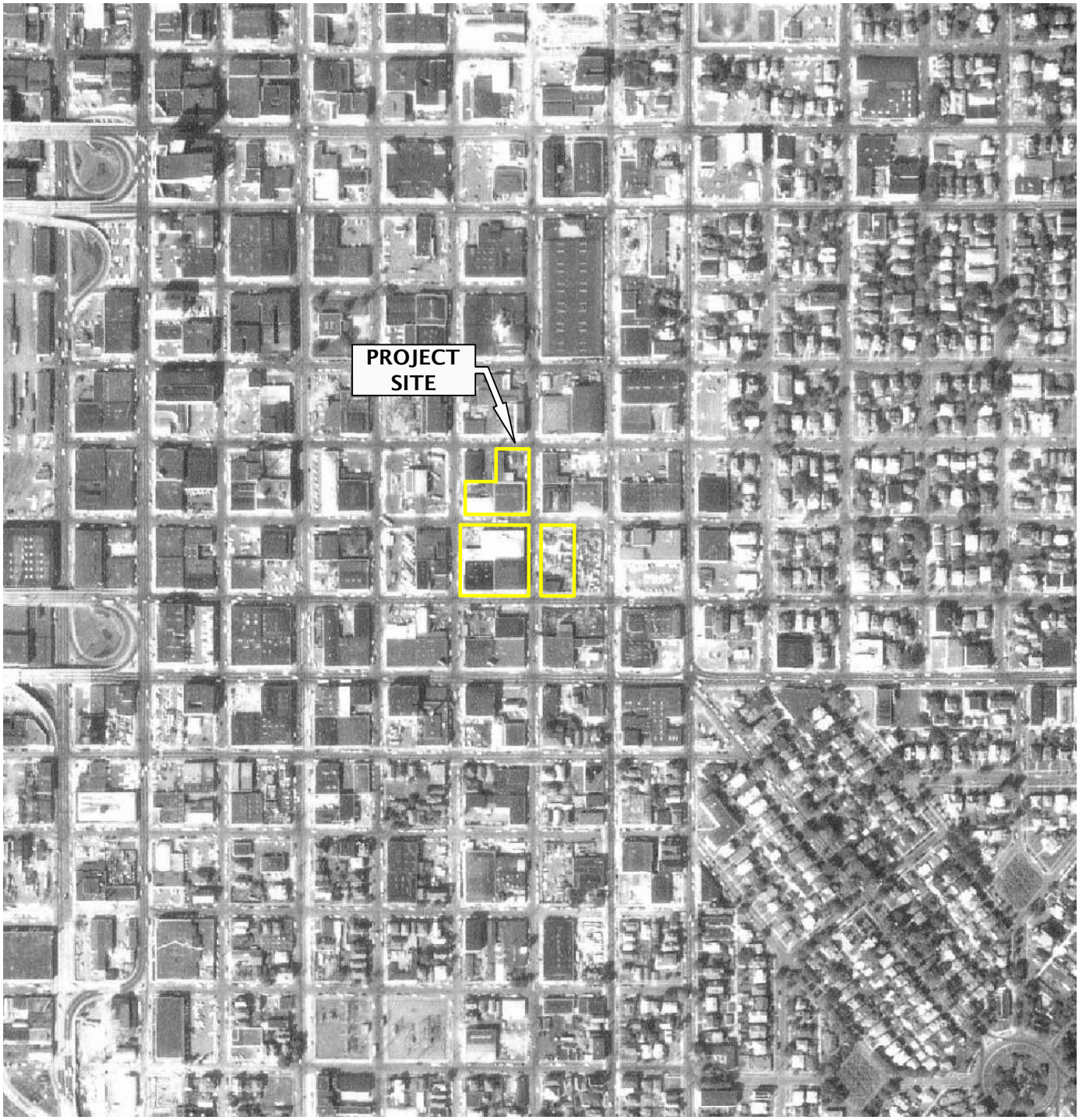
CAPSTONE-12-02/12-03

AUGUST 2016

HISTORICAL AERIAL PHOTOGRAPH
1960

CUSTOM STAMPING SITE
PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:21 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 1960



PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

HISTORICAL AERIAL PHOTOGRAPH
1963

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:22 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 1963

PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

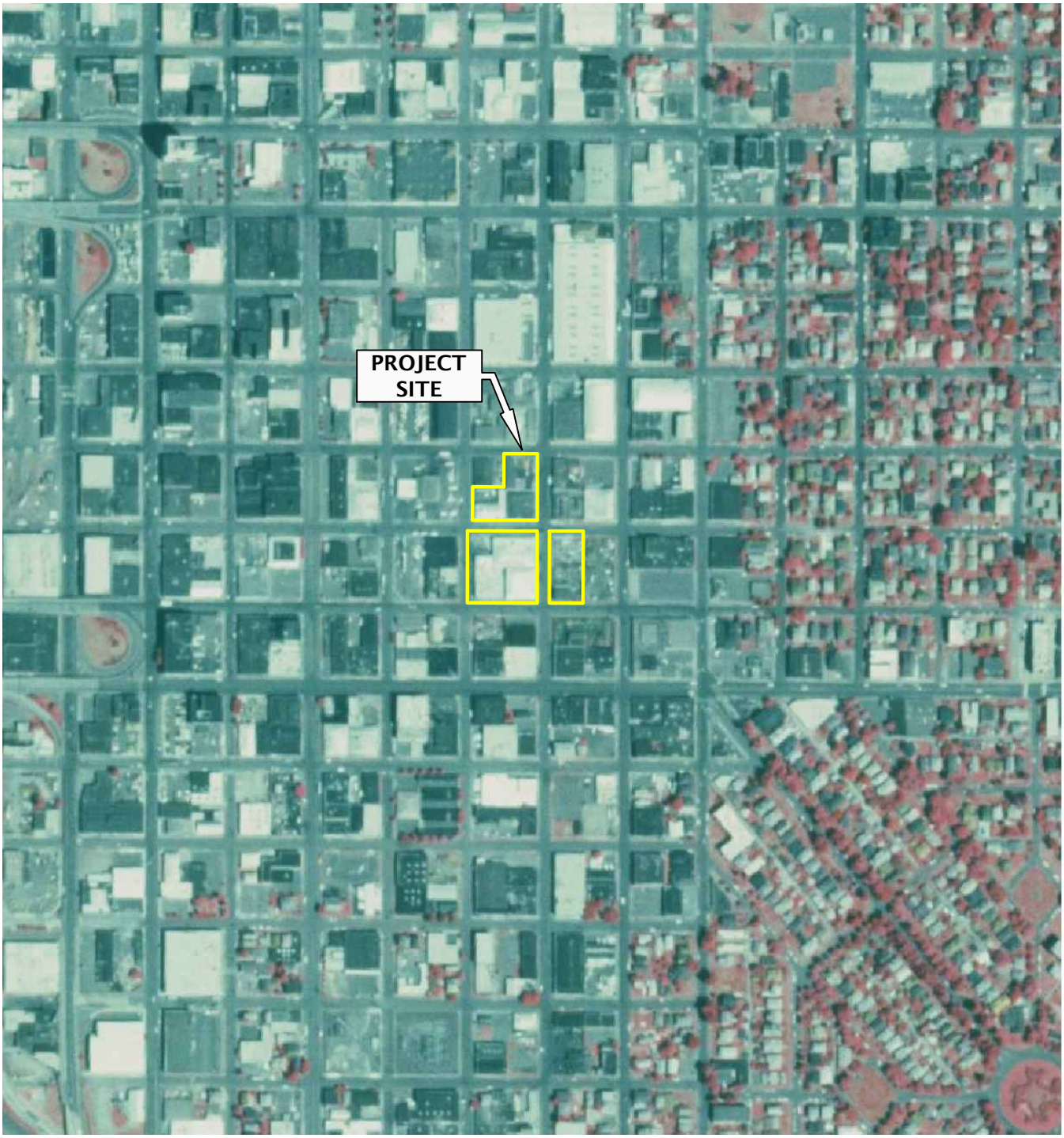
CAPSTONE-12-02/12-03

AUGUST 2016

HISTORICAL AERIAL PHOTOGRAPH
1970

CUSTOM STAMPING SITE
PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:22 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 1970



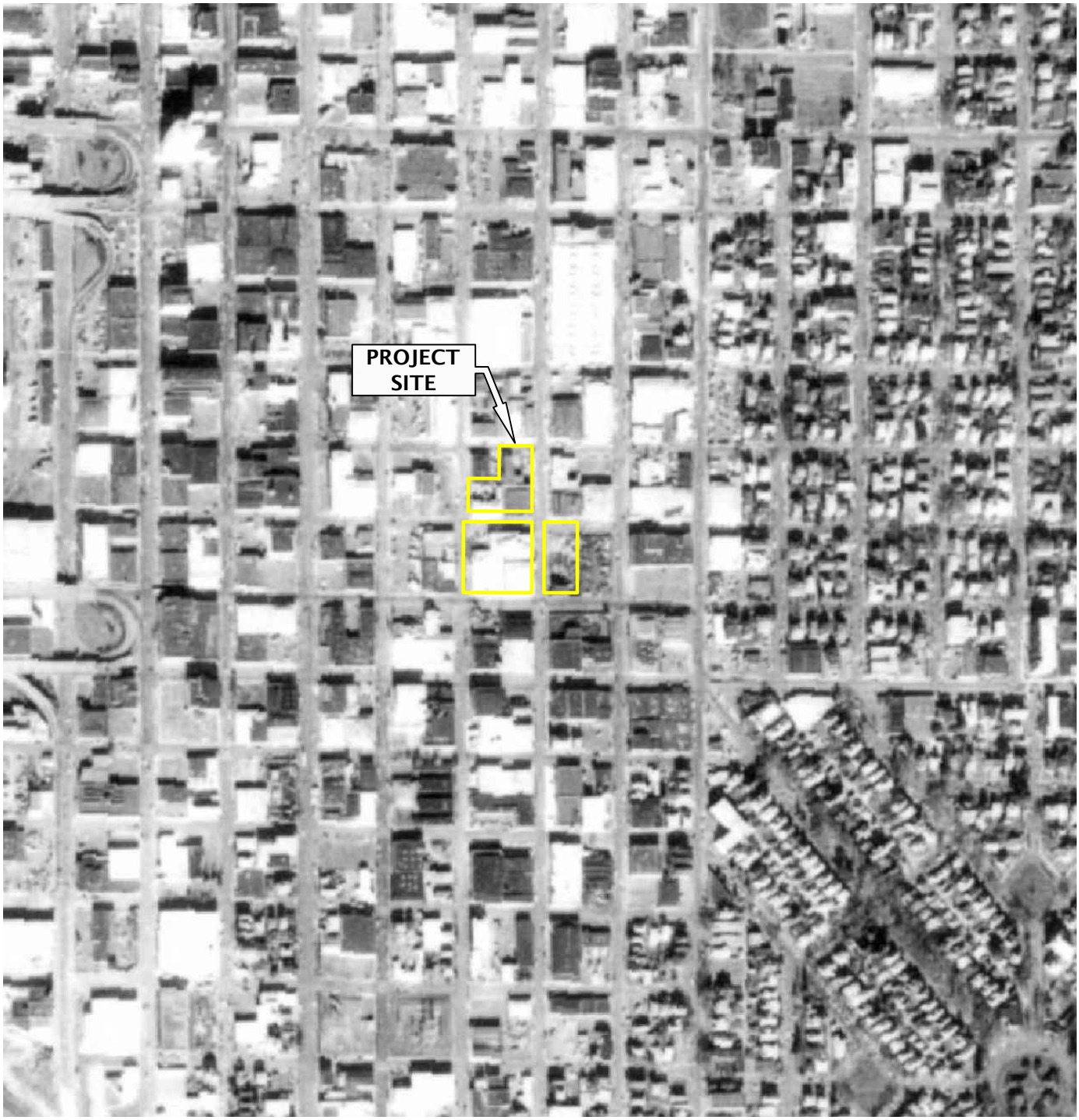
PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03	**HISTORICAL AERIAL PHOTOGRAPH 1981**
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:22 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 1981



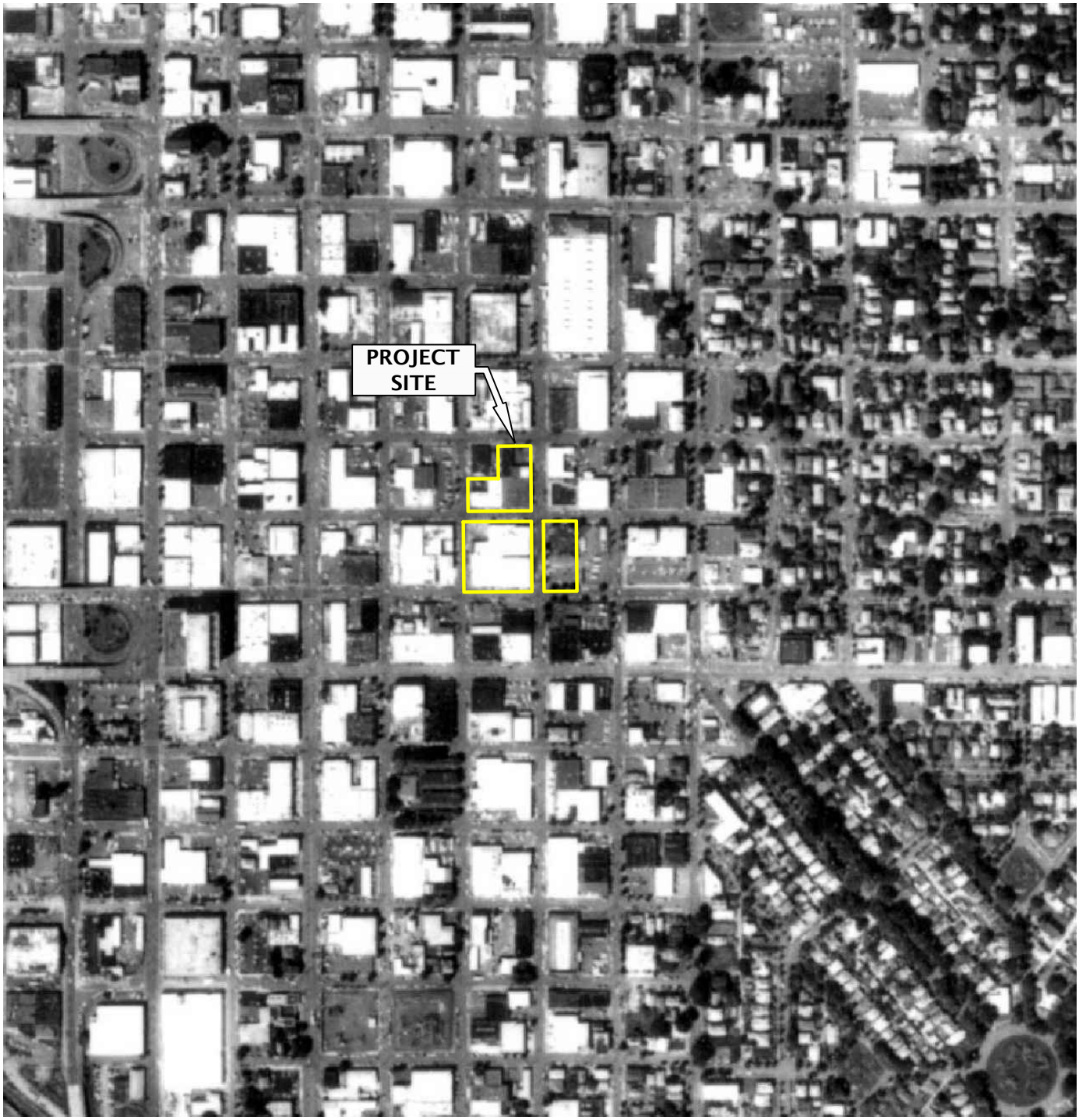
PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03	**HISTORICAL AERIAL PHOTOGRAPH 1984**
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:22 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 1984



PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

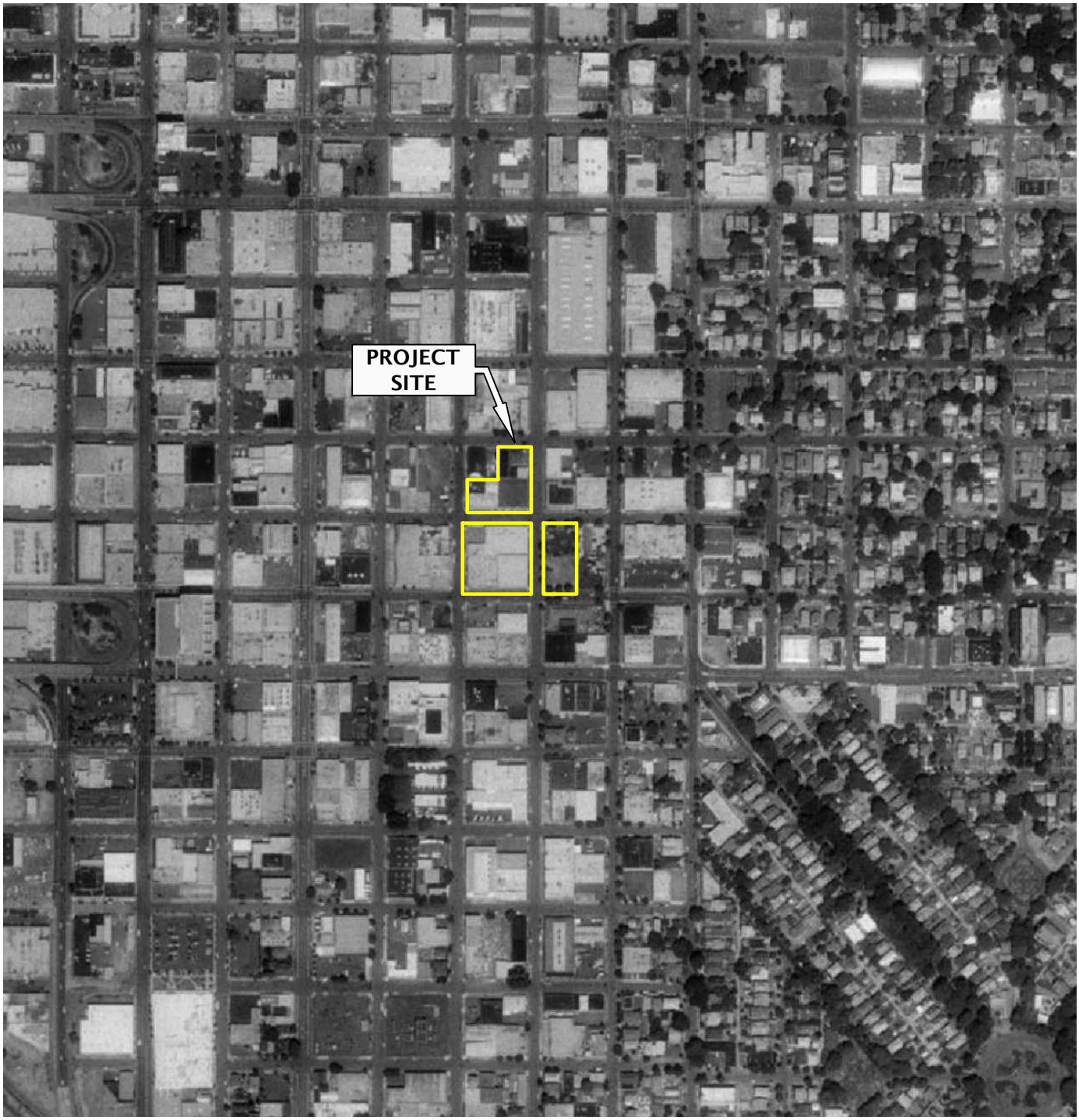
CAPSTONE-12-02/12-03

AUGUST 2016

HISTORICAL AERIAL PHOTOGRAPH
1994

CUSTOM STAMPING SITE
PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:23 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 1994



PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

AUGUST 2016

HISTORICAL AERIAL PHOTOGRAPH
2000

CUSTOM STAMPING SITE
PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:23 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 2000

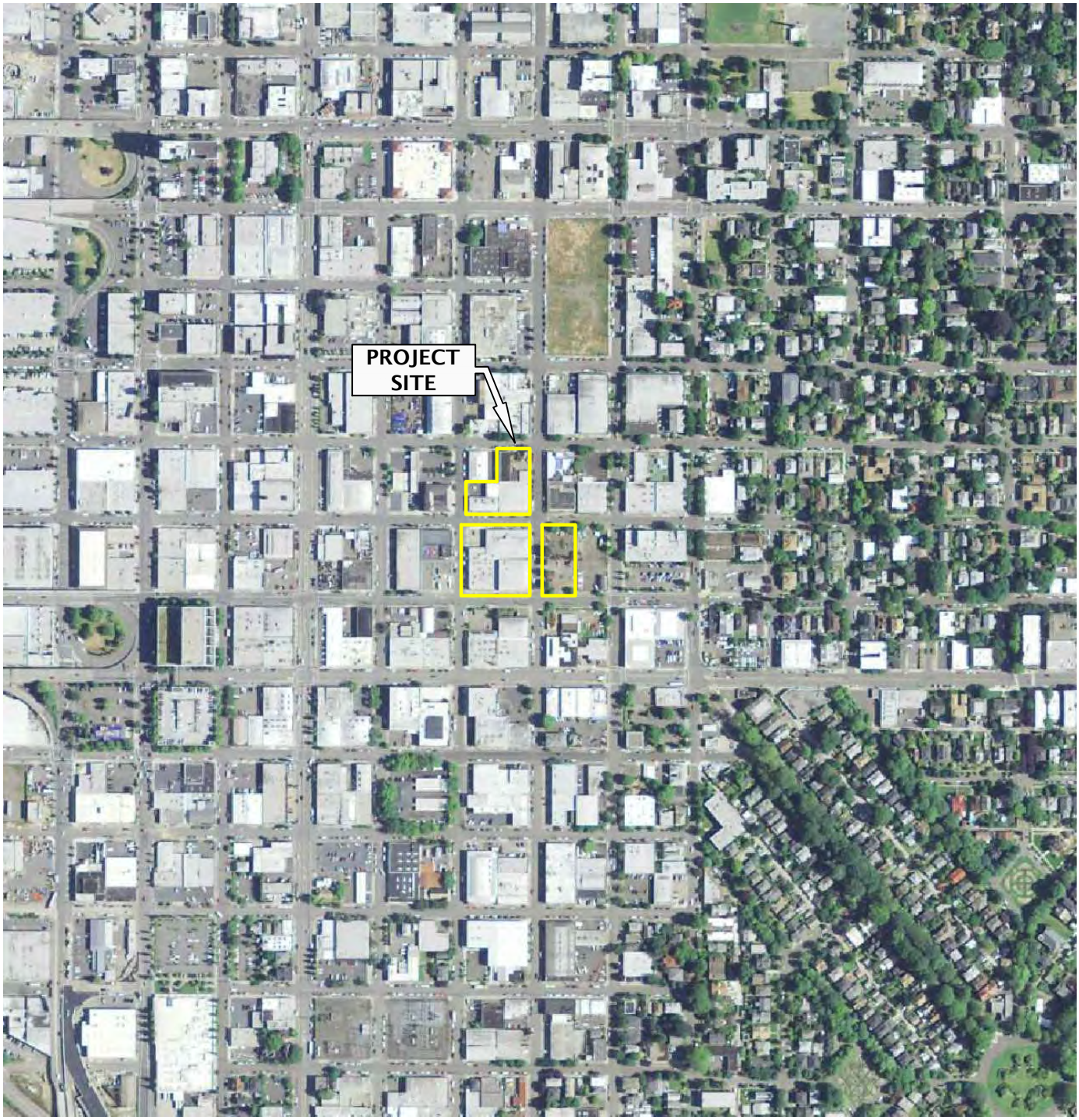
PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03	**HISTORICAL AERIAL PHOTOGRAPH 2005**
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:23 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 2005



PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GeoDesign Inc
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

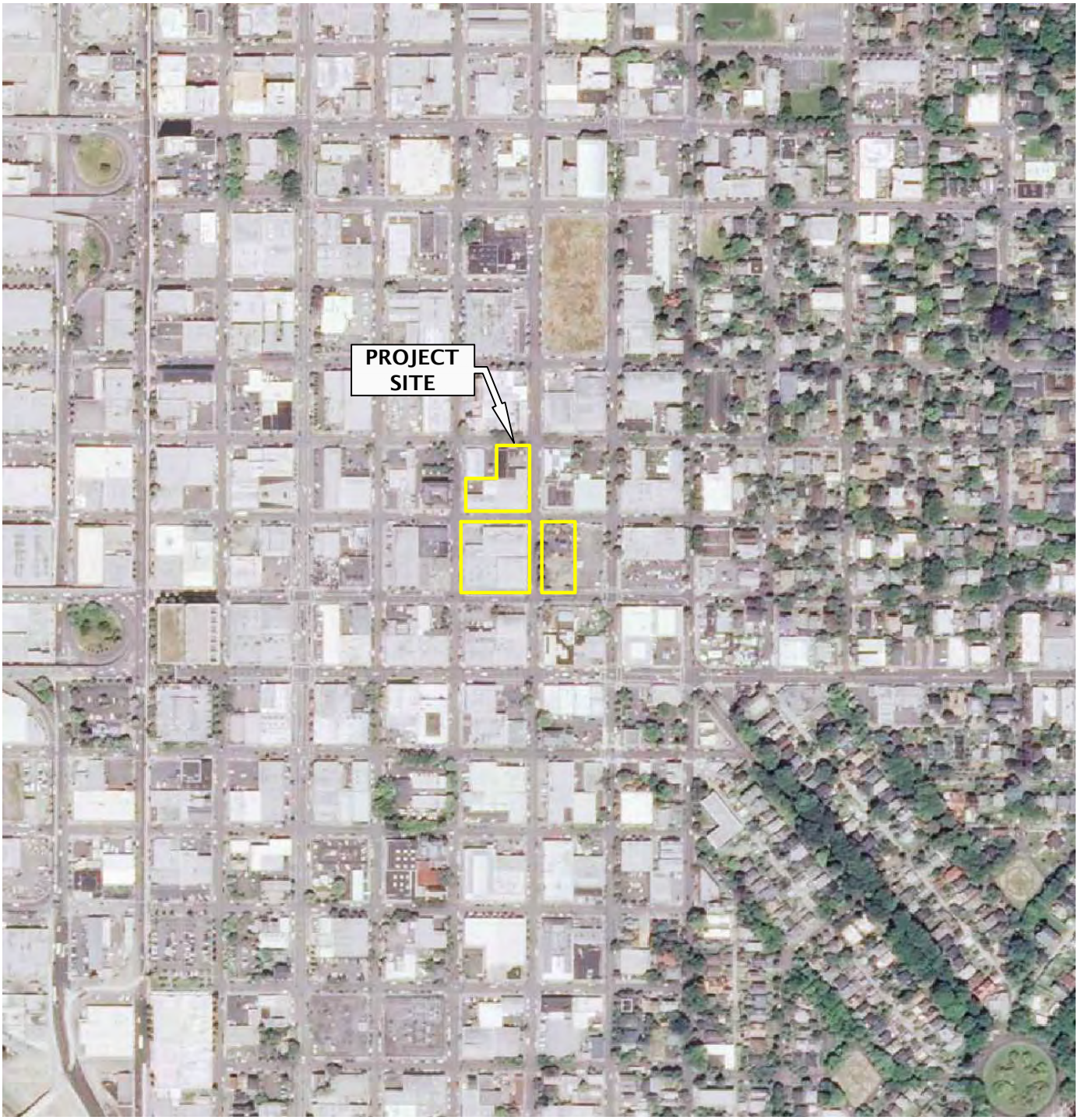
CAPSTONE-12-02/12-03

AUGUST 2016

HISTORICAL AERIAL PHOTOGRAPH
2009

CUSTOM STAMPING SITE
PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:24 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 2009

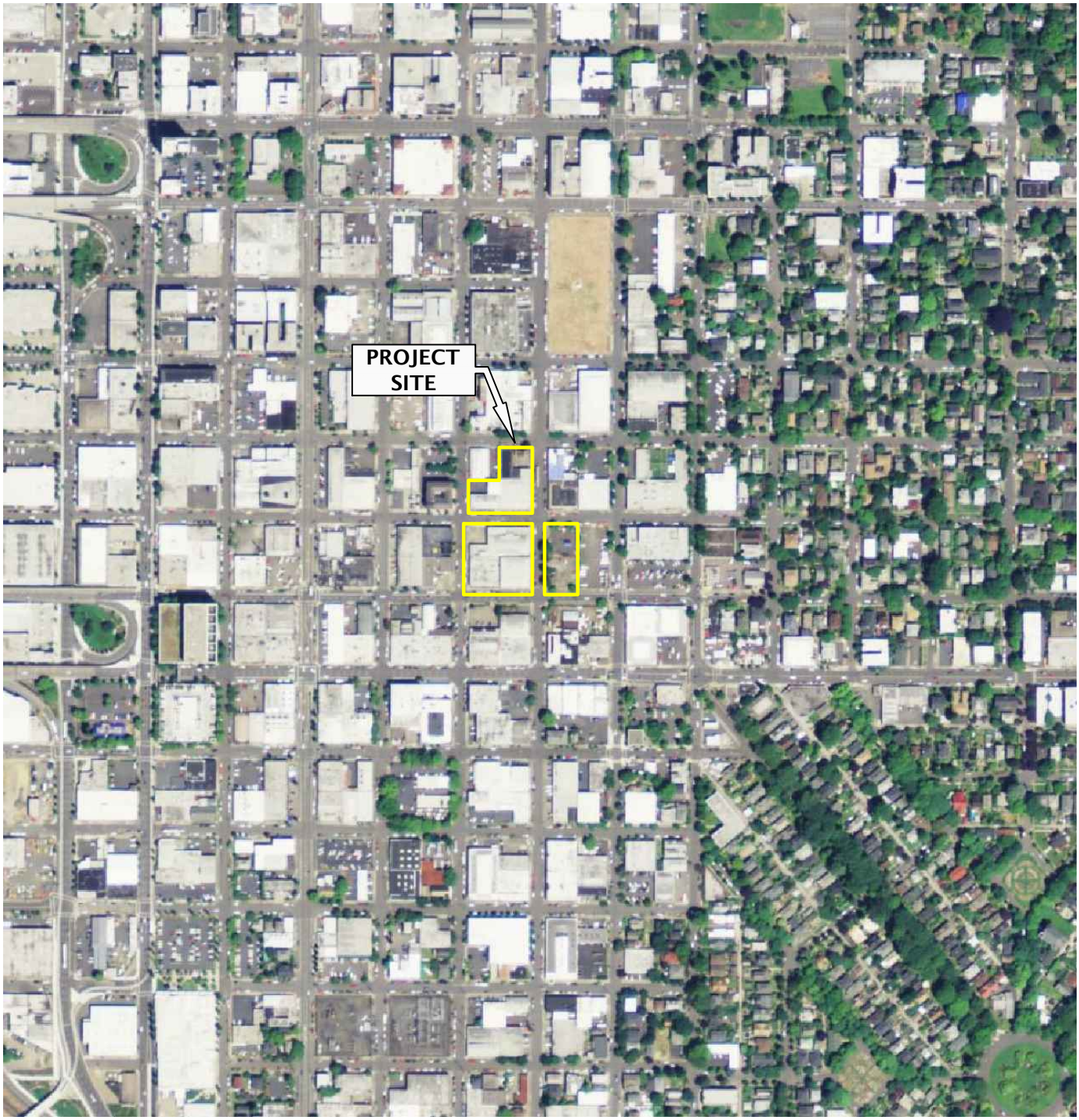


PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GeoDesign Inc 15575 SW Sequoia Parkway - Suite 100 Portland OR 97224 Off 503.968.8787 Fax 503.968.3068	CAPSTONE-12-02/12-03	**HISTORICAL AERIAL PHOTOGRAPH 2011**
	AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:24 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 2011



PROJECT SITE BOUNDARIES ARE APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

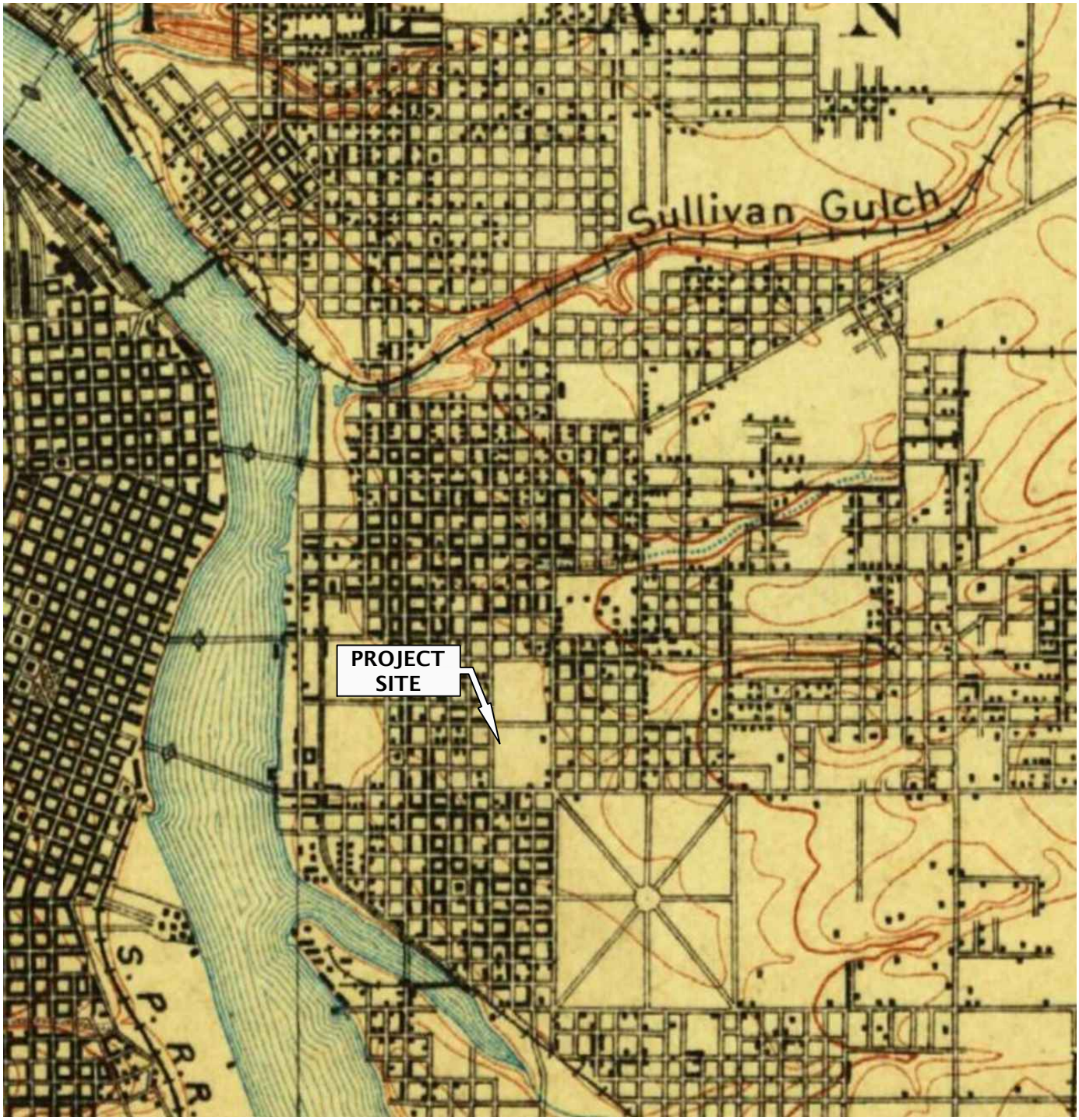
CAPSTONE-12-02/12-03

AUGUST 2016

HISTORICAL AERIAL PHOTOGRAPH
2012

CUSTOM STAMPING SITE
PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:24 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HA01.dwg | Layout: 2012

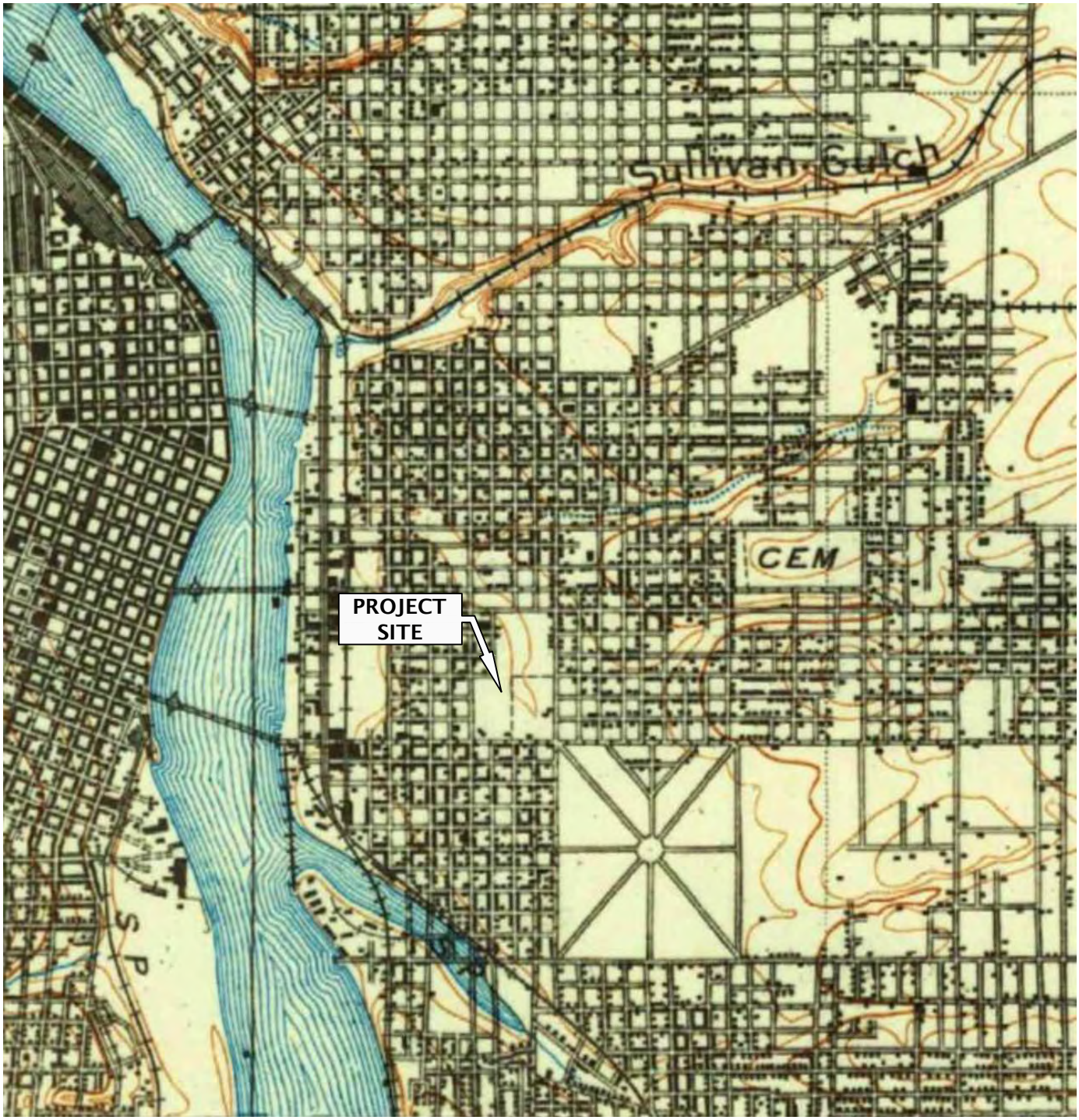


PROJECT SITE LOCATION IS APPROXIMATE.

N

GEODESIGN INC 15575 SW Sequoia Parkway - Suite 100 Portland OR 97224 Off 503.968.8787 Fax 503.968.3068	CAPSTONE-12-02/12-03	**HISTORICAL TOPOGRAPHIC MAP 1897**
	AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:26 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HT01.dwg | Layout: 1897



PROJECT SITE LOCATION IS APPROXIMATE.

N

GeoDesign Inc
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

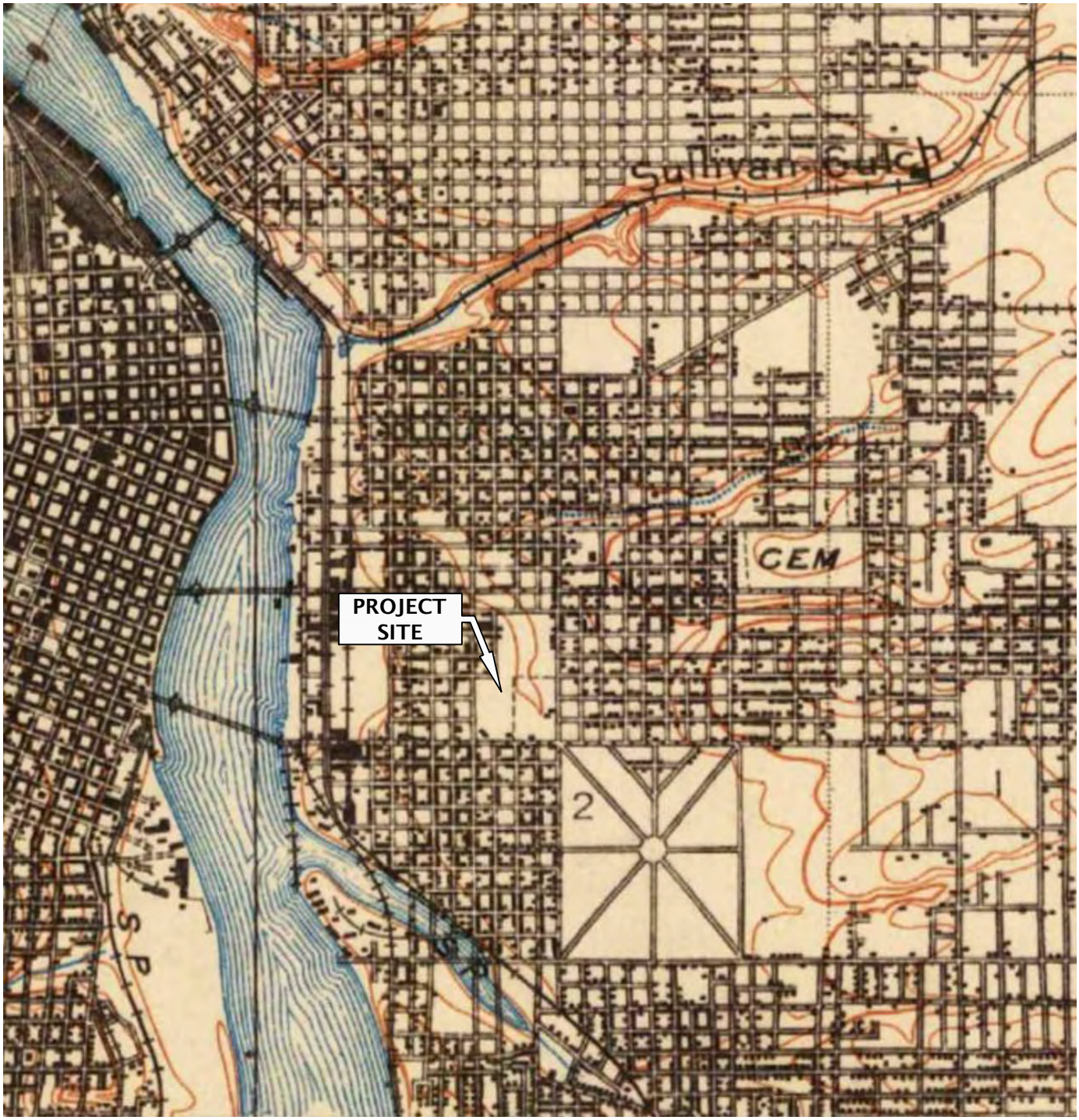
CAPSTONE-12-02/12-03

AUGUST 2016

HISTORICAL TOPOGRAPHIC MAP
1905

CUSTOM STAMPING SITE
PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:26 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HT01.dwg | Layout: 1905



PROJECT SITE LOCATION IS APPROXIMATE.

N

GeoDesign Inc
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

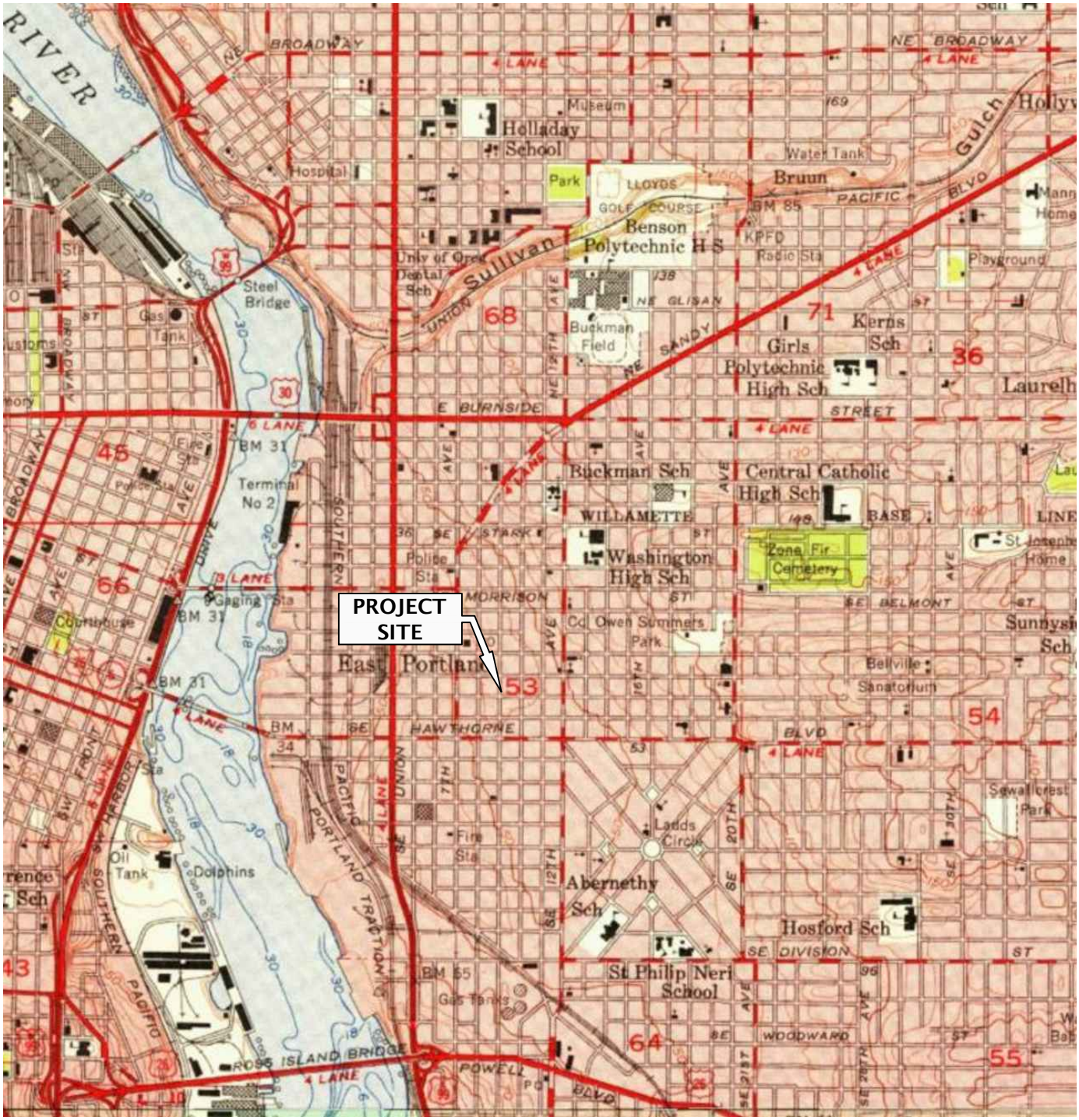
CAPSTONE-12-02/12-03

HISTORICAL TOPOGRAPHIC MAP
1939-40

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:26 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HT01.dwg | Layout: 1939-40



PROJECT SITE LOCATION IS APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

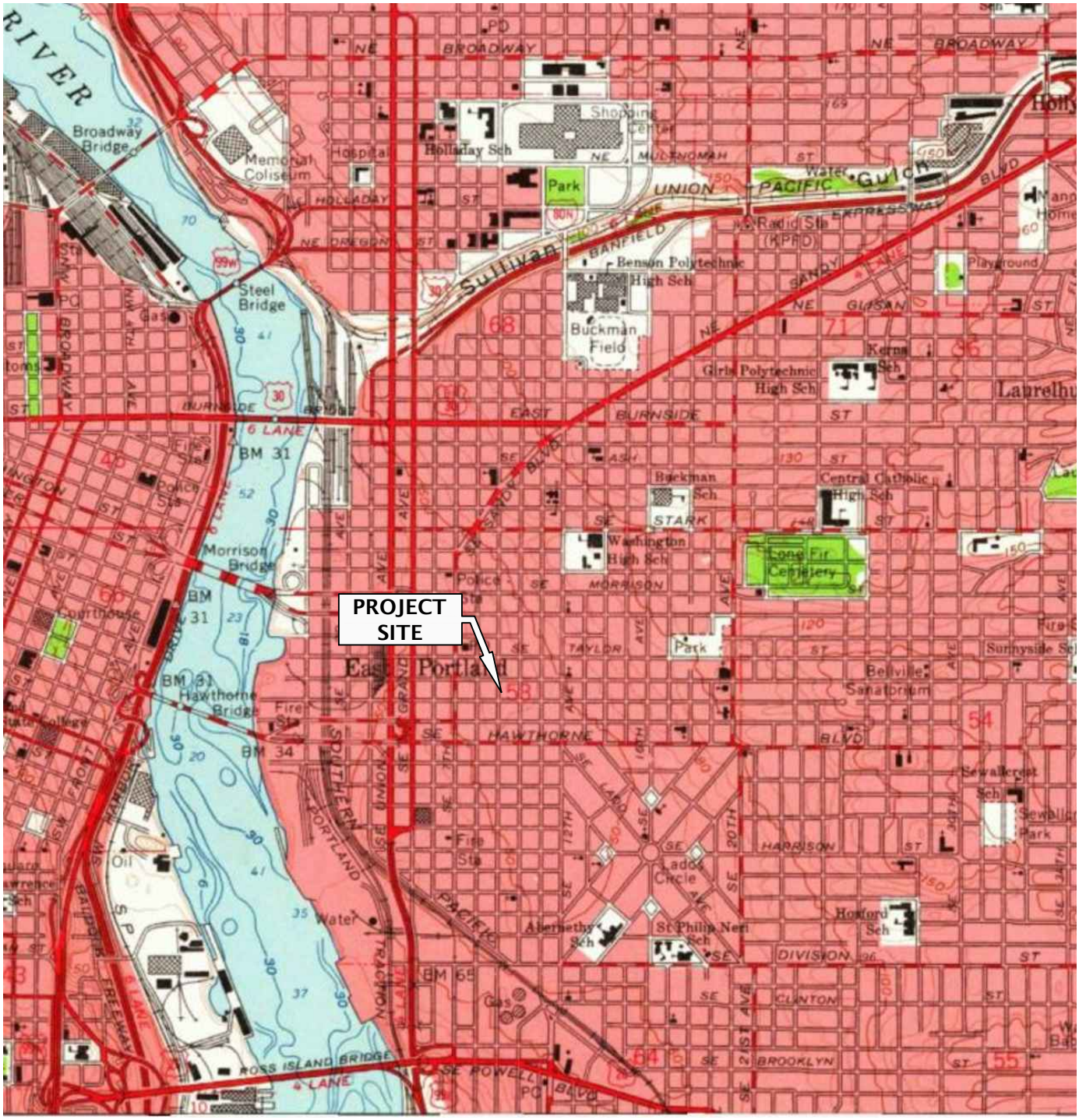
CAPSTONE-12-02/12-03

AUGUST 2016

HISTORICAL TOPOGRAPHIC MAP
1954

CUSTOM STAMPING SITE
PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:27 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HT01.dwg | Layout: 1954

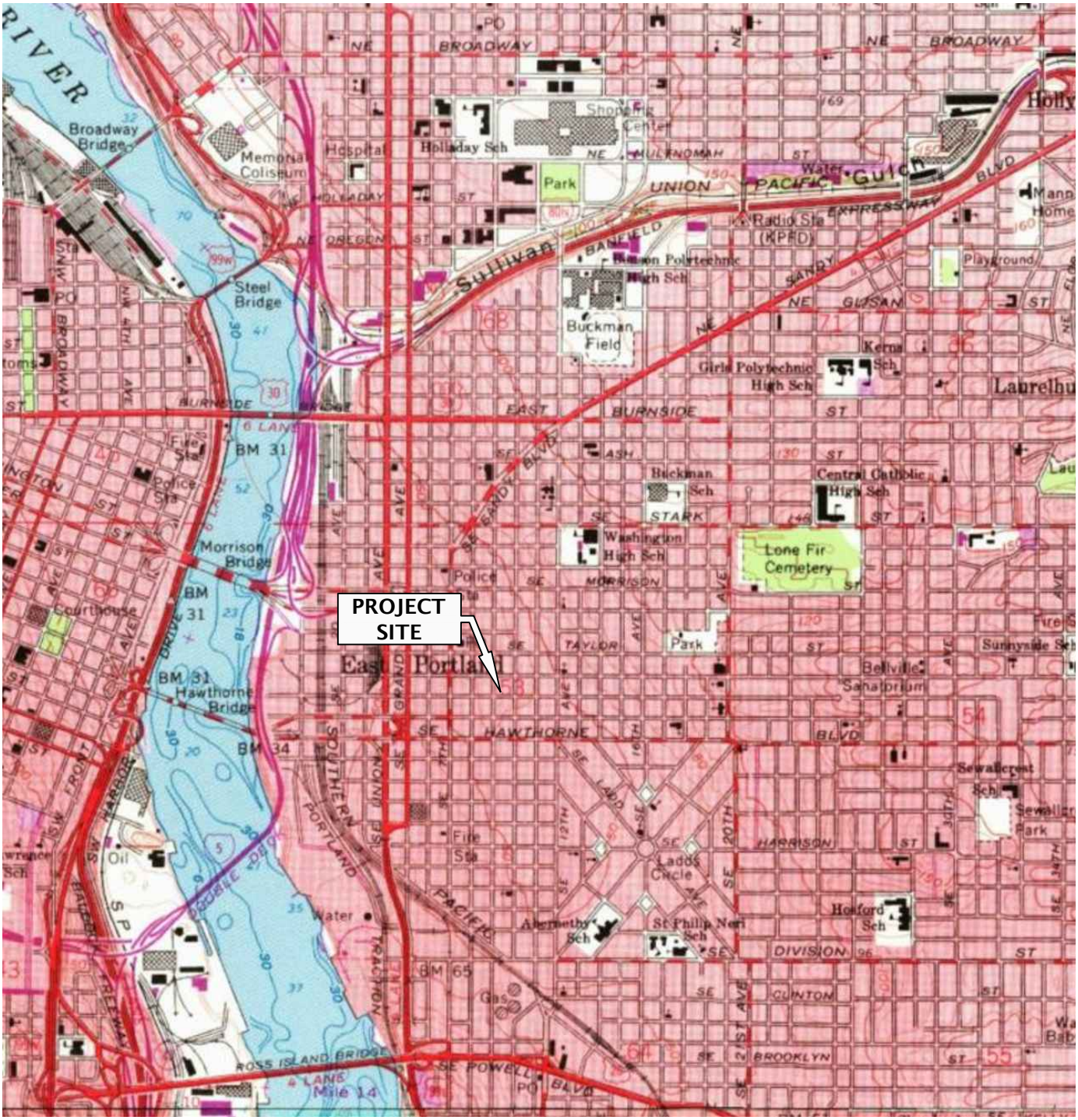


PROJECT SITE LOCATION IS APPROXIMATE.

N

GEODESIGN INC 15575 SW Sequoia Parkway - Suite 100 Portland OR 97224 Off 503.968.8787 Fax 503.968.3068	CAPSTONE-12-02/12-03	**HISTORICAL TOPOGRAPHIC MAP** **1961**
	AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:27 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HT01.dwg | Layout: 1961



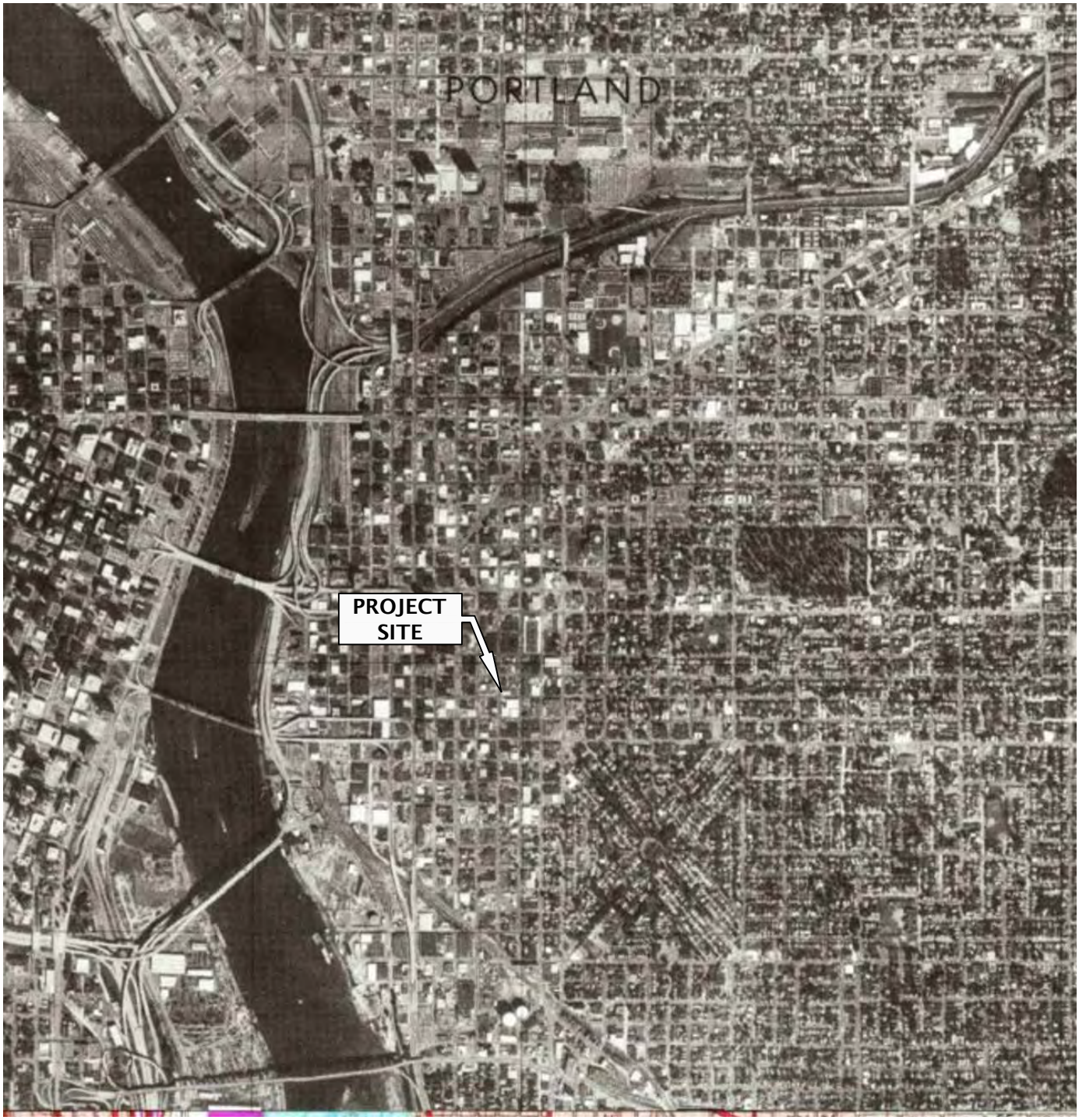
PROJECT SITE LOCATION IS APPROXIMATE.

N

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03	**HISTORICAL TOPOGRAPHIC MAP 1970**
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:27 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HT01.dwg | Layout: 1970



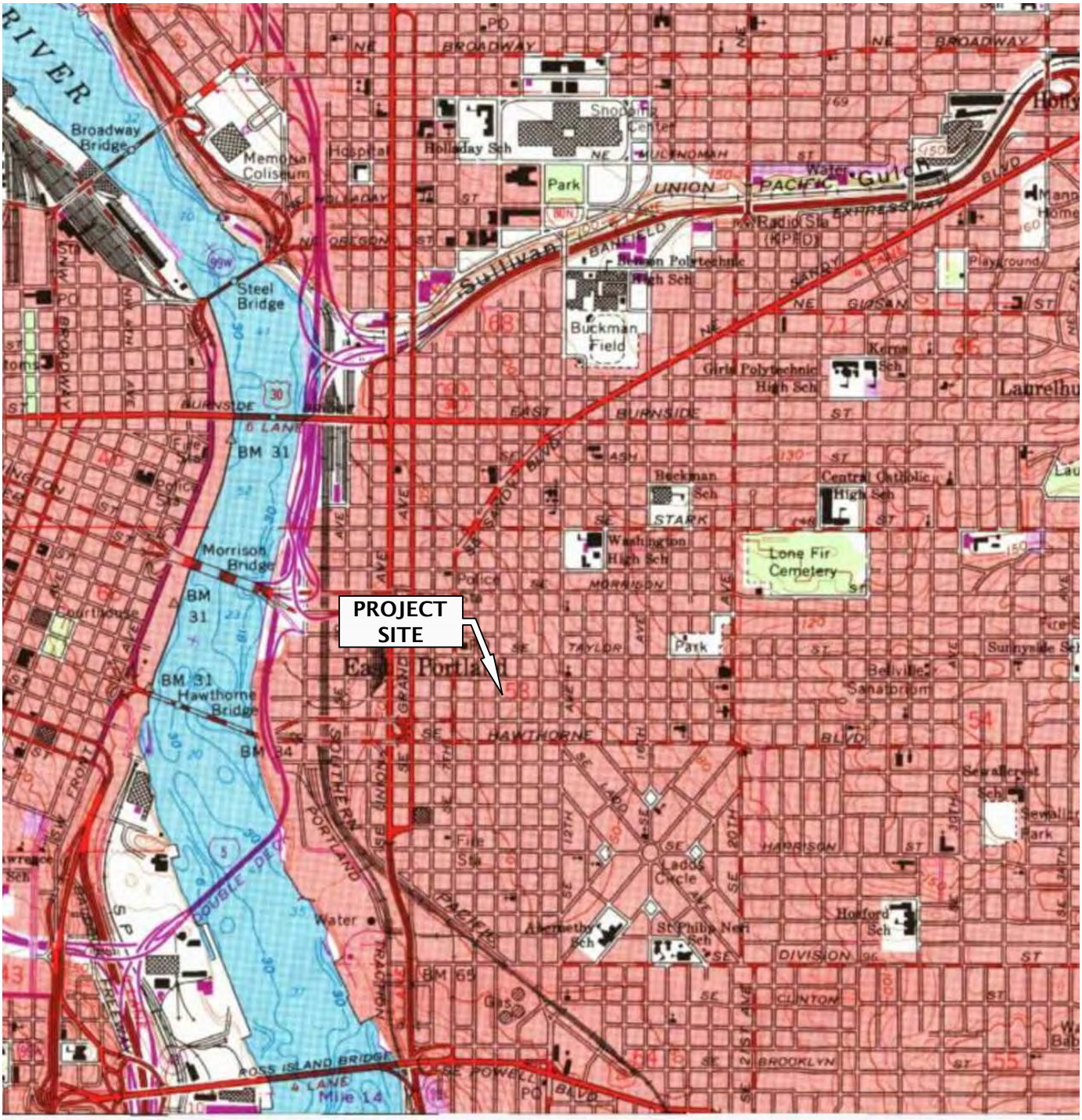
PROJECT SITE LOCATION IS APPROXIMATE.

N

GeoDesign Inc
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03	**HISTORICAL TOPOGRAPHIC MAP 1975**
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:28 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HT01.dwg | Layout: 1975



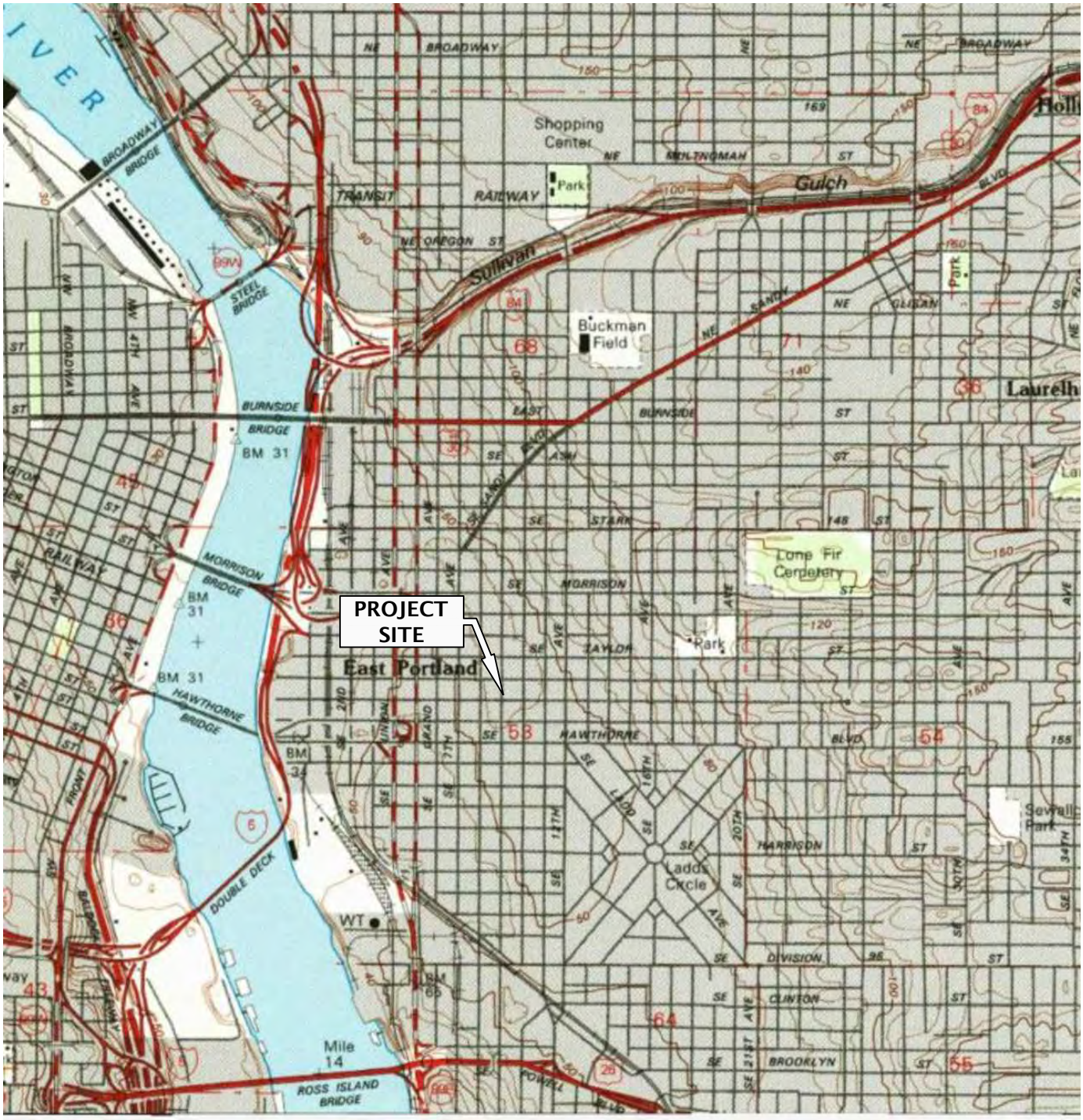
PROJECT SITE LOCATION IS APPROXIMATE.

N

GeoDesign Inc
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03	**HISTORICAL TOPOGRAPHIC MAP 1977-78**
AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:28 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HT01.dwg | Layout: 1977-78

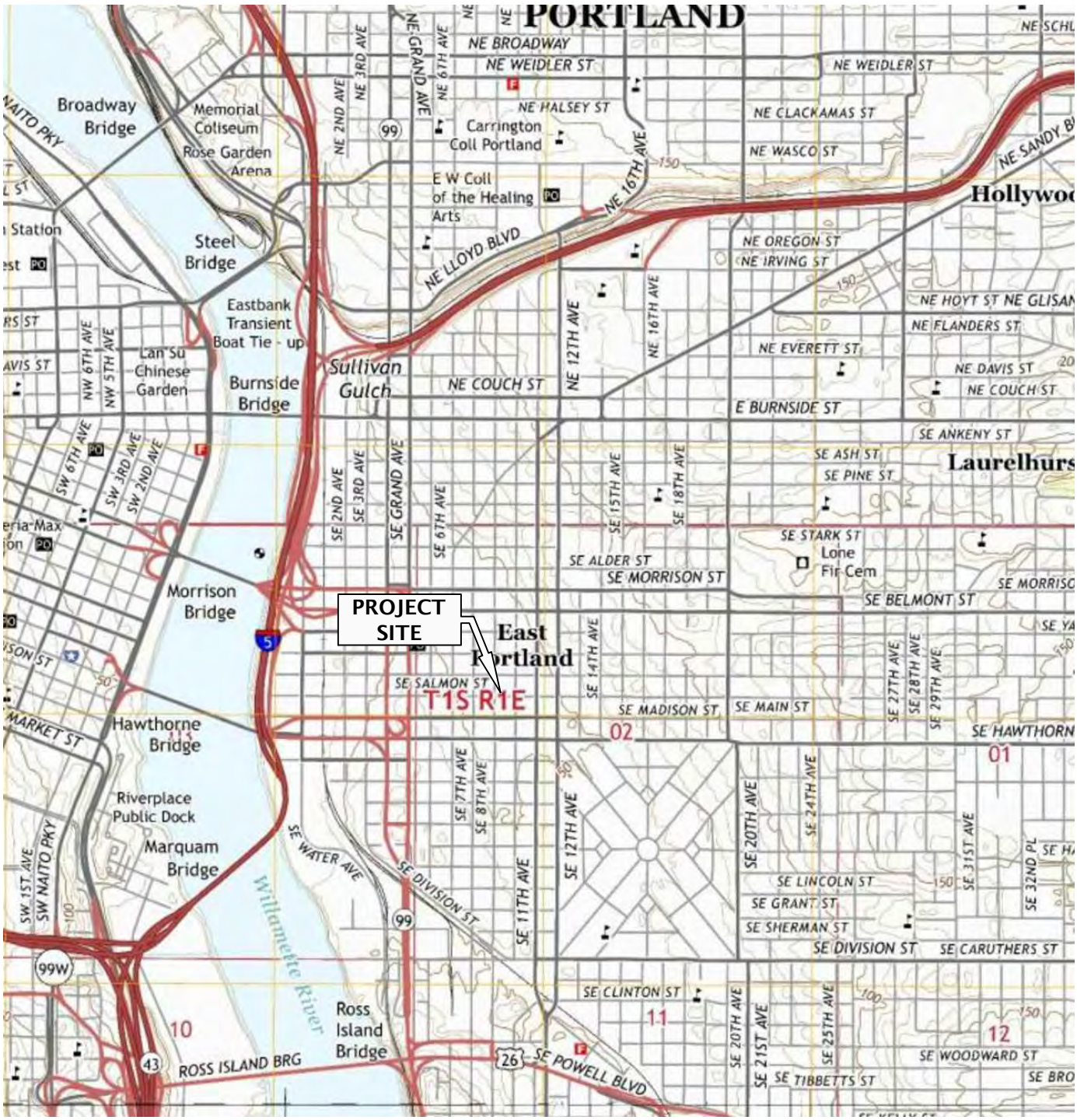


PROJECT SITE LOCATION IS APPROXIMATE.

N

GEODESIGN INC 15575 SW Sequoia Parkway - Suite 100 Portland OR 97224 Off 503.968.8787 Fax 503.968.3068	CAPSTONE-12-02/12-03	**HISTORICAL TOPOGRAPHIC MAP** **1995**
	AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:29 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HT01.dwg | Layout: 1995



PROJECT SITE LOCATION IS APPROXIMATE.

N

GeoDesign Inc 15575 SW Sequoia Parkway - Suite 100 Portland OR 97224 Off 503.968.8787 Fax 503.968.3068	CAPSTONE-12-02/12-03	**HISTORICAL TOPOGRAPHIC MAP 2014**
	AUGUST 2016	CUSTOM STAMPING SITE PORTLAND, OR

Printed By: mmiller | Print Date: 8/17/2016 12:31:29 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-02\Figures\CAD\Capstone-12-02-HT01.dwg | Layout: 2014

Proposed SE Porltand Redevelopment Site
1306 SE 9th Ave
Portland, OR 97214

Inquiry Number: 4554862.5
March 03, 2016

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

DESCRIPTION

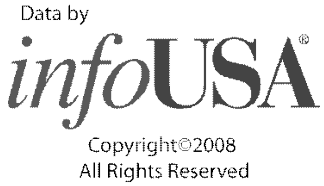
Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1924 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR is licensed to reproduce certain City Directory works. Reproduction of City Directories without permission of the publisher may be a violation of copyright.



RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	X	X	-
2008	Cole Information Services	-	X	X	-
2003	Cole Information Services	-	X	X	-
1998	Cole Information Services	-	-	-	-
1993	Cole Information Services	-	-	-	-
1988	Cole Information Services	-	-	-	-
1985	R. L. Polk and Co. Publishers	-	X	X	X
1981	R.L. Polk Co. Publishers	-	X	X	X
1980	R.L. Polk Co. Publishers	-	-	-	-
1977	R.L. Polk Co. Publishers	-	-	-	-
1975	R. L. Polk and Co. Publishers	-	X	X	X
1970	R. L. Polk Co. Publishers	X	X	X	X
1967	R.L.Polk Co.	-	-	-	-
1965	R.L.Polk Co.	X	X	X	X
1960	R. L. Polk Co. Publishers	X	X	X	X

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1955	R. L. Polk Co. Publishers	X	X	X	X
1950	R. L. Polk Co. Publisher	X	X	X	X
1946	The Pacific Telephone and Telegraph Company	X	X	X	-
1940	R.L. Polk Co., Inc.	-	X	X	X
1935	R.L. Polk Co., Inc.	-	X	X	X
1930	R.L. Polk Co., Inc.	-	-	-	-
1924	R.L. Polk Co., Inc.	-	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1306 SE 9th Ave
Portland, OR 97214

FINDINGS DETAIL

Target Property research detail.

9TH AVE SE

1306 9TH AVE SE

Year	Uses	Source	
1960	Pierce Trailer & Equip Co mofrs	R. L. Polk Co. Publishers	Image pg. A63
1955	Pierce Trailer & Equip Co mfrs	R. L. Polk Co. Publishers	Image pg. A75
1950	APierce Trailer & Equip	R. L. Polk Co. Publisher	Image pg. A85
	Co mfrs	R. L. Polk Co. Publisher	Image pg. A85

SE 9

1306 SE 9

Year	Uses	Source
1946	Pierce Automotive Serv Pierce L H Auto Serv	The Pacific Telephone and Telegraph Company
	Pierce L H Auto Service	The Pacific Telephone and Telegraph Company

SE 9TH AVE

1306 SE 9TH AVE

Year	Uses	Source	
1970	CUSTOM STAMPING C MFG CO	R. L. Polk Co. Publishers	Image pg. A34
	EAST SIDE TOOL 6 DIE CO	R. L. Polk Co. Publishers	Image pg. A34
1965	PIERCE TRAILER & EQUIPMENT CO MFRS	R.L.Polk Co.	Image pg. A52

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

10TH AVE SE

1127 10TH AVE SE

Year	Uses	Source	
1965	OREGON BRASS WORKS	R.L.Polk Co.	Image pg. A53
1960	Oregon Brass Whos	R. L. Polk Co. Publishers	Image pg. A64
1955	Oregon Brass Wks	R. L. Polk Co. Publishers	Image pg. A76
1950	AOregon Brass Wks	R. L. Polk Co. Publisher	Image pg. A86
1940	Oregon Brass Works	R.L. Polk Co., Inc.	Image pg. A95
	SE S FROM almon SE Main and SE	R.L. Polk Co., Inc.	Image pg. A95
	SE S FROM almon SE Main and SE	R.L. Polk Co., Inc.	Image pg. A95
1935	Oregon Brass Works	R.L. Polk Co., Inc.	Image pg. A106

1138 10TH AVE SE

Year	Uses	Source	
1965	CIRCLE A W PRODUCTS CO INC SHT MTL	R.L.Polk Co.	Image pg. A53
1960	Div box mrnte	R. L. Polk Co. Publishers	Image pg. A64
	Poln Box Co Oregon Ltd Lbr	R. L. Polk Co. Publishers	Image pg. A64
1955	Fruebauf Trailer Co mfrs	R. L. Polk Co. Publishers	Image pg. A76
1950	m frs	R. L. Polk Co. Publisher	Image pg. A86
	AFruehauf Trailer Co	R. L. Polk Co. Publisher	Image pg. A86

1417 10TH AVE SE

Year	Uses	Source	
1935	Vacant	R.L. Polk Co., Inc.	Image pg. A106

1427 10TH AVE SE

Year	Uses	Source	
1965	STURGILL INSTRUMENT CO SPEED OMTR REPR	R.L.Polk Co.	Image pg. A53
	INTERSECTS	R.L.Polk Co.	Image pg. A53
	SE HAWTHORNE BLVD	R.L.Polk Co.	Image pg. A53
1960	Vacant	R. L. Polk Co. Publishers	Image pg. A64
1955	East Side Tool & Dye ship & receiving	R. L. Polk Co. Publishers	Image pg. A76
1950	AP & S Paint Co whse	R. L. Polk Co. Publisher	Image pg. A86
1940	Oregon Grange whse	R.L. Polk Co., Inc.	Image pg. A95

FINDINGS

1429 10TH AVE SE

Year	Uses	Source	
1960	Div box mrnte	R. L. Polk Co. Publishers	Image pg. A64
	Vaceait	R. L. Polk Co. Publishers	Image pg. A64
1955	McDonald Co Inc delivery entrance	R. L. Polk Co. Publishers	Image pg. A76

1513 10TH AVE SE

Year	Uses	Source	
1965	MARGES CAFE	R.L.Polk Co.	Image pg. A53
	REAR SPETS JAMES A	R.L.Polk Co.	Image pg. A53
1960	relr Spots Joe A l	R. L. Polk Co. Publishers	Image pg. A64
	Marges Cfe	R. L. Polk Co. Publishers	Image pg. A64
1955	Spets Jas A	R. L. Polk Co. Publishers	Image pg. A76
	Marges Cafe	R. L. Polk Co. Publishers	Image pg. A76
1950	Smith W L B	R. L. Polk Co. Publisher	Image pg. A86
1940	Thomas Jas J	R.L. Polk Co., Inc.	Image pg. A95
1935	Beroud Louis E	R.L. Polk Co., Inc.	Image pg. A106

1514 10TH AVE SE

Year	Uses	Source	
1965	VACANT	R.L.Polk Co.	Image pg. A53
1940	Co mach shop	R.L. Polk Co., Inc.	Image pg. A95
	Western Golf Course Supply	R.L. Polk Co., Inc.	Image pg. A95
1935	Western Golf Course Supply	R.L. Polk Co., Inc.	Image pg. A106

1517 10TH AVE SE

Year	Uses	Source	
1960	Western Golf Course Sl lp Co	R. L. Polk Co. Publishers	Image pg. A64
	Whiae	R. L. Polk Co. Publishers	Image pg. A64
1955	Western Golf Course Sup Co whse	R. L. Polk Co. Publishers	Image pg. A76
1950	Western Golf Course	R. L. Polk Co. Publisher	Image pg. A86
	Sup Co whse	R. L. Polk Co. Publisher	Image pg. A86
1940	reprs	R.L. Polk Co., Inc.	Image pg. A95
	Northwest Refrigeration Inc	R.L. Polk Co., Inc.	Image pg. A95
	Contacters Co refrigeration	R.L. Polk Co., Inc.	Image pg. A95
	service	R.L. Polk Co., Inc.	Image pg. A95
1935	Hurley Ada Mrs	R.L. Polk Co., Inc.	Image pg. A106

1525 10TH AVE SE

Year	Uses	Source	
1965	NATIONAL BUILDERS HARDWARE CO	R.L.Polk Co.	Image pg. A53

FINDINGS

1528 10TH AVE SE

Year	Uses	Source	
1965	DAVENPORT ELSIE M MRS	R.L.Polk Co.	Image pg. A53
1960	Daiveport Elsie M Mrs	R. L. Polk Co. Publishers	Image pg. A64
	Richey Jerry	R. L. Polk Co. Publishers	Image pg. A64
1955	Davenport Jess L	R. L. Polk Co. Publishers	Image pg. A76
1950	ADavenport J L	R. L. Polk Co. Publisher	Image pg. A86
1940	Ikerd Mary Mrs	R.L. Polk Co., Inc.	Image pg. A95
1935	Ikerd Mary Mrs	R.L. Polk Co., Inc.	Image pg. A106

1529 10TH AVE SE

Year	Uses	Source	
1955	No return	R. L. Polk Co. Publishers	Image pg. A76
1950	Vacant	R. L. Polk Co. Publisher	Image pg. A86
1940	Thomas John J	R.L. Polk Co., Inc.	Image pg. A95

11TH AVE SE

1412 11TH AVE SE

Year	Uses	Source	
1960	Meyer Fred Inc ice cream	R. L. Polk Co. Publishers	Image pg. A65
	plant	R. L. Polk Co. Publishers	Image pg. A65
1955	Meyer Fred Inc ice cream plant	R. L. Polk Co. Publishers	Image pg. A77
1950	Meyer Fred Inc foty	R. L. Polk Co. Publisher	Image pg. A87
	AMeyer Fred Inc tee	R. L. Polk Co. Publisher	Image pg. A87
	cream plant	R. L. Polk Co. Publisher	Image pg. A87

1420 11TH AVE SE

Year	Uses	Source	
1935	Liberty Laundry Co	R.L. Polk Co., Inc.	Image pg. A107

1430 11TH AVE SE

Year	Uses	Source	
1960	Meyers Fred Inc candy dept	R. L. Polk Co. Publishers	Image pg. A65
	plant	R. L. Polk Co. Publishers	Image pg. A65
1955	Meyers Fred Inc candy dept	R. L. Polk Co. Publishers	Image pg. A77

FINDINGS

7TH AVE SE

1200 7TH AVE SE

Year	Uses	Source	
1960	Trane Co The air conditioning equip	R. L. Polk Co. Publishers	Image pg. A66
		R. L. Polk Co. Publishers	Image pg. A66
1955	Trane Co The air condtg equip	R. L. Polk Co. Publishers	Image pg. A78

1208 7TH AVE SE

Year	Uses	Source	
1960	Abco Poe Inc boiler mfrs	R. L. Polk Co. Publishers	Image pg. A66

1210 7TH AVE SE

Year	Uses	Source	
1960	equip	R. L. Polk Co. Publishers	Image pg. A66
	Barber Coleman Co temp control	R. L. Polk Co. Publishers	Image pg. A66

1214 7TH AVE SE

Year	Uses	Source	
1960	Underwriters Laboratories Ins	R. L. Polk Co. Publishers	Image pg. A66

1218 7TH AVE SE

Year	Uses	Source	
1960	Pao Scientific Co br testing apparatus	R. L. Polk Co. Publishers	Image pg. A66
		R. L. Polk Co. Publishers	Image pg. A66

1222 7TH AVE SE

Year	Uses	Source	
1960	Allied Northwest Mach Tool Corp	R. L. Polk Co. Publishers	Image pg. A66

1226 7TH AVE SE

Year	Uses	Source	
1960	Willamette Tariff Bur Inc	R. L. Polk Co. Publishers	Image pg. A66

1230 7TH AVE SE

Year	Uses	Source	
1960	hydraulle equip	R. L. Polk Co. Publishers	Image pg. A66
	Spencer Aircraft Industries Inc	R. L. Polk Co. Publishers	Image pg. A66

1234 7TH AVE SE

Year	Uses	Source	
1960	Central Finance Corp	R. L. Polk Co. Publishers	Image pg. A66

FINDINGS

1306 7TH AVE SE

Year	Uses	Source	
1960	Am Sign Serv	R. L. Polk Co. Publishers	Image pg. A66
1955	Vacant	R. L. Polk Co. Publishers	Image pg. A78
1950	paints	R. L. Polk Co. Publisher	Image pg. A88
	ATechnical Products Co	R. L. Polk Co. Publisher	Image pg. A88
1940	Willamette Pattern Works	R.L. Polk Co., Inc.	Image pg. A96
1935	Willamette Pattern Works	R.L. Polk Co., Inc.	Image pg. A108

1316 7TH AVE SE

Year	Uses	Source	
1960	Instrument Laby Ino Tbie cang	R. L. Polk Co. Publishers	Image pg. A66
1955	Stevens Robt T & Co importers	R. L. Polk Co. Publishers	Image pg. A78
	Christians Color Card Serv Inc	R. L. Polk Co. Publishers	Image pg. A78
1940	Cranes Roofing Service	R.L. Polk Co., Inc.	Image pg. A96
1935	Cranes Roof Supplies	R.L. Polk Co., Inc.	Image pg. A108

1326 7TH AVE SE

Year	Uses	Source	
1960	Deroch Julian	R. L. Polk Co. Publishers	Image pg. A66
	Deroch Julian	R. L. Polk Co. Publishers	Image pg. A66
	Wareliam Mtr Ca used cars	R. L. Polk Co. Publishers	Image pg. A66

8TH AVE SE

1203 8TH AVE SE

Year	Uses	Source	
1955	Vacant	R. L. Polk Co. Publishers	Image pg. A79
1950	ABodle R D Co frozen food	R. L. Polk Co. Publisher	Image pg. A89
1940	enamelers	R.L. Polk Co., Inc.	Image pg. A97
	Fowler Mfg Co mfrs agts	R.L. Polk Co., Inc.	Image pg. A97
	Arthur & Fowler Co elec	R.L. Polk Co., Inc.	Image pg. A97
	water heater mfrs	R.L. Polk Co., Inc.	Image pg. A97
	Fowler Corp porcelain	R.L. Polk Co., Inc.	Image pg. A97
1935	Vacant	R.L. Polk Co., Inc.	Image pg. A109

1208 8TH AVE SE

Year	Uses	Source	
1970	MURPHY E L TRUCKING	R. L. Polk Co. Publishers	Image pg. A35
	NOPRIS RICHFIELD TRUCK & AUTO TRUCK TERMINAL	R. L. Polk Co. Publishers	Image pg. A35

FINDINGS

Year	Uses	Source	
1970	T 6 N TRUCK WASH TRUCK WASHING 6 PLSHG	R. L. Polk Co. Publishers	Image pg. A35

1215 8TH AVE SE

Year	Uses	Source	
1970	NATIONAL BUILDERS HARDWARE cd INC WHOL HDW	R. L. Polk Co. Publishers	Image pg. A35
1960	Oregon Waslingtots Haordware Co	R. L. Polk Co. Publishers	Image pg. A67
	Calif whol lube celoup	R. L. Polk Co. Publishers	Image pg. A67

1306 8TH AVE SE

Year	Uses	Source	
1935	East Side Sales Stable	R.L. Polk Co., Inc.	Image pg. A109

1311 8TH AVE SE

Year	Uses	Source	
1960	Enterprise Fdry Co	R. L. Polk Co. Publishers	Image pg. A67
1955	Enterprise Fdy Co	R. L. Polk Co. Publishers	Image pg. A79
1950	Al Enterprise Fndy Co	R. L. Polk Co. Publisher	Image pg. A89
1940	Enterprise Foundry Co	R.L. Polk Co., Inc.	Image pg. A97
1935	Enterprise Foundry Co	R.L. Polk Co., Inc.	Image pg. A109

1318 8TH AVE SE

Year	Uses	Source	
1935	Vacant	R.L. Polk Co., Inc.	Image pg. A109

1339 8TH AVE SE

Year	Uses	Source	
1970	E C 0 CORP MTCE DEPT	R. L. Polk Co. Publishers	Image pg. A35
1960	Pac Ific Tel Nortlhwoest coin	R. L. Polk Co. Publishers	Image pg. A67
	collr ofc	R. L. Polk Co. Publishers	Image pg. A67
	collr ofc	R. L. Polk Co. Publishers	Image pg. A67
1955	Pacific Tel & Teles Co whse	R. L. Polk Co. Publishers	Image pg. A79

1405 8TH AVE SE

Year	Uses	Source	
1970	KROPP EDWARD L CO MACHINERY DLRS	R. L. Polk Co. Publishers	Image pg. A35
1960	Kroplo 1d1w L Co ioseclobnery dirs	R. L. Polk Co. Publishers	Image pg. A67
1955	Pac Car & Fndry Co logging enuip	R. L. Polk Co. Publishers	Image pg. A79
	Krupp Edw L Co machinery dlrs	R. L. Polk Co. Publishers	Image pg. A79
1950	APac Car & Fndy Co	R. L. Polk Co. Publisher	Image pg. A89

FINDINGS

Year	Uses	Source	
1950	logging equip	R. L. Polk Co. Publisher	Image pg. A89
	AAir Mack Equip Co	R. L. Polk Co. Publisher	Image pg. A89
	industrial sups	R. L. Polk Co. Publisher	Image pg. A89
	AWestern Road Machy Co	R. L. Polk Co. Publisher	Image pg. A89

1406 8TH AVE SE

Year	Uses	Source	
1940	Murch Geo R used cars	R.L. Polk Co., Inc.	Image pg. A97

1415 8TH AVE SE

Year	Uses	Source	
1970	GRANNING S& TREECE FINANCIAL CORP LOANS	R. L. Polk Co. Publishers	Image pg. A35
1960	Bukcer Tom Fooooerasl Caseli S	R. L. Polk Co. Publishers	Image pg. A67

1416 8TH AVE SE

Year	Uses	Source	
1970	0 E C 0 CORPORATION ELEC FABR I CATORS	R. L. Polk Co. Publishers	Image pg. A35
1955	Windsor Studios photogs	R. L. Polk Co. Publishers	Image pg. A79
	Studios Inc photogs	R. L. Polk Co. Publishers	Image pg. A79
	Beverly Studios photogs	R. L. Polk Co. Publishers	Image pg. A79
	Avalon Studios photogs	R. L. Polk Co. Publishers	Image pg. A79
1950	AWindsor Studios photogs	R. L. Polk Co. Publisher	Image pg. A89
	AVogue Studios photogs	R. L. Polk Co. Publisher	Image pg. A89
	AAvalon Studios photogs	R. L. Polk Co. Publisher	Image pg. A89
	ABeverly Studios photogs	R. L. Polk Co. Publisher	Image pg. A89
	AStudlos Inc photogs	R. L. Polk Co. Publisher	Image pg. A89

1418 8TH AVE SE

Year	Uses	Source	
1960	collr ofc	R. L. Polk Co. Publishers	Image pg. A67
	Osborne Electroiic Corp br	R. L. Polk Co. Publishers	Image pg. A67

1425 8TH AVE SE

Year	Uses	Source	
1970	BETTER PRODUCTS CO WHSEI	R. L. Polk Co. Publishers	Image pg. A35
	SE HAWTHORNE BLVD	R. L. Polk Co. Publishers	Image pg. A35
	INTERSECTS	R. L. Polk Co. Publishers	Image pg. A35
1950	Better Products Co whse	R. L. Polk Co. Publisher	Image pg. A89

FINDINGS

1426 8TH AVE SE

Year	Uses	Source	
1935	Vacant	R.L. Polk Co., Inc.	Image pg. A109

1504 8TH AVE SE

Year	Uses	Source	
1960	A Cl E	R. L. Polk Co. Publishers	Image pg. A67
	Sturgill Instrument Co auto	R. L. Polk Co. Publishers	Image pg. A67
1955	Sturgill Instrument Co auto access	R. L. Polk Co. Publishers	Image pg. A79

1510 8TH AVE SE

Year	Uses	Source	
1960	SE FROM Clay intenseuts	R. L. Polk Co. Publishers	Image pg. A67
	Portland Moling & Sgo wlsc	R. L. Polk Co. Publishers	Image pg. A67
1955	Portland Moving & Storage Whse	R. L. Polk Co. Publishers	Image pg. A79
1950	a California Products Co	R. L. Polk Co. Publisher	Image pg. A89
	seafood canners	R. L. Polk Co. Publisher	Image pg. A89

1521 8TH AVE SE

Year	Uses	Source	
1950	AHumeland Jeannette Mrs	R. L. Polk Co. Publisher	Image pg. A89
1940	Humeland E Jacob	R.L. Polk Co., Inc.	Image pg. A97
1935	Kearney Thos J	R.L. Polk Co., Inc.	Image pg. A109

1525 8TH AVE SE

Year	Uses	Source	
1970	WECO TIRE DISTRIBUTORS WHOL	R. L. Polk Co. Publishers	Image pg. A35

95TH AVE SE

1210 95TH AVE SE

Year	Uses	Source	
1960	Bain Warren C	R. L. Polk Co. Publishers	Image pg. A68

1216 95TH AVE SE

Year	Uses	Source	
1960	Za Bo Fred R	R. L. Polk Co. Publishers	Image pg. A68

1229 95TH AVE SE

Year	Uses	Source	
1960	Siolth Herbert	R. L. Polk Co. Publishers	Image pg. A68

FINDINGS

1238 95TH AVE SE

Year	Uses	Source	
1960	Clyde James B	R. L. Polk Co. Publishers	Image pg. A68

9TH AVE SE

1100 9TH AVE SE

Year	Uses	Source	
1960	Grain Insp	R. L. Polk Co. Publishers	Image pg. A63
	Ore Brass Wks Sh Iop & Laby	R. L. Polk Co. Publishers	Image pg. A63
1955	Vacant	R. L. Polk Co. Publishers	Image pg. A75
1950	Vacant	R. L. Polk Co. Publisher	Image pg. A85
1940	Vacant	R.L. Polk Co., Inc.	Image pg. A98

1108 9TH AVE SE

Year	Uses	Source	
1955	Vacant	R. L. Polk Co. Publishers	Image pg. A75
1935	Holt V L & Co machy mfrs	R.L. Polk Co., Inc.	Image pg. A110
	Thayer G H Engineering Co	R.L. Polk Co., Inc.	Image pg. A110

1208 9TH AVE SE

Year	Uses	Source	
1955	Vacant	R. L. Polk Co. Publishers	Image pg. A75
1950	AMorgan Truck Serv	R. L. Polk Co. Publisher	Image pg. A85
	AWymore Truck Serv	R. L. Polk Co. Publisher	Image pg. A85

1212 9TH AVE SE

Year	Uses	Source	
1960	Plerce Trailer & Equip Co wiase	R. L. Polk Co. Publishers	Image pg. A63
1955	Rays Food Serv mfrs	R. L. Polk Co. Publishers	Image pg. A75
1950	pared food products	R. L. Polk Co. Publisher	Image pg. A85
	ARays Food Serv pre	R. L. Polk Co. Publisher	Image pg. A85

1226 9TH AVE SE

Year	Uses	Source	
1950	AStout W W	R. L. Polk Co. Publisher	Image pg. A85

1240 9TH AVE SE

Year	Uses	Source	
1960	Senter Tool Serv Ine mfrs	R. L. Polk Co. Publishers	Image pg. A63
1955	Senter Tool Serv Inc	R. L. Polk Co. Publishers	Image pg. A75

FINDINGS

Year	Uses	Source	
1950	A Senter Tool Serv tool	R. L. Polk Co. Publisher	Image pg. A85
1940	Senter Tool Service	R.L. Polk Co., Inc.	Image pg. A98

1313 9TH AVE SE

Year	Uses	Source	
1960	Caiiieren Hilda M Mrs	R. L. Polk Co. Publishers	Image pg. A63
1955	Cameron Hilda M	R. L. Polk Co. Publishers	Image pg. A75
1950	Vacant	R. L. Polk Co. Publisher	Image pg. A85
1940	Palmer Sami H	R.L. Polk Co., Inc.	Image pg. A98

1315 9TH AVE SE

Year	Uses	Source	
1960	Paramount Sup Co wheel Indust	R. L. Polk Co. Publishers	Image pg. A63
	rial semps	R. L. Polk Co. Publishers	Image pg. A63
1955	Premier Products	R. L. Polk Co. Publishers	Image pg. A75
1950	Western Fence & Wire	R. L. Polk Co. Publisher	Image pg. A85
	Wks mfrs	R. L. Polk Co. Publisher	Image pg. A85
1940	Western Fence & Wire	R.L. Polk Co., Inc.	Image pg. A98
	Works	R.L. Polk Co., Inc.	Image pg. A98

1317 9TH AVE SE

Year	Uses	Source	
1955	Zoes Lunch	R. L. Polk Co. Publishers	Image pg. A75
1950	Marys Lunch	R. L. Polk Co. Publisher	Image pg. A85
1940	Thayer Roy F restr	R.L. Polk Co., Inc.	Image pg. A98

1323 9TH AVE SE

Year	Uses	Source	
1935	Sound Wrecking Co bldg	R.L. Polk Co., Inc.	Image pg. A110
	wreckers	R.L. Polk Co., Inc.	Image pg. A110

1325 9TH AVE SE

Year	Uses	Source	
1960	Nu Vilta Foods	R. L. Polk Co. Publishers	Image pg. A63
1955	NuVita Foods	R. L. Polk Co. Publishers	Image pg. A75

1340 9TH AVE SE

Year	Uses	Source	
1960	East Side Tool Die Works Inn	R. L. Polk Co. Publishers	Image pg. A63
	rial semps	R. L. Polk Co. Publishers	Image pg. A63

FINDINGS

Year	Uses	Source	
1955	East Side Tool & Die Works	R. L. Polk Co. Publishers	Image pg. A75
	Pac Tool & Die Co die mfg	R. L. Polk Co. Publishers	Image pg. A75
1950	SE Madison inteysects	R. L. Polk Co. Publisher	Image pg. A85
	APac Tool & Die Wks	R. L. Polk Co. Publisher	Image pg. A85
	metal stamping	R. L. Polk Co. Publisher	Image pg. A85

1430 9TH AVE SE

Year	Uses	Source	
1940	Mc Donald & Wetle	R.L. Polk Co., Inc.	Image pg. A98
	sheet mtl wks and roofers	R.L. Polk Co., Inc.	Image pg. A98
1935	Mc Donald & Wetle sheet mtl wks	R.L. Polk Co., Inc.	Image pg. A110

1510 9TH AVE SE

Year	Uses	Source	
1960	Beayor Building A	R. L. Polk Co. Publishers	Image pg. A63
	Ancient Order of Druids Grove	R. L. Polk Co. Publishers	Image pg. A63
	Ancient Order of Druicds Grove	R. L. Polk Co. Publishers	Image pg. A63
	Bersaglierl Columbia Society	R. L. Polk Co. Publishers	Image pg. A63
	Brotaierhnscood of Lococmsotive Firo	R. L. Polk Co. Publishers	Image pg. A63
	soen & Eng Inenern Roso City	R. L. Polk Co. Publishers	Image pg. A63
	Lodge No	R. L. Polk Co. Publishers	Image pg. A63
	Brotlmerlhood of Locomotive Fire	R. L. Polk Co. Publishers	Image pg. A63
	men & Eieginoennoi Multnosecels	R. L. Polk Co. Publishers	Image pg. A63
	Lodge No	R. L. Polk Co. Publishers	Image pg. A63
	Brotherhood of Railroad Carmen	R. L. Polk Co. Publishers	Image pg. A63
	of Aseiorica Local No	R. L. Polk Co. Publishers	Image pg. A63
	Brotherhood of Railroad Carnien	R. L. Polk Co. Publishers	Image pg. A63
	of Anerica Pae Coast Lodge	R. L. Polk Co. Publishers	Image pg. A63
	Brotherlood I of Railroad Caromen	R. L. Polk Co. Publishers	Image pg. A63
	of America Local No	R. L. Polk Co. Publishers	Image pg. A63
	Brotherhood of Rtallroacl Train	R. L. Polk Co. Publishers	Image pg. A63
	man Semnset Ledge No	R. L. Polk Co. Publishers	Image pg. A63
	Catalina Lodge No 21 Kof P	R. L. Polk Co. Publishers	Image pg. A63
	Clirlsto Foro Colmumcbo Society	R. L. Polk Co. Publishers	Image pg. A63
	Italinn	R. L. Polk Co. Publishers	Image pg. A63
	City of Eosel Lodge No	R. L. Polk Co. Publishers	Image pg. A63
	Italian	R. L. Polk Co. Publishers	Image pg. A63
	First Sp Irltuallt Clmurchl	R. L. Polk Co. Publishers	Image pg. A63
	Fleet Reserve Assmi	R. L. Polk Co. Publishers	Image pg. A63

FINDINGS

Year	Uses	Source	
1960	Fleet Reserve A ns Auxiliary	R. L. Polk Co. Publishers	Image pg. A63
	Association	R. L. Polk Co. Publishers	Image pg. A63
	Happy Tismee Clubl	R. L. Polk Co. Publishers	Image pg. A63
	Iolvlntita Maole Cleortrs	R. L. Polk Co. Publishers	Image pg. A63
	Independent Woodworkers of	R. L. Polk Co. Publishers	Image pg. A63
	Amnorica Local No	R. L. Polk Co. Publishers	Image pg. A63
	International Brotherhlood of Elec	R. L. Polk Co. Publishers	Image pg. A63
	Wirs feeral No	R. L. Polk Co. Publishers	Image pg. A63
	Internatioinal Brotleorllood of	R. L. Polk Co. Publishers	Image pg. A63
	Electriclans Local No	R. L. Polk Co. Publishers	Image pg. A63
	Internatiorlal Lecnogiorcmluncnc	R. L. Polk Co. Publishers	Image pg. A63
	Waroelioeno Unlonm Local	R. L. Polk Co. Publishers	Image pg. A63
	Italian Grove No 2 Sons of Italy	R. L. Polk Co. Publishers	Image pg. A63
	Journal Jitnieors	R. L. Polk Co. Publishers	Image pg. A63
	Lind Jenny Lodgo ilnc No	R. L. Polk Co. Publishers	Image pg. A63
	Maynarrl J B Ledge Railronclers	R. L. Polk Co. Publishers	Image pg. A63
	Union	R. L. Polk Co. Publishers	Image pg. A63
	One Ilendlread Cluls	R. L. Polk Co. Publishers	Image pg. A63
	Patterninakers Association	R. L. Polk Co. Publishers	Image pg. A63
	Plealono Temple No 17 Phytliian	R. L. Polk Co. Publishers	Image pg. A63
	Sisters	R. L. Polk Co. Publishers	Image pg. A63
	Portland Small Craft Clel	R. L. Polk Co. Publishers	Image pg. A63
	Progressive Italian An COucb	R. L. Polk Co. Publishers	Image pg. A63
	Pugllose Lodge Italian	R. L. Polk Co. Publishers	Image pg. A63
	Pulp Sulphitte Workers eoso City	R. L. Polk Co. Publishers	Image pg. A63
	Local No	R. L. Polk Co. Publishers	Image pg. A63
	Ratilwy Clarks Iae Coast Lodge	R. L. Polk Co. Publishers	Image pg. A63
	Real Esimtto Brokors & Suasisnian	R. L. Polk Co. Publishers	Image pg. A63
	Aesocatlon	R. L. Polk Co. Publishers	Image pg. A63
	Reglna Margieorita Circil No	R. L. Polk Co. Publishers	Image pg. A63
	Ancieni Qrltr of Druids	R. L. Polk Co. Publishers	Image pg. A63
	Relcilein Clar Ion E	R. L. Polk Co. Publishers	Image pg. A63
	Eose City Lodgec No 108 Aenxiliary	R. L. Polk Co. Publishers	Image pg. A63
	J P Maynard Lodgo Riailrodudrs	R. L. Polk Co. Publishers	Image pg. A63
	Runoborm Chorus	R. L. Polk Co. Publishers	Image pg. A63
	Runoborg Laodgm Local No	R. L. Polk Co. Publishers	Image pg. A63
	Scout Young Comamp Ne 2 Spmne 1ioir	R. L. Polk Co. Publishers	Image pg. A63
	Ane War Vetorans	R. L. Polk Co. Publishers	Image pg. A63

FINDINGS

Year	Uses	Source	
1960	Scout Youing Caosemp No	R. L. Polk Co. Publishers	Image pg. A63
	Sp Ianish Arm Wrer Veteranlls	R. L. Polk Co. Publishers	Image pg. A63
	Scouit Younrg Camp No	R. L. Polk Co. Publishers	Image pg. A63
	Acxiltary Spanist Am I War	R. L. Polk Co. Publishers	Image pg. A63
	Votoran	R. L. Polk Co. Publishers	Image pg. A63
	Shleet Motel Worler B Local No	R. L. Polk Co. Publishers	Image pg. A63
	Shopl Callliters Uneion Local No	R. L. Polk Co. Publishers	Image pg. A63
	Sons & Doeiglitors of Coloumblem	R. L. Polk Co. Publishers	Image pg. A63
	Sone of Itatly No	R. L. Polk Co. Publishers	Image pg. A63
	Swclm Amerltan Society of Port	R. L. Polk Co. Publishers	Image pg. A63
	Swias Ladles Alds Soierty	R. L. Polk Co. Publishers	Image pg. A63
	Switelemrens Umilon Local No	R. L. Polk Co. Publishers	Image pg. A63
	Torminlnal Mtco Local No	R. L. Polk Co. Publishers	Image pg. A63
	Tile Setters IHolpors Local	R. L. Polk Co. Publishers	Image pg. A63
	United Stool Workors o Amer	R. L. Polk Co. Publishers	Image pg. A63
	C 03 No	R. L. Polk Co. Publishers	Image pg. A63
	Veteranis World War One nar	R. L. Polk Co. Publishers	Image pg. A63
	mrc Ice No 53 andl auxiliary	R. L. Polk Co. Publishers	Image pg. A63
	Veterans of Fcoreigm Wars De Pt	R. L. Polk Co. Publishers	Image pg. A63
	Ore 4 BEi	R. L. Polk Co. Publishers	Image pg. A63
	Wauhelens Council No 29 Inn	R. L. Polk Co. Publishers	Image pg. A63
	provod Order of Rodman	R. L. Polk Co. Publishers	Image pg. A63
	Whlaoloale Stlosnoen Aeon Local	R. L. Polk Co. Publishers	Image pg. A63
	A NO FROM	R. L. Polk Co. Publishers	Image pg. A63
	Workme ns Benefit Fund Assn	R. L. Polk Co. Publishers	Image pg. A63
1955	Red Men Hall	R. L. Polk Co. Publishers	Image pg. A75
	Associated Bible Students	R. L. Polk Co. Publishers	Image pg. A75
	Austrian Hungarian Womens Soc	R. L. Polk Co. Publishers	Image pg. A75
	Bersaglieria Columbia Society	R. L. Polk Co. Publishers	Image pg. A75
	Caballeros DeDimas Alang Inc	R. L. Polk Co. Publishers	Image pg. A75
	Feike Lorin A bldg mgr	R. L. Polk Co. Publishers	Image pg. A75
	First Spiritualist Ch	R. L. Polk Co. Publishers	Image pg. A75
	Fleet Reserve Assn	R. L. Polk Co. Publishers	Image pg. A75
	Fleet Reserve Assn Auxiliary	R. L. Polk Co. Publishers	Image pg. A75
	Helviatia Male Chorus	R. L. Polk Co. Publishers	Image pg. A75
	Journal Juniors musical	R. L. Polk Co. Publishers	Image pg. A75
	Progressive Italian Americans Club	R. L. Polk Co. Publishers	Image pg. A75
	Socialist Labor Party	R. L. Polk Co. Publishers	Image pg. A75

FINDINGS

Year	Uses	Source	
1955	Sons & Daughters of Columbus	R. L. Polk Co. Publishers	Image pg. A75
	Swiss Am Soc of Portland	R. L. Polk Co. Publishers	Image pg. A75
	Swiss Ladies Aid Soc	R. L. Polk Co. Publishers	Image pg. A75
	Workmens Benefit Fund Assn	R. L. Polk Co. Publishers	Image pg. A75
1950	ARed Men Hall	R. L. Polk Co. Publisher	Image pg. A85
	Associated Bible Stu	R. L. Polk Co. Publisher	Image pg. A85
	dents	R. L. Polk Co. Publisher	Image pg. A85
	Austrian Hungarian	R. L. Polk Co. Publisher	Image pg. A85
	Mens Soc	R. L. Polk Co. Publisher	Image pg. A85
	Austrian Hungarian Wo	R. L. Polk Co. Publisher	Image pg. A85
	mens Son	R. L. Polk Co. Publisher	Image pg. A85
	BIrmkrs Union Local No 689	R. L. Polk Co. Publisher	Image pg. A85
	Brewery Wkrs Union	R. L. Polk Co. Publisher	Image pg. A85
	Local No	R. L. Polk Co. Publisher	Image pg. A85
	Brooklyn Lodge No	R. L. Polk Co. Publisher	Image pg. A85
	Brotherhood of Ry	R. L. Polk Co. Publisher	Image pg. A85
	Carmen	R. L. Polk Co. Publisher	Image pg. A85
	Caballeros De Dimas	R. L. Polk Co. Publisher	Image pg. A85
	Alang	R. L. Polk Co. Publisher	Image pg. A85
	Calanthe Lodge No 21 K	R. L. Polk Co. Publisher	Image pg. A85
	Columbia Div No	R. L. Polk Co. Publisher	Image pg. A85
	Order of Ry Conds	R. L. Polk Co. Publisher	Image pg. A85
	Firemen & Oilers Union	R. L. Polk Co. Publisher	Image pg. A85
	Local No	R. L. Polk Co. Publisher	Image pg. A85
	First Spiritualist Ch	R. L. Polk Co. Publisher	Image pg. A85
	Fleet Reserve Assn	R. L. Polk Co. Publisher	Image pg. A85
	Fleet Reserve Assn Aux	R. L. Polk Co. Publisher	Image pg. A85
	iliary	R. L. Polk Co. Publisher	Image pg. A85
	Helvetia Male Chorus	R. L. Polk Co. Publisher	Image pg. A85
	Logan Futuramic Club	R. L. Polk Co. Publisher	Image pg. A85
	Maynard J W Lodge No 193	R. L. Polk Co. Publisher	Image pg. A85
	Brotherhood of	R. L. Polk Co. Publisher	Image pg. A85
	Locomotive Firemn	R. L. Polk Co. Publisher	Image pg. A85
	Engmn	R. L. Polk Co. Publisher	Image pg. A85
	Multnomah Lodge No	R. L. Polk Co. Publisher	Image pg. A85
	Brotherhood of Loco	R. L. Polk Co. Publisher	Image pg. A85
	motive Firemen	R. L. Polk Co. Publisher	Image pg. A85
	Enginemen	R. L. Polk Co. Publisher	Image pg. A85

FINDINGS

Year	Uses	Source	
1950	Musicians Post No	R. L. Polk Co. Publisher	Image pg. A85
	Am Legion	R. L. Polk Co. Publisher	Image pg. A85
	Musicians Unit No	R. L. Polk Co. Publisher	Image pg. A85
	Am Legion Auxiliary	R. L. Polk Co. Publisher	Image pg. A85
	North Italian Circle No	R. L. Polk Co. Publisher	Image pg. A85
	Nobel Lodge	R. L. Polk Co. Publisher	Image pg. A85
	Ore State Emps Assn	R. L. Polk Co. Publisher	Image pg. A85
	Chapter No	R. L. Polk Co. Publisher	Image pg. A85
	Pac Coast Lodge No	R. L. Polk Co. Publisher	Image pg. A85
	Brotherhood of Ry Clks	R. L. Polk Co. Publisher	Image pg. A85
	Ptrnmkrs Assn of Port	R. L. Polk Co. Publisher	Image pg. A85
	Phalena Temple No	R. L. Polk Co. Publisher	Image pg. A85
	Pythian Sisters	R. L. Polk Co. Publisher	Image pg. A85
	Progressive Italian Am	R. L. Polk Co. Publisher	Image pg. A85
	Pugliese Lodge	R. L. Polk Co. Publisher	Image pg. A85
	Rose City Local No	R. L. Polk Co. Publisher	Image pg. A85
	Pulp & Sulphite Wkrs	R. L. Polk Co. Publisher	Image pg. A85
	Rose City Lodge No	R. L. Polk Co. Publisher	Image pg. A85
	Brotherhood of Loco	R. L. Polk Co. Publisher	Image pg. A85
	motive Firemn & Eng	R. L. Polk Co. Publisher	Image pg. A85
	mn Auxiliary	R. L. Polk Co. Publisher	Image pg. A85
	Runeberg Lodge	R. L. Polk Co. Publisher	Image pg. A85
	Sht Mtl Assortment Wkrs	R. L. Polk Co. Publisher	Image pg. A85
	Union Local No	R. L. Polk Co. Publisher	Image pg. A85
	Ship Caulkers Union	R. L. Polk Co. Publisher	Image pg. A85
	Local No	R. L. Polk Co. Publisher	Image pg. A85
	Socialist Labor Party	R. L. Polk Co. Publisher	Image pg. A85
	Sons & Daughters of	R. L. Polk Co. Publisher	Image pg. A85
	Columbus	R. L. Polk Co. Publisher	Image pg. A85
	Sunset Lodge No	R. L. Polk Co. Publisher	Image pg. A85
	Brotherhood of Ry	R. L. Polk Co. Publisher	Image pg. A85
	Trainmn	R. L. Polk Co. Publisher	Image pg. A85
	Swiss Am Soc of Port	R. L. Polk Co. Publisher	Image pg. A85
	Swiss Ladies Aid Soc	R. L. Polk Co. Publisher	Image pg. A85
	Tell Wm Lodge No	R. L. Polk Co. Publisher	Image pg. A85
	Sons of Herman	R. L. Polk Co. Publisher	Image pg. A85
	Thusnelda Sister Lodge	R. L. Polk Co. Publisher	Image pg. A85
	No 1 Sons of Herman	R. L. Polk Co. Publisher	Image pg. A85

FINDINGS

Year	Uses	Source	
1950	Wahkeena Council No	R. L. Polk Co. Publisher	Image pg. A85
	Degree of Pocahontas	R. L. Polk Co. Publisher	Image pg. A85
	AWebfoot Lodge No	R. L. Polk Co. Publisher	Image pg. A85
	Brotherhood of Ry	R. L. Polk Co. Publisher	Image pg. A85
	Carmen of Am	R. L. Polk Co. Publisher	Image pg. A85
	Whol Slamns Assn Local	R. L. Polk Co. Publisher	Image pg. A85
	Willamette Tribe No	R. L. Polk Co. Publisher	Image pg. A85
	Workmens Sick & Death	R. L. Polk Co. Publisher	Image pg. A85
	Benefit Fund Assn	R. L. Polk Co. Publisher	Image pg. A85
	World War Post No	R. L. Polk Co. Publisher	Image pg. A85
	World War Unit No	R. L. Polk Co. Publisher	Image pg. A85
	VFW Auxiliary	R. L. Polk Co. Publisher	Image pg. A85
	Street continued	R. L. Polk Co. Publisher	Image pg. A85
1940	Red Men Hall	R.L. Polk Co., Inc.	Image pg. A98
	Jehovahs Witnesses	R.L. Polk Co., Inc.	Image pg. A98
1935	Red Men Hall	R.L. Polk Co., Inc.	Image pg. A110
	Improved Order of Red Men	R.L. Polk Co., Inc.	Image pg. A110
	Willamette Tribe No	R.L. Polk Co., Inc.	Image pg. A110
	Wahkeena Council No	R.L. Polk Co., Inc.	Image pg. A110
	Clan Macleay No	R.L. Polk Co., Inc.	Image pg. A110
	North Italia Grove No	R.L. Polk Co., Inc.	Image pg. A110
	American Order Sons of St	R.L. Polk Co., Inc.	Image pg. A110
	George Portland Lodge	R.L. Polk Co., Inc.	Image pg. A110
	Loyal Orange Ladies Asso	R.L. Polk Co., Inc.	Image pg. A110
	ciation Rose of Sharon	R.L. Polk Co., Inc.	Image pg. A110
	Lodge No	R.L. Polk Co., Inc.	Image pg. A110
	Past Sachems Assn	R.L. Polk Co., Inc.	Image pg. A110
	Oneonta Tribe No	R.L. Polk Co., Inc.	Image pg. A110
	Liberty Bell Circle No	R.L. Polk Co., Inc.	Image pg. A110
	Daughters of Scotia White	R.L. Polk Co., Inc.	Image pg. A110
	Heather Lodge No	R.L. Polk Co., Inc.	Image pg. A110
	Canadian Legion	R.L. Polk Co., Inc.	Image pg. A110
	Canadian Legion Auxiliary	R.L. Polk Co., Inc.	Image pg. A110

1513 9TH AVE SE

Year	Uses	Source	
1950	National Linen Sup	R. L. Polk Co. Publisher	Image pg. A85
1940	Coles Linen Supply Co	R.L. Polk Co., Inc.	Image pg. A98
	Zoric Cleaners	R.L. Polk Co., Inc.	Image pg. A98

FINDINGS

Year	Uses	Source	
1940	National Laundry and	R.L. Polk Co., Inc.	Image pg. A98
1935	Nu Way National Laundry	R.L. Polk Co., Inc.	Image pg. A110

1522 9TH AVE SE

Year	Uses	Source	
1940	Coles Linen Supply Co	R.L. Polk Co., Inc.	Image pg. A98
	Weiss Anna Mrs e	R.L. Polk Co., Inc.	Image pg. A98
1935	Weiss Anna Mrs	R.L. Polk Co., Inc.	Image pg. A110

1530 9TH AVE SE

Year	Uses	Source	
1960	A BE FROM 2 S	R. L. Polk Co. Publishers	Image pg. A63
	Indusltrial Parto Ili tracter pcrts	R. L. Polk Co. Publishers	Image pg. A63

HAWTHORNE BLVD SE

800 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	PORTLAND MOVING & STORAGE CO MOVING VANS	R.L.Polk Co.	Image pg. A55
1960	Portland Moving & Storage Co	R. L. Polk Co. Publishers	Image pg. A69
1955	Chvatal Rudolph P	R. L. Polk Co. Publishers	Image pg. A80
	McHugo Transfer Co Inc	R. L. Polk Co. Publishers	Image pg. A80
	Portland Moving & Storage Co	R. L. Polk Co. Publishers	Image pg. A80
1950	Yelloway Storage Co	R. L. Polk Co. Publisher	Image pg. A90
	a Western Movie Sup Co	R. L. Polk Co. Publisher	Image pg. A90
	contrs sups	R. L. Polk Co. Publisher	Image pg. A90
	AGale Distr Co plastic tile	R. L. Polk Co. Publisher	Image pg. A90
	amokers articles	R. L. Polk Co. Publisher	Image pg. A90
	ACordson C H Distributor	R. L. Polk Co. Publisher	Image pg. A90
	bldg specialists	R. L. Polk Co. Publisher	Image pg. A90
	ABurtch B W Co of Ore	R. L. Polk Co. Publisher	Image pg. A90
	AUnistrut Northwest Serv	R. L. Polk Co. Publisher	Image pg. A90
1940	American Key The	R.L. Polk Co., Inc.	Image pg. A100
	Key Publishing Co Inc The	R.L. Polk Co., Inc.	Image pg. A100
	Inc gro and meats	R.L. Polk Co., Inc.	Image pg. A100
	Portland Mercantile Co	R.L. Polk Co., Inc.	Image pg. A100
1935	Bean John Mfg Co machy	R.L. Polk Co., Inc.	Image pg. A111
	Beaver Mfg Co oil burners	R.L. Polk Co., Inc.	Image pg. A111

FINDINGS

801 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	GRANNING & TREECE LOANS INC	R.L.Polk Co.	Image pg. A55
	GRANNING 0 TREECE ACCEPTANCE CORP AUTO LOANS	R.L.Polk Co.	Image pg. A55
1960	Ellison Wmn B & Co ins	R. L. Polk Co. Publishers	Image pg. A69
	Granning & Greece Loans Inc	R. L. Polk Co. Publishers	Image pg. A69
	Corp auto loans	R. L. Polk Co. Publishers	Image pg. A69
	Granning & Treece Acceptance	R. L. Polk Co. Publishers	Image pg. A69
	Granning & Treece Finance	R. L. Polk Co. Publishers	Image pg. A69
1955	Granning & Treece Finance Co auto loans	R. L. Polk Co. Publishers	Image pg. A80
1950	AGranning & Treece Fi	R. L. Polk Co. Publisher	Image pg. A90
	nance Co loans	R. L. Polk Co. Publisher	Image pg. A90
1940	loans	R.L. Polk Co., Inc.	Image pg. A100
	Granning & Treece auto	R.L. Polk Co., Inc.	Image pg. A100
1935	loans	R.L. Polk Co., Inc.	Image pg. A111
	Granning & Treece auto	R.L. Polk Co., Inc.	Image pg. A111

803 HAWTHORNE BLVD SE

Year	Uses	Source	
1955	Granning & Treece Acceptance Corp loans	R. L. Polk Co. Publishers	Image pg. A80

805 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	AMERICAN FEDERAL INSURANCE AGENCY INC INS AGTS	R.L.Polk Co.	Image pg. A55
	AMERICAN FEDERAL LEASE CORP TOOL RENTAL	R.L.Polk Co.	Image pg. A55
	GRANNING & TREECE FPNANCE GROUP LOANS	R.L.Polk Co.	Image pg. A55
	GRANNING & TREECE INVESTMENT CORP MTGE LOANS	R.L.Polk Co.	Image pg. A55
1955	Granning & Treece Loans Inc	R. L. Polk Co. Publishers	Image pg. A80
	Ellison Wm E & Co genl ins	R. L. Polk Co. Publishers	Image pg. A80
1950	AWestern Collateral Co	R. L. Polk Co. Publisher	Image pg. A90
	loans	R. L. Polk Co. Publisher	Image pg. A90

808 HAWTHORNE BLVD SE

Year	Uses	Source	
1955	Moos Printing Co	R. L. Polk Co. Publishers	Image pg. A80

FINDINGS

812 HAWTHORNE BLVD SE

Year	Uses	Source	
1960	Vacant	R. L. Polk Co. Publishers	Image pg. A69
1955	Vacant	R. L. Polk Co. Publishers	Image pg. A80
1950	AWeisfields Inc jwirs	R. L. Polk Co. Publisher	Image pg. A90

816 HAWTHORNE BLVD SE

Year	Uses	Source	
1955	Sanderson Safety Supply	R. L. Polk Co. Publishers	Image pg. A80
1950	ALind J W food broker	R. L. Polk Co. Publisher	Image pg. A90

828 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	CONROY R W CO MFR AGTS	R.L.Polk Co.	Image pg. A55
	CHICAGO RAWHIDE MFG CO MFRS AGT	R.L.Polk Co.	Image pg. A55
	SWANTON HAROLD K INC MFRS AGT	R.L.Polk Co.	Image pg. A55
1955	Natl Lndry Co	R. L. Polk Co. Publishers	Image pg. A80
1950	Natl Lndy Co	R. L. Polk Co. Publisher	Image pg. A90

835 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	INC AUTO ASSESSORIES & PARTS	R.L.Polk Co.	Image pg. A55
	NORTHWEST TRUCKSTELL SALES	R.L.Polk Co.	Image pg. A55
1960	truck equip	R. L. Polk Co. Publishers	Image pg. A69
	Nortlwvest Truckstell Sales Inc	R. L. Polk Co. Publishers	Image pg. A69
1955	Northwest Truckstell Sales Inc truck equip	R. L. Polk Co. Publishers	Image pg. A80
1950	Sales Inc truck equip	R. L. Polk Co. Publisher	Image pg. A90
	ANorthwest Truckstell	R. L. Polk Co. Publisher	Image pg. A90
1940	Northwest Truckstell Sales	R.L. Polk Co., Inc.	Image pg. A100
	Inc boats and auto trailers	R.L. Polk Co., Inc.	Image pg. A100
1935	Vacant	R.L. Polk Co., Inc.	Image pg. A111

898 HAWTHORNE BLVD SE

Year	Uses	Source	
1960	Conroy R W Co mfrs agts	R. L. Polk Co. Publishers	Image pg. A69

900 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	THREE LAMBS TAVERN	R.L.Polk Co.	Image pg. A55
1960	Three Lambs Tavern	R. L. Polk Co. Publishers	Image pg. A69

FINDINGS

Year	Uses	Source	
1955	Three Lambs Tavern	R. L. Polk Co. Publishers	Image pg. A80
1950	AThree Lambs Tavern	R. L. Polk Co. Publisher	Image pg. A90
1940	Red Men Hall Cafe	R.L. Polk Co., Inc.	Image pg. A100
1935	Vacant	R.L. Polk Co., Inc.	Image pg. A111

901 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	KERR W B C CO	R.L.Polk Co.	Image pg. A55
1960	Kerr W B & Co agrl I Ipilts	R. L. Polk Co. Publishers	Image pg. A69
1955	Kerr W B & Co agrl implt dlrs	R. L. Polk Co. Publishers	Image pg. A80
1950	AKerr W B & Co implt	R. L. Polk Co. Publisher	Image pg. A90
1940	plement dirs	R.L. Polk Co., Inc.	Image pg. A100
	Kerr W B & Co Inc im	R.L. Polk Co., Inc.	Image pg. A100
1935	Kerr W B & Co Inc imple	R.L. Polk Co., Inc.	Image pg. A111
	ment dirs	R.L. Polk Co., Inc.	Image pg. A111

908 HAWTHORNE BLVD SE

Year	Uses	Source	
1955	Modern Amusement Repair Serv	R. L. Polk Co. Publishers	Image pg. A80
1950	AModern Amusement	R. L. Polk Co. Publisher	Image pg. A90
	Repr Serv	R. L. Polk Co. Publisher	Image pg. A90
1940	Jehovahs Witnesses	R.L. Polk Co., Inc.	Image pg. A100
1935	Vacant	R.L. Polk Co., Inc.	Image pg. A111

909 HAWTHORNE BLVD SE

Year	Uses	Source	
1960	Kerr W P & Co whse	R. L. Polk Co. Publishers	Image pg. A69
1955	Kerr W B & Co whse	R. L. Polk Co. Publishers	Image pg. A80
1940	Vacant	R.L. Polk Co., Inc.	Image pg. A100
1935	Vacant	R.L. Polk Co., Inc.	Image pg. A111

911 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	HYDRAULIC SPECIALTIES EQUIP E SUPS	R.L.Polk Co.	Image pg. A55
1960	Wicsemens Union Local No	R. L. Polk Co. Publishers	Image pg. A69
	Internatl Longshoremens	R. L. Polk Co. Publishers	Image pg. A69
1955	Conroy R W Co Inc auto parts	R. L. Polk Co. Publishers	Image pg. A80
1950	AProctor Elec SIs vacuum clnrs	R. L. Polk Co. Publisher	Image pg. A90
1935	Sunset Photo Service	R.L. Polk Co., Inc.	Image pg. A111

FINDINGS

912 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	NORTHWEST PRINTING CO	R.L.Polk Co.	Image pg. A55
1960	Northwest Pr Inting Co	R. L. Polk Co. Publishers	Image pg. A69
1955	Modern Amusement Repair Serv	R. L. Polk Co. Publishers	Image pg. A80
1950	ADeluxe Saw & Tool Co	R. L. Polk Co. Publisher	Image pg. A90
1940	specialties	R.L. Polk Co., Inc.	Image pg. A100
	specialties	R.L. Polk Co., Inc.	Image pg. A101
	East Side Tool & Die	R.L. Polk Co., Inc.	Image pg. A100
	Holly Mfg Co hdw	R.L. Polk Co., Inc.	Image pg. A100
1935	Vacant	R.L. Polk Co., Inc.	Image pg. A111

915 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	MC DONALD 1 WETLE INC ROOF I SHEET MTL CONTAS	R.L.Polk Co.	Image pg. A55
1960	Mc Donalnd & Wetle roofers	R. L. Polk Co. Publishers	Image pg. A69
1955	McDonald & Wetle roofer	R. L. Polk Co. Publishers	Image pg. A80
1950	AMc Donald & Wetle	R. L. Polk Co. Publisher	Image pg. A90
	roofers	R. L. Polk Co. Publisher	Image pg. A90
1940	Modern Portrait Studio	R.L. Polk Co., Inc.	Image pg. A101
1935	Vacant	R.L. Polk Co., Inc.	Image pg. A111

916 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	KLINSK 1 GEO A REAL EST	R.L.Polk Co.	Image pg. A55
	JOHNSON S REAL EST	R.L.Polk Co.	Image pg. A55
1960	Johnsons real est	R. L. Polk Co. Publishers	Image pg. A69
1955	Johnsons Realtors	R. L. Polk Co. Publishers	Image pg. A80
1950	AVerlander F M ins	R. L. Polk Co. Publisher	Image pg. A90
	real est	R. L. Polk Co. Publisher	Image pg. A90
	AJohnson A J lawyer	R. L. Polk Co. Publisher	Image pg. A90
1935	East Side Tool & Die Wks	R.L. Polk Co., Inc.	Image pg. A111
	Cabinet Hardware	R.L. Polk Co., Inc.	Image pg. A111
	Specialty Co	R.L. Polk Co., Inc.	Image pg. A111

917 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	VACANT	R.L.Polk Co.	Image pg. A55
1960	rl langle Electric conitrs	R. L. Polk Co. Publishers	Image pg. A69
1955	Wilder J P Co Inc auto parts mfrs	R. L. Polk Co. Publishers	Image pg. A80

FINDINGS

Year	Uses	Source	
1950	parts mfrs	R. L. Polk Co. Publisher	Image pg. A90
	AWilder J P Co Inc auto	R. L. Polk Co. Publisher	Image pg. A90
1940	Sunset Photo Service	R.L. Polk Co., Inc.	Image pg. A101
1935	Vacant	R.L. Polk Co., Inc.	Image pg. A111

923 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	WARNER PIGG & CO PRNTRS	R.L.Polk Co.	Image pg. A55
1960	prctrs	R. L. Polk Co. Publishers	Image pg. A69
	Dempsey Kimsey & Downs	R. L. Polk Co. Publishers	Image pg. A69
1955	Talbott Mfg Co tools	R. L. Polk Co. Publishers	Image pg. A80

927 HAWTHORNE BLVD SE

Year	Uses	Source	
1940	Wetle Geo C auto repr	R.L. Polk Co., Inc.	Image pg. A101
1935	Wetle Geo auto repr	R.L. Polk Co., Inc.	Image pg. A111

930 HAWTHORNE BLVD SE

Year	Uses	Source	
1955	Vacant	R. L. Polk Co. Publishers	Image pg. A80
1950	AS & M Motors	R. L. Polk Co. Publisher	Image pg. A90

935 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	CHAMBERLIN OF PORTLANO INC WEATHER STRIP MFRS	R.L.Polk Co.	Image pg. A55
	HAWTHORNE BLVD SE CONTO	R.L.Polk Co.	Image pg. A56
1960	Sanederson Safety Sup Co	R. L. Polk Co. Publishers	Image pg. A69
1955	McDonald & Co Inc	R. L. Polk Co. Publishers	Image pg. A80
1950	P & S Paint Co dlrs	R. L. Polk Co. Publisher	Image pg. A90
1940	Indian Northwest Sales Co	R.L. Polk Co., Inc.	Image pg. A101
	motorcycles and bicycles	R.L. Polk Co., Inc.	Image pg. A101
1935	Indian Northwest Sales Co	R.L. Polk Co., Inc.	Image pg. A111
	motorcycles & bicycles	R.L. Polk Co., Inc.	Image pg. A111

1001 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	EQUIPMENT CO WHSE	R.L.Polk Co.	Image pg. A54
	MILLERS TRUCK PARTS I	R.L.Polk Co.	Image pg. A54
1960	Co Ivbse	R. L. Polk Co. Publishers	Image pg. A69

FINDINGS

Year	Uses	Source	
1960	Millers Truck Parts & Equip	R. L. Polk Co. Publishers	Image pg. A69
1955	Millers Truck Parts and Equip Co	R. L. Polk Co. Publishers	Image pg. A80
1950	ATruck Wrecking Co	R. L. Polk Co. Publisher	Image pg. A90
1940	Truck Wrecking Co	R.L. Polk Co., Inc.	Image pg. A99

1004 HAWTHORNE BLVD SE

Year	Uses	Source	
1940	Western Golf Course	R.L. Polk Co., Inc.	Image pg. A99
	lawn implts	R.L. Polk Co., Inc.	Image pg. A99
	Supply Co garden and	R.L. Polk Co., Inc.	Image pg. A99
1935	Vacant	R.L. Polk Co., Inc.	Image pg. A111

1006 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	PORTLAND TRANSMISSION PARTS	R.L.Polk Co.	Image pg. A54
1960	waterproofing	R. L. Polk Co. Publishers	Image pg. A69
	Ply on Coatings Inc concrete	R. L. Polk Co. Publishers	Image pg. A69
1955	Western Golf Course Sup Co	R. L. Polk Co. Publishers	Image pg. A80
1950	Sup Co	R. L. Polk Co. Publisher	Image pg. A90
	AWestern Golf Course	R. L. Polk Co. Publisher	Image pg. A90
1935	Vacant	R.L. Polk Co., Inc.	Image pg. A111

1008 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	JIMS JUNGLE TAVERN	R.L.Polk Co.	Image pg. A54
1960	Jims Jungle tavern	R. L. Polk Co. Publishers	Image pg. A69
1955	Eddies Tavern	R. L. Polk Co. Publishers	Image pg. A80
1950	BCEddies Tavern	R. L. Polk Co. Publisher	Image pg. A90
1940	Hawthorne Tavern restr	R.L. Polk Co., Inc.	Image pg. A99
1935	H & M Restaurant	R.L. Polk Co., Inc.	Image pg. A111

1014 HAWTHORNE BLVD SE

Year	Uses	Source	
1940	Counts Orvil	R.L. Polk Co., Inc.	Image pg. A99
1935	Vacant	R.L. Polk Co., Inc.	Image pg. A111

1016 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	PORTLAND TRANSMISSION WAREHOUSE WHOL	R.L.Polk Co.	Image pg. A54

FINDINGS

Year	Uses	Source	
1940	OKeefe Ethel Mrs	R.L. Polk Co., Inc.	Image pg. A99
1935	Keefe Ethel Mrs	R.L. Polk Co., Inc.	Image pg. A111

1021 HAWTHORNE BLVD SE

Year	Uses	Source	
1960	Bradshaw Auto Sev auto	R. L. Polk Co. Publishers	Image pg. A69
1955	Bradshaw Auto Serv auto reprs	R. L. Polk Co. Publishers	Image pg. A80
1950	ABradshaw Auto Serv	R. L. Polk Co. Publisher	Image pg. A90

1022 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	ME 1 FRANK SHOE REPAIR	R.L.Polk Co.	Image pg. A54
	IVANS BARBER SHOP	R.L.Polk Co.	Image pg. A54
1955	Victors Shoe Shop	R. L. Polk Co. Publishers	Image pg. A80
	Macs Barber Shop	R. L. Polk Co. Publishers	Image pg. A80
1950	Andrist Wm barber	R. L. Polk Co. Publisher	Image pg. A90
	Als Shoe Repr	R. L. Polk Co. Publisher	Image pg. A90
1940	Teds Barber Shop	R.L. Polk Co., Inc.	Image pg. A99
	Jacob Fred V restr	R.L. Polk Co., Inc.	Image pg. A99
1935	Neer J Roy barber	R.L. Polk Co., Inc.	Image pg. A111
	Hawthorne Furniture Hosp	R.L. Polk Co., Inc.	Image pg. A111

1024 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	DIENELT GUS L	R.L.Polk Co.	Image pg. A54
1960	Vacant	R. L. Polk Co. Publishers	Image pg. A69
1955	Rosecrantz Lillian P Mrs	R. L. Polk Co. Publishers	Image pg. A80
1940	Smith Frank E	R.L. Polk Co., Inc.	Image pg. A99
1935	Edwards Thos J	R.L. Polk Co., Inc.	Image pg. A111

1025 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	BRADSHAW AUTO SERVICE INC	R.L.Polk Co.	Image pg. A54
1960	Bradshaw Texaco Service	R. L. Polk Co. Publishers	Image pg. A69
1955	Bradhaws Texaco Serv gas sta	R. L. Polk Co. Publishers	Image pg. A80
1950	ABradshaw F E gas sta	R. L. Polk Co. Publisher	Image pg. A90

FINDINGS

1030 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	SUPERIOR PRODUCTS CO LIGHT BULB DISTR	R.L.Polk Co.	Image pg. A54
1960	Lta wliol plastic paint	R. L. Polk Co. Publishers	Image pg. A69
	Pylon Distribluting Co of Ore	R. L. Polk Co. Publishers	Image pg. A69
1955	Business Sales Co	R. L. Polk Co. Publishers	Image pg. A80
1950	Store	R. L. Polk Co. Publisher	Image pg. A90
	AHawthorne Variety	R. L. Polk Co. Publisher	Image pg. A90
1940	Hawthorne Variety Store	R.L. Polk Co., Inc.	Image pg. A99
	Smith Frank E shoe repr	R.L. Polk Co., Inc.	Image pg. A99
1935	Smith Frank E shoe repr	R.L. Polk Co., Inc.	Image pg. A111

1040 HAWTHORNE BLVD SE

Year	Uses	Source	
1965	BEST BUY SHOPPING CENTER GRO	R.L.Polk Co.	Image pg. A54
1960	Best B 3y Shoppiig Center gro	R. L. Polk Co. Publishers	Image pg. A69
1955	Best Buy Shopping Canter gro and meats	R. L. Polk Co. Publishers	Image pg. A80
1950	Center gro	R. L. Polk Co. Publisher	Image pg. A90
	ABest Buy Shopping	R. L. Polk Co. Publisher	Image pg. A90
1940	and meats	R.L. Polk Co., Inc.	Image pg. A99
	Nepoms Food Store gro	R.L. Polk Co., Inc.	Image pg. A99
1935	and meats	R.L. Polk Co., Inc.	Image pg. A111
	Nepoms Food Store gro	R.L. Polk Co., Inc.	Image pg. A111

MADISON

979 MADISON

Year	Uses	Source
1924	Lenox Mary J Mrs	R.L. Polk Co., Inc.

MADISON SE

721 MADISON SE

Year	Uses	Source	
1955	Pac Tel & Teleg Co rec dept	R. L. Polk Co. Publishers	Image pg. A81
1950	dept	R. L. Polk Co. Publisher	Image pg. A91
	APac Tel & Telg Co rec	R. L. Polk Co. Publisher	Image pg. A91

FINDINGS

722 MADISON SE

Year	Uses	Source	
1950	Madison Park Gro	R. L. Polk Co. Publisher	Image pg. A91

809 MADISON SE

Year	Uses	Source	
1940	Vacant	R.L. Polk Co., Inc.	Image pg. A102

817 MADISON SE

Year	Uses	Source	
1940	Acme Welding & Iron Works	R.L. Polk Co., Inc.	Image pg. A102

831 MADISON SE

Year	Uses	Source	
1940	wreckers	R.L. Polk Co., Inc.	Image pg. A102
	Sound Wrecking Co bldg	R.L. Polk Co., Inc.	Image pg. A102

901 MADISON SE

Year	Uses	Source	
1955	Pacific Tool & Dye Co whse	R. L. Polk Co. Publishers	Image pg. A81
1950	Vacant	R. L. Polk Co. Publisher	Image pg. A91
1940	Linn Tractors Northwest	R.L. Polk Co., Inc.	Image pg. A102
	House T M Inc auto dirs	R.L. Polk Co., Inc.	Image pg. A102

923 MADISON SE

Year	Uses	Source	
1955	Fields Chevrolet Co whse	R. L. Polk Co. Publishers	Image pg. A81
1950	whse	R. L. Polk Co. Publisher	Image pg. A91
	Fields A L Chevrolet Co	R. L. Polk Co. Publisher	Image pg. A91
1940	Vacant	R.L. Polk Co., Inc.	Image pg. A102

1001 MADISON SE

Year	Uses	Source	
1950	whse	R. L. Polk Co. Publisher	Image pg. A91
	Truck Wrecking Co	R. L. Polk Co. Publisher	Image pg. A91
1940	Truck Wrecking Co whse	R.L. Polk Co., Inc.	Image pg. A102

1031 MADISON SE

Year	Uses	Source	
1950	Vacant	R. L. Polk Co. Publisher	Image pg. A91
1940	Interstate Wrecking Co	R.L. Polk Co., Inc.	Image pg. A102
	bldg wreckers	R.L. Polk Co., Inc.	Image pg. A102

FINDINGS

1120 MADISON SE

Year	Uses	Source	
1955	Meyer Fred Inc baking plant	R. L. Polk Co. Publishers	Image pg. A81
1950	plant	R. L. Polk Co. Publisher	Image pg. A91
	AMeyer Fred Inc baking	R. L. Polk Co. Publisher	Image pg. A91

MADISON ST SE

710 MADISON ST SE

Year	Uses	Source	
1935	Oregon Parts Co rear entr	R.L. Polk Co., Inc.	Image pg. A112

809 MADISON ST SE

Year	Uses	Source	
1935	pital	R.L. Polk Co., Inc.	Image pg. A112
	Baileys Dog & Cat Hos	R.L. Polk Co., Inc.	Image pg. A112

815 MADISON ST SE

Year	Uses	Source	
1935	Adams Roofing Co	R.L. Polk Co., Inc.	Image pg. A112

817 MADISON ST SE

Year	Uses	Source	
1935	Peacock Albert L blksmith	R.L. Polk Co., Inc.	Image pg. A112

901 MADISON ST SE

Year	Uses	Source	
1935	House T M Inc coml auto	R.L. Polk Co., Inc.	Image pg. A112
	Linn Tractors Northwest	R.L. Polk Co., Inc.	Image pg. A112

923 MADISON ST SE

Year	Uses	Source	
1935	Truck Equipment Co	R.L. Polk Co., Inc.	Image pg. A112

1001 MADISON ST SE

Year	Uses	Source	
1935	Truck Wrecking Co auto	R.L. Polk Co., Inc.	Image pg. A112
	wreckers	R.L. Polk Co., Inc.	Image pg. A112

1031 MADISON ST SE

Year	Uses	Source	
1935	Interstate Wrecking Co	R.L. Polk Co., Inc.	Image pg. A112

Year	Uses	Source	
1935	auto wreckers	R.L. Polk Co., Inc.	Image pg. A112

MAIN SE

705 MAIN SE

Year	Uses	Source	
1955	Vacant	R. L. Polk Co. Publishers	Image pg. A82
1950	ABingham Pump Co mfrs	R. L. Polk Co. Publisher	Image pg. A92
1940	Bingham Pump Co mfrs	R.L. Polk Co., Inc.	Image pg. A103

717 MAIN SE

Year	Uses	Source	
1960	Vacasnt	R. L. Polk Co. Publishers	Image pg. A70
	preosors	R. L. Polk Co. Publishers	Image pg. A70
	Bellow Valvaire Corp air com	R. L. Polk Co. Publishers	Image pg. A70
	Vacant	R. L. Polk Co. Publishers	Image pg. A70
	Vceant	R. L. Polk Co. Publishers	Image pg. A70
	Vacant	R. L. Polk Co. Publishers	Image pg. A70
	Vocant	R. L. Polk Co. Publishers	Image pg. A70
	Vitcant	R. L. Polk Co. Publishers	Image pg. A70
	Exchange Cr	R. L. Polk Co. Publishers	Image pg. A70
	Business Mens Tclephoiie	R. L. Polk Co. Publishers	Image pg. A70
	Rootii	R. L. Polk Co. Publishers	Image pg. A70
	Mass Building	R. L. Polk Co. Publishers	Image pg. A70

835 MAIN SE

Year	Uses	Source	
1960	Vacant I	R. L. Polk Co. Publishers	Image pg. A70
1950	AMobilift Corp lift truck	R. L. Polk Co. Publisher	Image pg. A92
1940	Vaughan Motor Co mach	R.L. Polk Co., Inc.	Image pg. A103
	Page & Page Co auto	R.L. Polk Co., Inc.	Image pg. A103
	trailer mfrs	R.L. Polk Co., Inc.	Image pg. A103

851 MAIN SE

Year	Uses	Source	
1960	Etinann Jolhn K	R. L. Polk Co. Publishers	Image pg. A71

917 MAIN SE

Year	Uses	Source	
1950	Vacant	R. L. Polk Co. Publisher	Image pg. A92

FINDINGS

Year	Uses	Source	
1940	National Welding Co	R.L. Polk Co., Inc.	Image pg. A103

919 MAIN SE

Year	Uses	Source	
1960	Pierce Trailer & Equip Co	R. L. Polk Co. Publishers	Image pg. A72
	parts dept	R. L. Polk Co. Publishers	Image pg. A72
1955	Pierce Trailer & Equip Co parts dept	R. L. Polk Co. Publishers	Image pg. A82

925 MAIN SE

Year	Uses	Source	
1955	Pierce Trailer & Equip Co parts dept	R. L. Polk Co. Publishers	Image pg. A82
1950	Co parts dept	R. L. Polk Co. Publisher	Image pg. A92
	Pierce Trailer & Equip	R. L. Polk Co. Publisher	Image pg. A92

1001 MAIN SE

Year	Uses	Source	
1960	accessories	R. L. Polk Co. Publishers	Image pg. A70
	Frictiloi Products Mfg Co auto	R. L. Polk Co. Publishers	Image pg. A70

1003 MAIN SE

Year	Uses	Source	
1960	Neater Frank A BE	R. L. Polk Co. Publishers	Image pg. A70

1009 MAIN SE

Year	Uses	Source	
1955	Wood Tractor Co storage	R. L. Polk Co. Publishers	Image pg. A82
1950	AServ Bronze & Brass	R. L. Polk Co. Publisher	Image pg. A92
	Wks Inc fndy	R. L. Polk Co. Publisher	Image pg. A92
1940	Service Bronze & Brass	R.L. Polk Co., Inc.	Image pg. A103
	Works Inc	R.L. Polk Co., Inc.	Image pg. A103

1011 MAIN SE

Year	Uses	Source	
1955	Wood Tractor Co storage	R. L. Polk Co. Publishers	Image pg. A82
1940	Wilkes Iron Works Inc	R.L. Polk Co., Inc.	Image pg. A103

1015 MAIN SE

Year	Uses	Source	
1960	ducts	R. L. Polk Co. Publishers	Image pg. A70
	Tualatin Vtilley Egg Corp wliol	R. L. Polk Co. Publishers	Image pg. A70
	Shelter & Co whol dairy pro	R. L. Polk Co. Publishers	Image pg. A70

FINDINGS

1021 MAIN SE

Year	Uses	Source	
1940	Vacant	R.L. Polk Co., Inc.	Image pg. A103

1033 MAIN SE

Year	Uses	Source	
1960	Vacant	R. L. Polk Co. Publishers	Image pg. A70
1955	Wood Tractor Co contrs equip	R. L. Polk Co. Publishers	Image pg. A82
1950	AWood Tractor Co	R. L. Polk Co. Publisher	Image pg. A92

1105 MAIN SE

Year	Uses	Source	
1955	New Haven Carriage & Auto Works Inc	R. L. Polk Co. Publishers	Image pg. A82

1108 MAIN SE

Year	Uses	Source	
1960	Inc tru Ocit Body mfra	R. L. Polk Co. Publishers	Image pg. A70
	New Haven Carriage & Aesto Wkis	R. L. Polk Co. Publishers	Image pg. A70

MAIN ST SE

705 MAIN ST SE

Year	Uses	Source	
1935	Bingham Pump Co mfrs	R.L. Polk Co., Inc.	Image pg. A113

717 MAIN ST SE

Year	Uses	Source	
1965	STREET CONTINUED	R.L.Polk Co.	Image pg. A57
	VACANT	R.L.Polk Co.	Image pg. A57
	VACANT	R.L.Polk Co.	Image pg. A57
	VACANT	R.L.Polk Co.	Image pg. A57
	MASS BUILDING	R.L.Polk Co.	Image pg. A57
	NORTHWEST STATIONERY r PRINTING CO	R.L.Polk Co.	Image pg. A57
	VACANT	R.L.Polk Co.	Image pg. A57
	VACANT	R.L.Polk Co.	Image pg. A57
	VACANT	R.L.Polk Co.	Image pg. A57

835 MAIN ST SE

Year	Uses	Source	
1935	Vaughan Motor Co	R.L. Polk Co., Inc.	Image pg. A113

FINDINGS

919 MAIN ST SE

Year	Uses	Source	
1965	PARTS DEPT	R.L.Polk Co.	Image pg. A57
	PIERCE TRAILER & EOUIPMENT CO	R.L.Polk Co.	Image pg. A57

1001 MAIN ST SE

Year	Uses	Source	
1965	FRICTION PRODUCTS MFG CO MFRS	R.L.Polk Co.	Image pg. A57

1009 MAIN ST SE

Year	Uses	Source	
1935	Service Bronze & Brass	R.L. Polk Co., Inc.	Image pg. A113
	Works Inc	R.L. Polk Co., Inc.	Image pg. A113

1011 MAIN ST SE

Year	Uses	Source	
1935	Wilkes Iron Works Inc	R.L. Polk Co., Inc.	Image pg. A113

1015 MAIN ST SE

Year	Uses	Source	
1965	ORIGINAL PIZZA CRUST OF	R.L.Polk Co.	Image pg. A57
	OREGON PIZZA SUPS WHOL	R.L.Polk Co.	Image pg. A57

1033 MAIN ST SE

Year	Uses	Source	
1965	VACANT	R.L.Polk Co.	Image pg. A57

1105 MAIN ST SE

Year	Uses	Source	
1965	WORKS INC TRUCK BODY MFRS	R.L.Polk Co.	Image pg. A57
	NEW HAVEN CARRIAGE I AUTO	R.L.Polk Co.	Image pg. A57

SALMON SE

900 SALMON SE

Year	Uses	Source	
1960	Pierce Trailer Co parking lot	R. L. Polk Co. Publishers	Image pg. A73
1955	Graziano Vincent J Inc drayman	R. L. Polk Co. Publishers	Image pg. A83
1950	AGraziano V J tiucking	R. L. Polk Co. Publisher	Image pg. A93
1940	Pacific Match Co	R.L. Polk Co., Inc.	Image pg. A104
	Gustafson Truck Service	R.L. Polk Co., Inc.	Image pg. A104
	auto frt	R.L. Polk Co., Inc.	Image pg. A104

FINDINGS

1006 SALMON SE

Year	Uses	Source	
1960	Hamblet Wire Products mfrs	R. L. Polk Co. Publishers	Image pg. A73
1955	Hamblet Wire Products mfrs	R. L. Polk Co. Publishers	Image pg. A83
1950	Vacant	R. L. Polk Co. Publisher	Image pg. A93

1010 SALMON SE

Year	Uses	Source	
1950	AWilliamina Face Brick	R. L. Polk Co. Publisher	Image pg. A93
	Co bldg matls	R. L. Polk Co. Publisher	Image pg. A93

1011 SALMON SE

Year	Uses	Source	
1960	Empire Mtils Co whol	R. L. Polk Co. Publishers	Image pg. A73
	Vacant l	R. L. Polk Co. Publishers	Image pg. A73

1030 SALMON SE

Year	Uses	Source	
1940	Vacant	R.L. Polk Co., Inc.	Image pg. A104

1035 SALMON SE

Year	Uses	Source	
1955	Pein Box Co Oreg Ltd lumber div	R. L. Polk Co. Publishers	Image pg. A83

1100 SALMON SE

Year	Uses	Source	
1955	Fruehauf Trailer & Equip Co whse	R. L. Polk Co. Publishers	Image pg. A83
1950	Vacant	R. L. Polk Co. Publisher	Image pg. A93
1940	Eltner Randolph	R.L. Polk Co., Inc.	Image pg. A104

1101 SALMON SE

Year	Uses	Source	
1960	Grange Mut Ins Co	R. L. Polk Co. Publishers	Image pg. A73
	Rocky Mountain Fire & Casualty	R. L. Polk Co. Publishers	Image pg. A73
1955	Massey Harris Ferguson Inc farm mach	R. L. Polk Co. Publishers	Image pg. A83
	Oregon Grange Whol Inc farm sup	R. L. Polk Co. Publishers	Image pg. A83
1950	AMassey Harrls Co The	R. L. Polk Co. Publisher	Image pg. A93
	farm niachy	R. L. Polk Co. Publisher	Image pg. A93
	AOregon Grange Whol Inc	R. L. Polk Co. Publisher	Image pg. A93
	agri machy dirs	R. L. Polk Co. Publisher	Image pg. A93
1940	Oregon Grange Wholesale	R.L. Polk Co., Inc.	Image pg. A104

Year	Uses	Source	
1940	machy dirs	R.L. Polk Co., Inc.	Image pg. A104

SALMON ST SE

900 SALMON ST SE

Year	Uses	Source	
1935	Jones Jas B hauling contr	R.L. Polk Co., Inc.	Image pg. A114

1006 SALMON ST SE

Year	Uses	Source	
1965	HAMBLET WIRE PRODUCTS MFRS	R.L.Polk Co.	Image pg. A58

1030 SALMON ST SE

Year	Uses	Source	
1935	Gerrard Joe	R.L. Polk Co., Inc.	Image pg. A114

1101 SALMON ST SE

Year	Uses	Source	
1965	JOHNSON ACOUSTICAL 6 SUPPLY CO IHSE	R.L.Polk Co.	Image pg. A58

SE 10TH

1127 SE 10TH

Year	Uses	Source	
1946	Oreg Brass Wks	The Pacific Telephone and Telegraph Company	

1138 SE 10TH

Year	Uses	Source	
1946	Fruehauf Trailer & Equip Co	The Pacific Telephone and Telegraph Company	

SE 10TH AVE

1127 SE 10TH AVE

Year	Uses	Source	
2013	HEXAFOO	Cole Information Services	
	EVREN NORTHWEST INC	Cole Information Services	
2008	2 BRAINS CREATIVE GROUP	Cole Information Services	
	PACIFIC RETIREMENT PLANNING INC	Cole Information Services	
1985	Oregon Brass Works	R. L. Polk and Co. Publishers	Image pg. A1

FINDINGS

Year	Uses	Source	
1981	Oregon Brass Works	R.L. Polk Co. Publishers	Image pg. A11
1975	Oregon Brass Works	R. L. Polk and Co. Publishers	Image pg. A21
1970	OREGON BRASS WORKS	R. L. Polk Co. Publishers	Image pg. A36

1138 SE 10TH AVE

Year	Uses	Source	
2013	CAMFIL FARR CO	Cole Information Services	
2008	AIR FILTER SALES & SERVICE INC	Cole Information Services	
	CAMFIL FARR INC	Cole Information Services	
1985	filter sas & servs	R. L. Polk and Co. Publishers	Image pg. A1
	filter sas & servs	R. L. Polk and Co. Publishers	Image pg. A1
	Air Filter Sales & Service Inc air	R. L. Polk and Co. Publishers	Image pg. A1
1981	SE HAWTHORNE BLVD	R.L. Polk Co. Publishers	Image pg. A11
	Air Filter Sales & Service Inc	R.L. Polk Co. Publishers	Image pg. A11
1975	Bar Tur Food Inc Br whol gro	R. L. Polk and Co. Publishers	Image pg. A21
	Air Filter Sales & Service Inc	R. L. Polk and Co. Publishers	Image pg. A21
1970	AIR FILTER SALES C SERVICE INC	R. L. Polk Co. Publishers	Image pg. A36

1427 SE 10TH AVE

Year	Uses	Source	
1970	SE HAWTHORNE BLVD	R. L. Polk Co. Publishers	Image pg. A36
	STURGILL INSTRUMENT CO SPEEDOMETER REPR	R. L. Polk Co. Publishers	Image pg. A36
	INTERSECTS	R. L. Polk Co. Publishers	Image pg. A36

1513 SE 10TH AVE

Year	Uses	Source	
1985	Tonys Cafe	R. L. Polk and Co. Publishers	Image pg. A1
	REAR No Return	R. L. Polk and Co. Publishers	Image pg. A1
	Cantu Antonio	R. L. Polk and Co. Publishers	Image pg. A1
1981	Annie Skinners restr	R.L. Polk Co. Publishers	Image pg. A11
	Rear Steiner Alonzo A	R.L. Polk Co. Publishers	Image pg. A11
1975	Marges Cafe	R. L. Polk and Co. Publishers	Image pg. A21
	Rear Spets Margt C Mrs	R. L. Polk and Co. Publishers	Image pg. A21
1970	MARGES CAFE REAR SPETS JAMES A	R. L. Polk Co. Publishers	Image pg. A36

1514 SE 10TH AVE

Year	Uses	Source	
1981	Portland Transmission Parts	R.L. Polk Co. Publishers	Image pg. A11
	Stge	R.L. Polk Co. Publishers	Image pg. A11

FINDINGS

1525 SE 10TH AVE

Year	Uses	Source	
2013	WG WRIGHT & ASSOCIATES	Cole Information Services	
2008	WMSI	Cole Information Services	
	W G WRIGHT & ASSOCIATES INC	Cole Information Services	
2003	WG WRIGHT & ASSOC INC	Cole Information Services	
	WG WRIGHT FAMILY LLC	Cole Information Services	
1985	Vacant	R. L. Polk and Co. Publishers	Image pg. A1
1981	Tab Products Co mfrs agte	R.L. Polk Co. Publishers	Image pg. A11
1975	Tab Products Co Of Oregon mfrs	R. L. Polk and Co. Publishers	Image pg. A21
1970	TAP PRODUCTS OF CO OF OREGON BR MFRS AGTS	R. L. Polk Co. Publishers	Image pg. A36

SE 10TH TER

1528 SE 10TH TER

Year	Uses	Source
1946	Thomas Alma r	The Pacific Telephone and Telegraph Company

SE 11

1412 SE 11

Year	Uses	Source
1946	Ice Cream Plant	The Pacific Telephone and Telegraph Company
	Parrish Cleve ice crm	The Pacific Telephone and Telegraph Company

SE 11TH AVE

1206 SE 11TH AVE

Year	Uses	Source	
2008	AMERICAN JEWELERS INSTITUTE	Cole Information Services	
1985	sas & servs	R. L. Polk and Co. Publishers	Image pg. A2
	Oregon Air Tool Inc power tools	R. L. Polk and Co. Publishers	Image pg. A2
	sas & servs	R. L. Polk and Co. Publishers	Image pg. A2
1981	Oregon Air Tool Inc power tools	R.L. Polk Co. Publishers	Image pg. A12
	SE HAWTHORNE BLVD	R.L. Polk Co. Publishers	Image pg. A12
1975	D Dess Leo A	R. L. Polk and Co. Publishers	Image pg. A22
	Oregon Air Tool Inc power tools	R. L. Polk and Co. Publishers	Image pg. A22

FINDINGS

1430 SE 11TH AVE

Year	Uses	Source	
1970	INTERSECTS	R. L. Polk Co. Publishers	Image pg. A37
	SE HAWTHORNE BLVD	R. L. Polk Co. Publishers	Image pg. A37
	MEYER FRED INC CANDY KITCHEN MFRS	R. L. Polk Co. Publishers	Image pg. A37
1965	INTERSECTS	R.L.Polk Co.	Image pg. A59
	SE h AWTHORNE BLVD	R.L.Polk Co.	Image pg. A59
	MEYER FRED INC CANDY KITCHENS MPRS	R.L.Polk Co.	Image pg. A59

SE 11TH WAY

1434 SE 11TH WAY

Year	Uses	Source
1946	Oreg Building Sup Co	The Pacific Telephone and Telegraph Company

SE 7TH AVE

1200 SE 7TH AVE

Year	Uses	Source	
2008	MULLIGAN MATTRESS	Cole Information Services	
1985	Camera Graphics	R. L. Polk and Co. Publishers	Image pg. A3
1981	Salvation Army Family Services	R.L. Polk Co. Publishers	Image pg. A13
1975	Union	R. L. Polk and Co. Publishers	Image pg. A23
	Family Action Federal Credit	R. L. Polk and Co. Publishers	Image pg. A23
1970	AIR CONDITIONING EQUIP	R. L. Polk Co. Publishers	Image pg. A38
	COLYER TRAVEL SERVICE AGENCY	R. L. Polk Co. Publishers	Image pg. A38
1965	TRANE CO THE AIR CONDITIONING EQUIP	R.L.Polk Co.	Image pg. A60

1201 SE 7TH AVE

Year	Uses	Source	
2013	SELLERENGINE SOFTWARE INC	Cole Information Services	
1985	E S K Sales whol florist sup	R. L. Polk and Co. Publishers	Image pg. A3
1981	Zinda Window Co storm window	R.L. Polk Co. Publishers	Image pg. A13

1208 SE 7TH AVE

Year	Uses	Source
2013	WHATS THE NORM	Cole Information Services
2008	PORTLAND MERCHANT SERVICES	Cole Information Services

FINDINGS

Year	Uses	Source	
2003	BIG DEAL CREATIVE MARKETING	Cole Information Services	
	BDC PRINTING SOLUTIONS	Cole Information Services	
1985	No Return	R. L. Polk and Co. Publishers	Image pg. A3
1981	Natureland Homes Inc geil contrs	R.L. Polk Co. Publishers	Image pg. A13
1970	PACIFIC SCIENTIFIC CO TESTINC MACHS	R. L. Polk Co. Publishers	Image pg. A38
1965	WILLAMETTE TARIFF BUREAU INC PUBLICATION	R.L.Polk Co.	Image pg. A60

1210 SE 7TH AVE

Year	Uses	Source	
2013	MAGDOLLS HAIR PARLOUR	Cole Information Services	
2008	HARD KOR SPORTS WEAR	Cole Information Services	
1985	Western Audio Sales Co	R. L. Polk and Co. Publishers	Image pg. A3
1981	Amalgamated Clothing & Textile Workers Union	R.L. Polk Co. Publishers	Image pg. A13
1975	America lab org	R. L. Polk and Co. Publishers	Image pg. A23
	Textile Workers Union Of	R. L. Polk and Co. Publishers	Image pg. A23
1970	VACANT	R. L. Polk Co. Publishers	Image pg. A38
1965	BAR 8 ER COLMAN CO TEMPERATURE CONTROL EGUIP	R.L.Polk Co.	Image pg. A60

1214 SE 7TH AVE

Year	Uses	Source	
2013	STAINED GLASS OVERLAY PORTLAND	Cole Information Services	
2008	PHOENIX FAMILY LLC	Cole Information Services	
1985	Young American Publishing Inc	R. L. Polk and Co. Publishers	Image pg. A3
	news magazine foir kids	R. L. Polk and Co. Publishers	Image pg. A3
1981	Amalgamated Clothing And Textile Workers Union	R.L. Polk Co. Publishers	Image pg. A13
1975	Underwriters Laboratories Inc Br	R. L. Polk and Co. Publishers	Image pg. A23
1970	UNDERWRITERS LABORATORIES INC BR	R. L. Polk Co. Publishers	Image pg. A38
1965	UNDERWRITERS LABORATORIES INC BR	R.L.Polk Co.	Image pg. A60

1218 SE 7TH AVE

Year	Uses	Source	
2013	TIMELESS TATTOO	Cole Information Services	
1985	Monarch Realty Inc comi & indus	R. L. Polk and Co. Publishers	Image pg. A3
1981	Monarch Realty Inc real eat	R.L. Polk Co. Publishers	Image pg. A13
1975	Monarch Realty Inc real est	R. L. Polk and Co. Publishers	Image pg. A23

FINDINGS

Year	Uses	Source	
1970	MONARCH REALTY INC REAL EST	R. L. Polk Co. Publishers	Image pg. A38
1965	PACIFIC SCIENTIFIC CO TESTING MACHS	R.L.Polk Co.	Image pg. A60

1222 SE 7TH AVE

Year	Uses	Source	
2013	PORTLAND MERCHANT SERVICES	Cole Information Services	
2003	SOLID NAIL	Cole Information Services	
1985	Cavco Servie indus video repr	R. L. Polk and Co. Publishers	Image pg. A3
1981	Vacant	R.L. Polk Co. Publishers	Image pg. A13
1975	Kidney Association Of Oregon Inc	R. L. Polk and Co. Publishers	Image pg. A23
1970	KIDNEY ASSOCIATION OF OREGON	R. L. Polk Co. Publishers	Image pg. A38
1965	ALLIED NORTHWEST MACHINE TOOL CORP	R.L.Polk Co.	Image pg. A60

1226 SE 7TH AVE

Year	Uses	Source	
2013	1 & 1 ANYTIME LOCKSMITH	Cole Information Services	
1985	Weber Dale G Co mfr ngt	R. L. Polk and Co. Publishers	Image pg. A3
	W B S Webers Business Service	R. L. Polk and Co. Publishers	Image pg. A3
1981	Weber & Schwab mfr agt	R.L. Polk Co. Publishers	Image pg. A13
1975	Weber Dale G & Co mfr agt	R. L. Polk and Co. Publishers	Image pg. A23
1970	WEBER DALE G S CO MFR AGT	R. L. Polk Co. Publishers	Image pg. A38
1965	OREGON PUBLIC EMPLOYEES	R.L.Polk Co.	Image pg. A60
	COUNCIL NO 12 LAB ORG	R.L.Polk Co.	Image pg. A60

1230 SE 7TH AVE

Year	Uses	Source	
2013	EAT YOUR HEART OUT CATERING	Cole Information Services	
2008	EAT YOUR HEART OUT CATERING CO	Cole Information Services	
2003	EAT YOUR HEART OUT CATERING CO	Cole Information Services	
1985	archt	R. L. Polk and Co. Publishers	Image pg. A3
	Mc Kernan J Cameron naval	R. L. Polk and Co. Publishers	Image pg. A3
1981	Mc Kernan J Cameron naval archt	R.L. Polk Co. Publishers	Image pg. A13
1975	Boots Sidney real estate	R. L. Polk and Co. Publishers	Image pg. A23
	Cramer Robt L acct	R. L. Polk and Co. Publishers	Image pg. A23
1970	GAND INTERNATIONAL OIL PRODUCTS	R. L. Polk Co. Publishers	Image pg. A38
	CRAMER ROBT L ACCT	R. L. Polk Co. Publishers	Image pg. A38
1965	INC HYDRAULIC Ea UIP	R.L.Polk Co.	Image pg. A60
	SPENCER AIRCRAFT INDUSTRIES	R.L.Polk Co.	Image pg. A60

FINDINGS

1234 SE 7TH AVE

Year	Uses	Source	
2013	KOKIYO TERIYAKI 2	Cole Information Services	
2008	KOKIYO TERITALI NO 2	Cole Information Services	
2003	KOKIYO TERIYAKI 2	Cole Information Services	
1985	NW Silk Floral Designs	R. L. Polk and Co. Publishers	Image pg. A3
1981	Bakery Confectionery & Tobacco Workers Local	R.L. Polk Co. Publishers	Image pg. A13
1975	Vacant	R. L. Polk and Co. Publishers	Image pg. A23
1970	CENTRAL FINANCE CORP	R. L. Polk Co. Publishers	Image pg. A38
1965	CENTRAL FINANCE CORP	R.L.Polk Co.	Image pg. A60

1310 SE 7TH AVE

Year	Uses	Source	
2008	NEW SLAVS PUBLISHING	Cole Information Services	
2003	NEW SLAVS PUBLISHING	Cole Information Services	
1985	Graphics Systems West	R. L. Polk and Co. Publishers	Image pg. A3
1981	Mark Five Distrib	R.L. Polk Co. Publishers	Image pg. A13
1975	C & M Brokerage Inc	R. L. Polk and Co. Publishers	Image pg. A23
	transportation	R. L. Polk and Co. Publishers	Image pg. A23
1970	C 0 M BROKERAGE INC TRANS LINES	R. L. Polk Co. Publishers	Image pg. A38
1965	FYR FYTER CO THE FIRE APPARATUS & SUPS	R.L.Polk Co.	Image pg. A60

1316 SE 7TH AVE

Year	Uses	Source	
2013	MMCS CLINIC LLC	Cole Information Services	
2003	WESTERN BUSINESS PROMOTIONS	Cole Information Services	
	WESTERN BUSINESS	Cole Information Services	
1985	Concepts	R. L. Polk and Co. Publishers	Image pg. A3
	Associated Graphics & Software	R. L. Polk and Co. Publishers	Image pg. A3
	importer	R. L. Polk and Co. Publishers	Image pg. A3
	Press International Sales Corp	R. L. Polk and Co. Publishers	Image pg. A3
1981	Vacant	R.L. Polk Co. Publishers	Image pg. A13
1975	engs sups	R. L. Polk and Co. Publishers	Image pg. A23
	Instrument Laboratory Inc The	R. L. Polk and Co. Publishers	Image pg. A23
1970	INSTRUMENT LABORATORY INC THE ENGS SUPS	R. L. Polk Co. Publishers	Image pg. A38
1965	INSTRUMENT LABORATORY INC THE ENGS SUPS	R.L.Polk Co.	Image pg. A60

FINDINGS

1326 SE 7TH AVE

Year	Uses	Source	
1981	Francis Ford Inc Stge	R.L. Polk Co. Publishers	Image pg. A13
1975	Vacant	R. L. Polk and Co. Publishers	Image pg. A23
1970	CAMPERVILLE IDIV OF FRANCIS FORD CAMPER SLS	R. L. Polk Co. Publishers	Image pg. A38
1965	WAREHAM MOTOR CO USED CARS	R.L.Polk Co.	Image pg. A60

1421 SE 7TH AVE

Year	Uses	Source	
1985	Oeco Stock Dept	R. L. Polk and Co. Publishers	Image pg. A3
	Oeco Stock Dept	R. L. Polk and Co. Publishers	Image pg. A3
	Oeco Rec Dept	R. L. Polk and Co. Publishers	Image pg. A3
1981	SE HAWTHORNE BLVD	R.L. Polk Co. Publishers	Image pg. A13
	Oeco Stock Dept	R.L. Polk Co. Publishers	Image pg. A13
	Oeco Rec Dept	R.L. Polk Co. Publishers	Image pg. A13
1975	Oeco Ship Dept	R. L. Polk and Co. Publishers	Image pg. A23
	Oeco Ship Dept	R. L. Polk and Co. Publishers	Image pg. A23
	Oeco Rec Dept	R. L. Polk and Co. Publishers	Image pg. A23

SE 7TH ST

1306 SE 7TH ST

Year	Uses	Source
1946	Crane Roofing Serv	The Pacific Telephone and Telegraph Company
	Willamette Pattern Wks	The Pacific Telephone and Telegraph Company

SE 8

1203 SE 8

Year	Uses	Source
1946	Albina Terminal	The Pacific Telephone and Telegraph Company

1416 SE 8

Year	Uses	Source
1946	West Coast Mfg Co	The Pacific Telephone and Telegraph Company
	Product Engineering Co	The Pacific Telephone and Telegraph Company

FINDINGS

1425 SE 8

Year	Uses	Source	
1946	Acme Welding & Iron Wks	The Pacific Telephone and Telegraph Company	

1521 SE 8

Year	Uses	Source	
1946	Humeland Jack r	The Pacific Telephone and Telegraph Company	

SE 8TH AVE

1208 SE 8TH AVE

Year	Uses	Source	
1985	Carson Oil Cardlock self serv fuel	R. L. Polk and Co. Publishers	Image pg. A4
	Carson Service Center	R. L. Polk and Co. Publishers	Image pg. A4
1975	washing & plshg	R. L. Polk and Co. Publishers	Image pg. A24
	Portland Pressure Wash truck	R. L. Polk and Co. Publishers	Image pg. A24
	Center Inc truck terminal	R. L. Polk and Co. Publishers	Image pg. A24
	Norrs Brothers Truck & Auto	R. L. Polk and Co. Publishers	Image pg. A24
1965	AUTO GAS ST	R.L.Polk Co.	Image pg. A61
	NORRIS RICHFIELD TRUCK	R.L.Polk Co.	Image pg. A61

1215 SE 8TH AVE

Year	Uses	Source	
2013	OREGON RESEARCH INSTITUTEGIRLS ACTI	Cole Information Services	
	POLER	Cole Information Services	
	EPIPHEO END GALLERY	Cole Information Services	
2008	ONE SOURCE WHOLESALE INTERIORS	Cole Information Services	
	EB BRADLEY	Cole Information Services	
	DESERT PACKAGING LLC	Cole Information Services	
2003	SENVOY LLC	Cole Information Services	
1985	Bradley E B Co	R. L. Polk and Co. Publishers	Image pg. A4
1975	Inc whol hdw	R. L. Polk and Co. Publishers	Image pg. A24
	National Builders Hardware Co	R. L. Polk and Co. Publishers	Image pg. A24
1965	OREGON WASHINGTON HARDWARE CO WHOL	R.L.Polk Co.	Image pg. A61

1305 SE 8TH AVE

Year	Uses	Source
2013	SAMS LOCKSMITH	Cole Information Services

FINDINGS

Year	Uses	Source	
2013	PLAN B	Cole Information Services	
2008	ACME FOOD DRINK	Cole Information Services	
2003	WHITE HORSE GRILL & BAR	Cole Information Services	
1985	Kizes Restaurant	R. L. Polk and Co. Publishers	Image pg. A4
1975	Vips Truckadero restr	R. L. Polk and Co. Publishers	Image pg. A24

1311 SE 8TH AVE

Year	Uses	Source	
1965	VACANT	R.L.Polk Co.	Image pg. A61

1313 SE 8TH AVE

Year	Uses	Source
2003	AMORE COSMETICS	Cole Information Services

1320 SE 8TH AVE

Year	Uses	Source
2013	CLASSICO MARMO	Cole Information Services
2008	CLASSICAL MARBLE INC	Cole Information Services
2003	CM MARBLE INC	Cole Information Services
	CLASSICAL MARBLE INC	Cole Information Services

1324 SE 8TH AVE

Year	Uses	Source
2013	ZAKWELL INC DBA CRAVE CATERING	Cole Information Services
2008	ZEN KITCHEN INC	Cole Information Services
2003	FARMBYTES	Cole Information Services

1330 SE 8TH AVE

Year	Uses	Source
2013	PACIFIC PUTTY CO	Cole Information Services
2008	PACIFIC PUTTY CO INC	Cole Information Services
2003	PACIFIC PUTTY CO	Cole Information Services

1339 SE 8TH AVE

Year	Uses	Source	
2013	IPSL LLC	Cole Information Services	
2003	MULTNOMAH PRINTING INC	Cole Information Services	
1985	electronic mfg	R. L. Polk and Co. Publishers	Image pg. A4
	0 E C 0 Corp Power Sup	R. L. Polk and Co. Publishers	Image pg. A4
1975	electronic mfg	R. L. Polk and Co. Publishers	Image pg. A24

FINDINGS

Year	Uses	Source	
1975	0 E C 0 Corp Power Sup	R. L. Polk and Co. Publishers	Image pg. A24
1965	0 B CO IMTCE DEPTI	R.L.Polk Co.	Image pg. A61

1405 SE 8TH AVE

Year	Uses	Source	
2008	LEYFAX CO	Cole Information Services	
2003	LEYFAX CO	Cole Information Services	
1985	Leyfax Company auto serv	R. L. Polk and Co. Publishers	Image pg. A4
1975	Kropp Edward L Co machinery	R. L. Polk and Co. Publishers	Image pg. A24
1965	KROPP EDWARD L CO MACHINERY OLRS	R.L.Polk Co.	Image pg. A61

1415 SE 8TH AVE

Year	Uses	Source	
2013	FUSE	Cole Information Services	
2008	FUSE DESIGN INC	Cole Information Services	
	MOONDANCE GRAPHICS	Cole Information Services	
2003	FUSION DESIGN INC	Cole Information Services	
	FUSE	Cole Information Services	
	FURILLA	Cole Information Services	
1985	book works	R. L. Polk and Co. Publishers	Image pg. A4
	0 E C 0 Corp Plant 6 pub	R. L. Polk and Co. Publishers	Image pg. A4
1975	0 E C 0 Corp Plant	R. L. Polk and Co. Publishers	Image pg. A24
1965	COACH SERVICE CO INC HEARSE RENTAL	R.L.Polk Co.	Image pg. A61

1416 SE 8TH AVE

Year	Uses	Source	
2013	GRAND AVENUE FLORAL LLC	Cole Information Services	
2008	SHARON LARSON	Cole Information Services	
	OMEGA FOODS LTD	Cole Information Services	
	STARFISH STUDIOS	Cole Information Services	
	GRAND AVENUE FLORAL	Cole Information Services	
2003	OMEGA FOODS	Cole Information Services	
1985	0 E C 0 Corp Plant	R. L. Polk and Co. Publishers	Image pg. A4
	electronic equip & sups	R. L. Polk and Co. Publishers	Image pg. A4
	electronic equip & sups	R. L. Polk and Co. Publishers	Image pg. A4
1975	0 E C 0 Corp Plant	R. L. Polk and Co. Publishers	Image pg. A24
	electronic mfg	R. L. Polk and Co. Publishers	Image pg. A24
1965	OSBORNE ELECTRONIC CORP	R.L.Polk Co.	Image pg. A61

FINDINGS

1425 SE 8TH AVE

Year	Uses	Source	
1965	INTERSECTS	R.L.Polk Co.	Image pg. A61
	SE HAWTHORNE BLVD	R.L.Polk Co.	Image pg. A61
	BETTER PRODUCTS CO WHSE	R.L.Polk Co.	Image pg. A61

1510 SE 8TH AVE

Year	Uses	Source	
1965	PORTLAND MOVING 1 STORAGE CO t WHSEI	R.L.Polk Co.	Image pg. A61

1525 SE 8TH AVE

Year	Uses	Source	
1985	Oeco Corp Ship Dept	R. L. Polk and Co. Publishers	Image pg. A4
1975	Nelson Tire Brokers whol	R. L. Polk and Co. Publishers	Image pg. A24

SE 8TH ST

1311 SE 8TH ST

Year	Uses	Source
1946	Enterprise Foundry Co	The Pacific Telephone and Telegraph Company

SE 9

1212 SE 9

Year	Uses	Source
1946	Western States & Alaska Sales Co	The Pacific Telephone and Telegraph Company
	Gregory Louis B acct	The Pacific Telephone and Telegraph Company
	Rays Food Serv	The Pacific Telephone and Telegraph Company

1315 SE 9

Year	Uses	Source
1946	Western Wire & Fence Wks	The Pacific Telephone and Telegraph Company

1325 SE 9

Year	Uses	Source
1946	Shamrock Chip Co	The Pacific Telephone and Telegraph Company
	Nu Vita Foods	The Pacific Telephone and Telegraph Company

FINDINGS

1340 SE 9

Year	Uses	Source
1946	East Side Plating Wks Oreg Ltd	The Pacific Telephone and Telegraph Company
	East Side Tool & Die Wks	The Pacific Telephone and Telegraph Company

SE 9TH AVE

1100 SE 9TH AVE

Year	Uses	Source	
1965	OREGON BRASS WORKS SHOP	R.L.Polk Co.	Image pg. A52
	LABYS	R.L.Polk Co.	Image pg. A52

1212 SE 9TH AVE

Year	Uses	Source	
1965	CO WHSE	R.L.Polk Co.	Image pg. A52
	PIERCE TRAILER t EQUIPMENT	R.L.Polk Co.	Image pg. A52

1240 SE 9TH AVE

Year	Uses	Source	
1985	Truck & Trailer Specialties Inc	R. L. Polk and Co. Publishers	Image pg. A5
1975	Senter Tool Service Inc mfrs	R. L. Polk and Co. Publishers	Image pg. A25
1970	SENTER TOOL SERVICE INC MFRS	R. L. Polk Co. Publishers	Image pg. A34
1965	SENTER TOOL SERVICE INC MFRS	R.L.Polk Co.	Image pg. A52

1305 SE 9TH AVE

Year	Uses	Source	
1970	VIPS TRUCKADERO RESTR	R. L. Polk Co. Publishers	Image pg. A34

1311 SE 9TH AVE

Year	Uses	Source
2013	NEW DEAL DISTILLERY	Cole Information Services
2003	MAIN STREET ARTIST STUDIO	Cole Information Services
	WOLFGANG FORGE	Cole Information Services

1313 SE 9TH AVE

Year	Uses	Source	
1985	Trebly Garry L	R. L. Polk and Co. Publishers	Image pg. A5
1970	CAMERON HILDA M	R. L. Polk Co. Publishers	Image pg. A34
1965	CAMERON HILDA M	R.L.Polk Co.	Image pg. A52

FINDINGS

1315 SE 9TH AVE

Year	Uses	Source	
1985	Vacant	R. L. Polk and Co. Publishers	Image pg. A5
1975	Power Rebuilt Products Co	R. L. Polk and Co. Publishers	Image pg. A25
1970	INTERSECTS	R. L. Polk Co. Publishers	Image pg. A34
	SE HAWTHORNE BLVD	R. L. Polk Co. Publishers	Image pg. A34
	PARAMOUNT SUPPLY CO WHOL INDUSTRIAL SUPS	R. L. Polk Co. Publishers	Image pg. A34
1965	PARAMOUNT SUPPLY CO WHOL INDUSTRIAL SUPS	R.L.Polk Co.	Image pg. A52

1317 SE 9TH AVE

Year	Uses	Source
2013	FAB PDX	Cole Information Services

1325 SE 9TH AVE

Year	Uses	Source	
1985	Unique Plastics Co	R. L. Polk and Co. Publishers	Image pg. A5
1975	Bar Supply Brokerage Inc	R. L. Polk and Co. Publishers	Image pg. A25
1965	NU VITA FOODS	R.L.Polk Co.	Image pg. A52

1340 SE 9TH AVE

Year	Uses	Source	
2008	CUSTOM STAMPING & MFG CO	Cole Information Services	
2003	CUSTOM STAMPING & MFG CO	Cole Information Services	
1985	Custom Stamping & Mfg Co	R. L. Polk and Co. Publishers	Image pg. A5
	East Side Tool & Die Co	R. L. Polk and Co. Publishers	Image pg. A5
	East Side Tool & Die Co	R. L. Polk and Co. Publishers	Image pg. A5
1975	East Side Tool & Die Co	R. L. Polk and Co. Publishers	Image pg. A25
	Custom Stamping & Mfg Co	R. L. Polk and Co. Publishers	Image pg. A25
	East Side Tool & Die Co	R. L. Polk and Co. Publishers	Image pg. A25
1965	CUSTOM STAMPING 1 MFG CO METAL STAMPING	R.L.Polk Co.	Image pg. A52
	EAST SIDE TOOL & DIE CO DIE MKRS	R.L.Polk Co.	Image pg. A52
	SE h AWTHORNE BLVD	R.L.Polk Co.	Image pg. A52
	INTERSECTS	R.L.Polk Co.	Image pg. A52

1417 SE 9TH AVE

Year	Uses	Source
2013	GREEN DROP GARAGE	Cole Information Services

FINDINGS

1478 SE 9TH AVE

Year	Uses	Source	
1985	Oregon Rose Royal Neighbors No	R. L. Polk and Co. Publishers	Image pg. A5
	VFW	R. L. Polk and Co. Publishers	Image pg. A5
	Multnomal County Council V F	R. L. Polk and Co. Publishers	Image pg. A5
1975	Brotherhood Railway Carmen Of	R. L. Polk and Co. Publishers	Image pg. A25
	VFW	R. L. Polk and Co. Publishers	Image pg. A25
	America No	R. L. Polk and Co. Publishers	Image pg. A25
	Duds & Dolls Square Dancing	R. L. Polk and Co. Publishers	Image pg. A25
	School	R. L. Polk and Co. Publishers	Image pg. A25
	Federation Of Veterans Council	R. L. Polk and Co. Publishers	Image pg. A25
	Gambolares Pup Tent No	R. L. Polk and Co. Publishers	Image pg. A25
	Multnomah County Council V F	R. L. Polk and Co. Publishers	Image pg. A25
	Northwest Callers Ann misc org	R. L. Polk and Co. Publishers	Image pg. A25
	Omaha Wooden Beaver Grove No	R. L. Polk and Co. Publishers	Image pg. A25
	VFW	R. L. Polk and Co. Publishers	Image pg. A25
	Oregon Rose Royal Neighbors No	R. L. Polk and Co. Publishers	Image pg. A25
	1881 meets	R. L. Polk and Co. Publishers	Image pg. A25
	Police Auxiliary Post	R. L. Polk and Co. Publishers	Image pg. A25
	Police Post	R. L. Polk and Co. Publishers	Image pg. A25
	Portland Organic Gardening Club	R. L. Polk and Co. Publishers	Image pg. A25
	Portland Pup Tent Post M 0 C	R. L. Polk and Co. Publishers	Image pg. A25
	Post No 907 Auxiliary VFW	R. L. Polk and Co. Publishers	Image pg. A25
	Post No 907 VFW	R. L. Polk and Co. Publishers	Image pg. A25
	United Transportation Union No	R. L. Polk and Co. Publishers	Image pg. A25
	World War Post Memorial	R. L. Polk and Co. Publishers	Image pg. A25

1505 SE 9TH AVE

Year	Uses	Source	
1975	Conroy R W Co Shipping Dept	R. L. Polk and Co. Publishers	Image pg. A25
1970	CONROY R W CO SHIPPING DEPT	R. L. Polk Co. Publishers	Image pg. A34

1510 SE 9TH AVE

Year	Uses	Source	
2013	LOCKOUT SERVICE	Cole Information Services	
	HELIUM COMEDY CLUB	Cole Information Services	
1985	Center	R. L. Polk and Co. Publishers	Image pg. A5
	Union Gospel Mission Salvage	R. L. Polk and Co. Publishers	Image pg. A5
	Pick Up Dept	R. L. Polk and Co. Publishers	Image pg. A5
	Union Gospel Mission Youth	R. L. Polk and Co. Publishers	Image pg. A5

FINDINGS

Year	Uses	Source	
1975	Union Gospel Mission	R. L. Polk and Co. Publishers	Image pg. A25
	Youth Center Union Gospel	R. L. Polk and Co. Publishers	Image pg. A25
	Mission	R. L. Polk and Co. Publishers	Image pg. A25
1970	STREET CONTINUED	R. L. Polk Co. Publishers	Image pg. A34
	BEAVER BUILDING	R. L. Polk Co. Publishers	Image pg. A34
1965	BEAVER BUILDING	R.L.Polk Co.	Image pg. A52
	ASSOCIATED BIBLE STUDENTS	R.L.Polk Co.	Image pg. A52
	BROTHERHOOD OF LOCOMOTIVE	R.L.Polk Co.	Image pg. A52
	FIREMN & ENGINEMN NO	R.L.Polk Co.	Image pg. A52
	LADIES AUX	R.L.Polk Co.	Image pg. A52
	BROTHERHOOD d F LOCOMOTIVE	R.L.Polk Co.	Image pg. A52
	FIREMN I ENGINEMN NO	R.L.Polk Co.	Image pg. A52
	BROTHERHOOD OF RAILROAD	R.L.Polk Co.	Image pg. A52
	CARMEN OF AMERICA NO	R.L.Polk Co.	Image pg. A52
	BROTHERHOOD OF CARMEN OF	R.L.Polk Co.	Image pg. A52
	AMERICA NO	R.L.Polk Co.	Image pg. A52
	BROTHERHOOD OF RAILROAD	R.L.Polk Co.	Image pg. A52
	CARMEN OF AMERICA NO	R.L.Polk Co.	Image pg. A52
	CITY OF ROSES LODGE NO	R.L.Polk Co.	Image pg. A52
	ITALIAN	R.L.Polk Co.	Image pg. A52
	FIRST SPIRITUALIST CHURCH	R.L.Polk Co.	Image pg. A52
	FLEET RESERVE ASSN	R.L.Polk Co.	Image pg. A52
	FLEET RESERVE ASSN AUXILIARY	R.L.Polk Co.	Image pg. A52
	GARDENERS RANCHERS ASSN	R.L.Polk Co.	Image pg. A52
	GROVE NO 4 ANCIENT ORDER OF	R.L.Polk Co.	Image pg. A52
	DRUIDS	R.L.Polk Co.	Image pg. A52
	HAPPY TIME CLUB	R.L.Polk Co.	Image pg. A52
	HELVIATIA MALE CHORUS	R.L.Polk Co.	Image pg. A52
	INTERNATIONAL BROTHERHOOD OF	R.L.Polk Co.	Image pg. A52
	ELECTRICIANS NO	R.L.Polk Co.	Image pg. A52
	LIND JENNY LODGE INC NO	R.L.Polk Co.	Image pg. A52
	NATURAL FOOD ASSN	R.L.Polk Co.	Image pg. A52
	CNE HUNDRED CLUB	R.L.Polk Co.	Image pg. A52
	PATTERNMAKERS ASSN	R.L.Polk Co.	Image pg. A52
	PECO EMPLOYEES ASSOCIATION	R.L.Polk Co.	Image pg. A52
	PHALENA TEMPLE NO	R.L.Polk Co.	Image pg. A52
	PHYTHIAN SISTERS	R.L.Polk Co.	Image pg. A52
	PROGRESSIVE ITALIAN AMERICAN	R.L.Polk Co.	Image pg. A52

FINDINGS

Year	Uses	Source	
1965	PULP & SULPHITE WORKERS ROSE	R.L.Polk Co.	Image pg. A52
	CITY LOCAL NO	R.L.Polk Co.	Image pg. A52
	RAILWAY CLERKS PACIFIC COAST	R.L.Polk Co.	Image pg. A52
	LODGE NO	R.L.Polk Co.	Image pg. A52
	REGINA MARGHERITA CIR NO I	R.L.Polk Co.	Image pg. A52
	ANCIENT ORDER DRUIDS	R.L.Polk Co.	Image pg. A52
	ROSE CITY LODGE 308 AUX J P	R.L.Polk Co.	Image pg. A52
	SWISS LADIES AID SOCIETY	R.L.Polk Co.	Image pg. A52
	SWISS RIFLE CLUB	R.L.Polk Co.	Image pg. A52
	SWITCHMENS UNION LOCAL NO	R.L.Polk Co.	Image pg. A52
	TERMINAL MAINTENANCE LOCAL	R.L.Polk Co.	Image pg. A52
	UNITED STEEL WORKERS OF	R.L.Polk Co.	Image pg. A52
	AMERICA NO	R.L.Polk Co.	Image pg. A52
	VETERANS OF FOREIGN WARS	R.L.Polk Co.	Image pg. A52
	DEPARTMENT OF OREGON	R.L.Polk Co.	Image pg. A52
	VETERAN S OF WORLD WAR	R.L.Polk Co.	Image pg. A52
	BARRACKS NO	R.L.Polk Co.	Image pg. A52
	VETERANS WORLD WAR ONE	R.L.Polk Co.	Image pg. A52
	BARRACKS NO 53 AUXILIARY	R.L.Polk Co.	Image pg. A52
	STREET CONTINUED	R.L.Polk Co.	Image pg. A52
	MAYNARD LODGE RR UNION	R.L.Polk Co.	Image pg. A52
	LADIES AUX	R.L.Polk Co.	Image pg. A52
	INTERNATIONAL FOLK DANCERS	R.L.Polk Co.	Image pg. A52
	RUNEBERG LODGE LOCAL NO	R.L.Polk Co.	Image pg. A52
	SCOUT YOUNG CAMP NO	R.L.Polk Co.	Image pg. A52
	AUXILIARY	R.L.Polk Co.	Image pg. A52
	SCOUT YOUNG CAMP NO	R.L.Polk Co.	Image pg. A52
	SPANISH AM WAR VETERANS	R.L.Polk Co.	Image pg. A52
	SHEET METAL WORKERS LOCAL NO	R.L.Polk Co.	Image pg. A52
	SONS & DAUGHTERS OF COLUMBUS	R.L.Polk Co.	Image pg. A52
	SONS OF ITALY NO	R.L.Polk Co.	Image pg. A52
	SWISS AMERICAN SOCIETY OF	R.L.Polk Co.	Image pg. A52
	PORTLAND	R.L.Polk Co.	Image pg. A52

FINDINGS

SE HAWTHORNE BLVD

800 SE HAWTHORNE BLVD

Year	Uses	Source	
2013	EASTBANK CONTRACTOR APPLIANCES	Cole Information Services	
	MODERN LOOK	Cole Information Services	
2008	ANTIQUE FURNITURE WAREHOUSE	Cole Information Services	
2003	SILVER PLUME IMPORTS	Cole Information Services	
1985	Oeco Corp Add Sp	R. L. Polk and Co. Publishers	Image pg. A6
1981	Vacant	R.L. Polk Co. Publishers	Image pg. A16
1975	devices	R. L. Polk and Co. Publishers	Image pg. A27
	Sanderson Safety Supply Co safety	R. L. Polk and Co. Publishers	Image pg. A27
1970	SANDERSON SAFETY SUPPLY CO SAFETY DEVICES	R. L. Polk Co. Publishers	Image pg. A39
1946	Yelloway Van Lines Inc	The Pacific Telephone and Telegraph Company	
	Koeber Ivan Yelloway Van Lines Inc	The Pacific Telephone and Telegraph Company	
	Olsen O F Yelloway Van Lines Inc	The Pacific Telephone and Telegraph Company	
	Warehse	The Pacific Telephone and Telegraph Company	
	Yelloway Storage Co	The Pacific Telephone and Telegraph Company	

801 SE HAWTHORNE BLVD

Year	Uses	Source	
2013	COLUMBIA PRINTING & GRAPHICS INC	Cole Information Services	
	CONTRACT FLOORING & INTERIORS	Cole Information Services	
2008	CONTRACT FLOORING & INTERIORS	Cole Information Services	
2003	COLUMBIA PRINTING & GRAPHICS	Cole Information Services	
1985	Oeco	R. L. Polk and Co. Publishers	Image pg. A6
1981	Tymshare Inc Ofc Space	R.L. Polk Co. Publishers	Image pg. A16
	Tymahare Inc	R.L. Polk Co. Publishers	Image pg. A16
1975	Grantree Corp	R. L. Polk and Co. Publishers	Image pg. A27
1970	GRANNING F TREECE LOANS INC	R. L. Polk Co. Publishers	Image pg. A39
	GRANNING F TREECE ACCEPTANCF CORP AUTO LOANS	R. L. Polk Co. Publishers	Image pg. A39
1946	Granning & Treece financng	The Pacific Telephone and Telegraph Company	

FINDINGS

803 SE HAWTHORNE BLVD

Year	Uses	Source	
1970	B LA ROGUE PAUL B	R. L. Polk Co. Publishers	Image pg. A40

805 SE HAWTHORNE BLVD

Year	Uses	Source	
1975	Oregon Recovery Co collrs	R. L. Polk and Co. Publishers	Image pg. A27
1970	AMERICAN FEDERAL INSURANCE AGENCY INC INS AGTS	R. L. Polk Co. Publishers	Image pg. A41
	AMERICAN FEDERAL LEASE CORP GENL LEASING	R. L. Polk Co. Publishers	Image pg. A41
	GRANNING 6 TREECE FINANCIAL	R. L. Polk Co. Publishers	Image pg. A41
	CORP CONSUMER B INDUSTRIAL LOANS	R. L. Polk Co. Publishers	Image pg. A41
1946	Western Collateral Co	The Pacific Telephone and Telegraph Company	

825 SE HAWTHORNE BLVD

Year	Uses	Source
2013	PITTMON MAP CO	Cole Information Services
2008	PITTMON MAP CO	Cole Information Services
2003	MICHIKO ACOCK	Cole Information Services

828 SE HAWTHORNE BLVD

Year	Uses	Source	
1985	Oeco Corp Stge	R. L. Polk and Co. Publishers	Image pg. A6
1981	Stge	R.L. Polk Co. Publishers	Image pg. A16
1975	Conroy R W Co auto parts	R. L. Polk and Co. Publishers	Image pg. A27
	Chicago Rawhide Mfg Co mfrs agt	R. L. Polk and Co. Publishers	Image pg. A27
1970	SWANTON HAROLD R INC MFRS AGT	R. L. Polk Co. Publishers	Image pg. A41
	CONROY R W CO MFR AGTS	R. L. Polk Co. Publishers	Image pg. A41
	CHICAGO RAWHIDE MFG CO MFRS AGT	R. L. Polk Co. Publishers	Image pg. A41
1946	Nu Way Natl Laundry Co	The Pacific Telephone and Telegraph Company	
	New Way Natl Laundry Co	The Pacific Telephone and Telegraph Company	
	National Laundry Co	The Pacific Telephone and Telegraph Company	
	Crescent Laundry & Clnrs	The Pacific Telephone and Telegraph Company	

FINDINGS

835 SE HAWTHORNE BLVD

Year	Uses	Source	
2013	COLUMBIA PRINTING & GRAPHICS INC	Cole Information Services	
2008	COLUMBIA PRINTING & GRAPHICS	Cole Information Services	
1985	Oeco Corp Purch Dept	R. L. Polk and Co. Publishers	Image pg. A6
1981	Whited Truck Body Inc truck parts installer	R.L. Polk Co. Publishers	Image pg. A16
	Northwest Truckatell Sales Inc truck equip	R.L. Polk Co. Publishers	Image pg. A16
1975	installer	R. L. Polk and Co. Publishers	Image pg. A27
	Whited Truck Body Inc truck parts	R. L. Polk and Co. Publishers	Image pg. A27
	truck equip	R. L. Polk and Co. Publishers	Image pg. A27
	Northwest Truckstell Sales Inc	R. L. Polk and Co. Publishers	Image pg. A27
1970	NORTHWEST TRUCKSTELL SALES INC	R. L. Polk Co. Publishers	Image pg. A41
	AUTO ASSESSORIES 6 PARTS	R. L. Polk Co. Publishers	Image pg. A41
	WHITED TRUCK BODY INC TRUCK PARTS INSTALLER	R. L. Polk Co. Publishers	Image pg. A41
1946	Ruckstell Oreg Sales Co	The Pacific Telephone and Telegraph Company	
	Northwest Truckstell Sales	The Pacific Telephone and Telegraph Company	
	Truckstell Northwest Sales	The Pacific Telephone and Telegraph Company	

900 SE HAWTHORNE BLVD

Year	Uses	Source	
2013	KUSH HAND KNOTTED CARPETS	Cole Information Services	
1985	U G M Industries	R. L. Polk and Co. Publishers	Image pg. A6
1981	Vacant	R.L. Polk Co. Publishers	Image pg. A16
1975	Veterans Of Foreign Wars	R. L. Polk and Co. Publishers	Image pg. A27
1970	THREE LAMBS TAVERN	R. L. Polk Co. Publishers	Image pg. A41
1946	Red Men Hall Tavern	The Pacific Telephone and Telegraph Company	

901 SE HAWTHORNE BLVD

Year	Uses	Source	
2013	VANITY JUNKIE LLC	Cole Information Services	
2008	VANITY JUNKIE	Cole Information Services	
2003	ALL POINTS BULLETIN PRDCTN	Cole Information Services	
1985	Northwest Printing Co	R. L. Polk and Co. Publishers	Image pg. A6
1981	Gravely Oregon garden tractor als & serv	R.L. Polk Co. Publishers	Image pg. A16
1975	Gravely Oregon garden tractor sis	R. L. Polk and Co. Publishers	Image pg. A27
	& serv	R. L. Polk and Co. Publishers	Image pg. A27
1970	KERR W B F CO	R. L. Polk Co. Publishers	Image pg. A41

Year	Uses	Source	
1946	Kerr W B & Co Inc tractrs	The Pacific Telephone and Telegraph Company	

908 SE HAWTHORNE BLVD

Year	Uses	Source	
1946	Tice Electric Co	The Pacific Telephone and Telegraph Company	

909 SE HAWTHORNE BLVD

Year	Uses	Source	
1946	Pump Equipment Co	The Pacific Telephone and Telegraph Company	
	Lewis Refrig & Supply Co	The Pacific Telephone and Telegraph Company	

910 SE HAWTHORNE BLVD

Year	Uses	Source	
1970	VACANT	R. L. Polk Co. Publishers	Image pg. A42

911 SE HAWTHORNE BLVD

Year	Uses	Source	
1981	Gravly Oregon Stge	R.L. Polk Co. Publishers	Image pg. A16
1975	Conroy R W Co SHOP	R. L. Polk and Co. Publishers	Image pg. A27
1970	AVOLIO MOTOR SERVICE AUTO REPR	R. L. Polk Co. Publishers	Image pg. A43
1946	Glenn Davis Automotive Serv	The Pacific Telephone and Telegraph Company	
	Davis Glenn Automotive Serv	The Pacific Telephone and Telegraph Company	

912 SE HAWTHORNE BLVD

Year	Uses	Source	
2013	LOCKSMITH SERVICE	Cole Information Services	
	IORIO RESTAURANT	Cole Information Services	
2008	IORIO RESTAURANT	Cole Information Services	
1981	Northwest Printing Co	R.L. Polk Co. Publishers	Image pg. A16
1975	Northwest Printing Co	R. L. Polk and Co. Publishers	Image pg. A27
1970	NORTHWEST PRINTING CO	R. L. Polk Co. Publishers	Image pg. A43

915 SE HAWTHORNE BLVD

Year	Uses	Source	
2013	LUCKY LABRADOR BREW PUB	Cole Information Services	
2008	LUCKY LABRADOR BREWING CO	Cole Information Services	
2003	LUCKY LABRADOR BREW PUB	Cole Information Services	

FINDINGS

Year	Uses	Source	
1985	mtl contra	R. L. Polk and Co. Publishers	Image pg. A6
	Me Donald & Wetle roof & sheet	R. L. Polk and Co. Publishers	Image pg. A6
1981	Mc Donald & Wetle roof & sheet mtl contr	R.L. Polk Co. Publishers	Image pg. A16
1975	sheet mtl contrs	R. L. Polk and Co. Publishers	Image pg. A28
	sheet mtl contrs	R. L. Polk and Co. Publishers	Image pg. A27
	Mc Donald & Wetle Inc roof	R. L. Polk and Co. Publishers	Image pg. A27
1970	MC DONALD F WETLE INC ROOF & SHEET MTL CONTRS	R. L. Polk Co. Publishers	Image pg. A43
1946	Wetle R J Mc Donald & Wetle sheet mtl	The Pacific Telephone and Telegraph Company	
	Mc Donald & Wetle sheet mtl	The Pacific Telephone and Telegraph Company	

916 SE HAWTHORNE BLVD

Year	Uses	Source	
2013	WEALTHBRIDGE MORTGAGE CORP	Cole Information Services	
	LIFESTYLES PHYSICAL THERAPY	Cole Information Services	
1981	Camera Graphics litho negatives and plates	R.L. Polk Co. Publishers	Image pg. A16
1975	Camera Graphics Inc litho	R. L. Polk and Co. Publishers	Image pg. A28
	negatives and plates	R. L. Polk and Co. Publishers	Image pg. A28
1970	VACANT	R. L. Polk Co. Publishers	Image pg. A43
1946	Communist Party of Oreg	The Pacific Telephone and Telegraph Company	

917 SE HAWTHORNE BLVD

Year	Uses	Source	
1985	Vacant	R. L. Polk and Co. Publishers	Image pg. A6
1981	Vacant	R.L. Polk Co. Publishers	Image pg. A16
1975	Conroy W R Whse	R. L. Polk and Co. Publishers	Image pg. A28
1970	VACANT	R. L. Polk Co. Publishers	Image pg. A43
1946	Wilder J P Co	The Pacific Telephone and Telegraph Company	

923 SE HAWTHORNE BLVD

Year	Uses	Source	
2013	MICHAEL A SMITH COMPANY	Cole Information Services	
2008	MICHAEL A S	Cole Information Services	
2003	MICHAEL A SMITH	Cole Information Services	
1985	Chown Electric Supply whol elec	R. L. Polk and Co. Publishers	Image pg. A6
1981	Oregon Washington Contract Hardware Inc	R.L. Polk Co. Publishers	Image pg. A16

FINDINGS

Year	Uses	Source	
1975	Oregon Washington Contract	R. L. Polk and Co. Publishers	Image pg. A28
	Hardware Inc	R. L. Polk and Co. Publishers	Image pg. A28
1970	AMERICAN BINDERY CO INC BOOK BINDERS	R. L. Polk Co. Publishers	Image pg. A43

935 SE HAWTHORNE BLVD

Year	Uses	Source	
2013	DAVINCI DIGITAL	Cole Information Services	
2003	ANTHONY D & LORI L SECKER	Cole Information Services	
	LORIANT INC	Cole Information Services	
	A ADAMS & FAITH PHOTOGRAPHY	Cole Information Services	
1985	Abco Supply hotel restr sups	R. L. Polk and Co. Publishers	Image pg. A6
1981	Abco Supply hotel restr sups	R.L. Polk Co. Publishers	Image pg. A16
1975	A B C 0 Supply hotel restr sups	R. L. Polk and Co. Publishers	Image pg. A28
1970	CHAMBERLIN OF PORTLAND INC WEATHER STRIP MFRS	R. L. Polk Co. Publishers	Image pg. A43
	PUBLICITY PROVIDERS ADV SPECIALTIES	R. L. Polk Co. Publishers	Image pg. A43
1946	Indian Northwest Sales Co	The Pacific Telephone and Telegraph Company	
	Indian Motorcycle Sales Co	The Pacific Telephone and Telegraph Company	
	Garner Ray E Indian NW Sales Co	The Pacific Telephone and Telegraph Company	

1001 SE HAWTHORNE BLVD

Year	Uses	Source	
2013	LARSON & KING AUTOMOTIVE MACHINES	Cole Information Services	
	PORTLAND ENGINE REBUILDERS	Cole Information Services	
2008	PORTLAND ENGINE REBUILDERS	Cole Information Services	
1985	Co whse	R. L. Polk and Co. Publishers	Image pg. A6
	Millers Truck Parts & Equipment	R. L. Polk and Co. Publishers	Image pg. A6
1981	Co whse	R.L. Polk Co. Publishers	Image pg. A14
	Millers Truck Parts & Equipment	R.L. Polk Co. Publishers	Image pg. A14
1975	Co whse	R. L. Polk and Co. Publishers	Image pg. A26
	Millers Truck Parts & Equipment	R. L. Polk and Co. Publishers	Image pg. A26
1970	MILLERS TRUCK PARTS C	R. L. Polk Co. Publishers	Image pg. A39
	EOUIPMENT CO WHSE	R. L. Polk Co. Publishers	Image pg. A39
1946	Millers Truck Wrecking Co	The Pacific Telephone and Telegraph Company	
	Truck Wrecking Co	The Pacific Telephone and Telegraph Company	

FINDINGS

1006 SE HAWTHORNE BLVD

Year	Uses	Source	
1985	Vacant	R. L. Polk and Co. Publishers	Image pg. A6
1981	Portland Transmission Psr s	R.L. Polk Co. Publishers	Image pg. A14
1975	Portland Transmission Parts	R. L. Polk and Co. Publishers	Image pg. A26
1970	PORTLAND TRANSMISSION PARTS	R. L. Polk Co. Publishers	Image pg. A39
1946	Blohm S T Wstrn Golf Crse Sup Co	The Pacific Telephone and Telegraph Company	
	Western Golf Course Sup Co	The Pacific Telephone and Telegraph Company	

1008 SE HAWTHORNE BLVD

Year	Uses	Source	
2008	DINOS	Cole Information Services	
	DAVINE HOSPITALITY INC	Cole Information Services	
1985	Dinos Inn tavern	R. L. Polk and Co. Publishers	Image pg. A6
1981	Dinos Inn tavern	R.L. Polk Co. Publishers	Image pg. A14
1975	Jims Jungle tavern	R. L. Polk and Co. Publishers	Image pg. A26
1970	JIMS JUNGLE TAVERN	R. L. Polk Co. Publishers	Image pg. A39
1946	Hawthorne Tavern	The Pacific Telephone and Telegraph Company	

1016 SE HAWTHORNE BLVD

Year	Uses	Source	
2013	PORTLAND TRANSMISSION WAREHOUSE	Cole Information Services	
2008	BRADSHAW AUTO PARTS INC	Cole Information Services	
	PORTLAND TRANSMISSION	Cole Information Services	
1985	Portland Transmission Warehouse	R. L. Polk and Co. Publishers	Image pg. A6
1981	Portland Transmission Warehouse whol	R.L. Polk Co. Publishers	Image pg. A14
1975	Portland Transmission Warehouse	R. L. Polk and Co. Publishers	Image pg. A26
1970	PORTLAND TRANSMISSION WAREHOUSE WHOL	R. L. Polk Co. Publishers	Image pg. A39
1946	OKeefe Billee r	The Pacific Telephone and Telegraph Company	

1021 SE HAWTHORNE BLVD

Year	Uses	Source	
1981	Bradshaw Auto Service serv at&	R.L. Polk Co. Publishers	Image pg. A14
1975	Bradshaw Auto Service Inc	R. L. Polk and Co. Publishers	Image pg. A26
1970	8RADSHAW AUTO SERVICE INC	R. L. Polk Co. Publishers	Image pg. A39
1946	Bradshaws Auto Serv Shop	The Pacific Telephone and Telegraph Company	

FINDINGS

1022 SE HAWTHORNE BLVD

Year	Uses	Source	
1981	SE HAWTHORNE BLVD Contd	R.L. Polk Co. Publishers	Image pg. A15
	A Portland Transmission Stge	R.L. Polk Co. Publishers	Image pg. A14
1975	Cvarak Ivan J	R. L. Polk and Co. Publishers	Image pg. A26
	Ivans Barber Shop	R. L. Polk and Co. Publishers	Image pg. A26
	2 Portland Transmission Stge	R. L. Polk and Co. Publishers	Image pg. A26
1970	MEI FRANK SHOE REPAIR	R. L. Polk Co. Publishers	Image pg. A39

1024 SE HAWTHORNE BLVD

Year	Uses	Source	
1975	Stoe Al B	R. L. Polk and Co. Publishers	Image pg. A26
1970	MOORING WAYNE	R. L. Polk Co. Publishers	Image pg. A39
1946	Smith Frank E r	The Pacific Telephone and Telegraph Company	

1025 SE HAWTHORNE BLVD

Year	Uses	Source	
2013	BRADSHAWS SERVICE CENTER INC	Cole Information Services	
2008	BRADSHAW SERVICE CENTER	Cole Information Services	
1985	Bradshaw Auto Service	R. L. Polk and Co. Publishers	Image pg. A6
1946	Bradshaws Texaco Serv Sta	The Pacific Telephone and Telegraph Company	

1030 SE HAWTHORNE BLVD

Year	Uses	Source	
1975	Blaisdell Saw Shop	R. L. Polk and Co. Publishers	Image pg. A26
1970	BLAISOELL SAW SHOP	R. L. Polk Co. Publishers	Image pg. A39

1040 SE HAWTHORNE BLVD

Year	Uses	Source	
2013	11TH AVE LIQUOR	Cole Information Services	
2008	11TH AVENUE LIQUOR & SMOKE SHOP	Cole Information Services	
2003	PJ SLEEP SHOP	Cole Information Services	
	APPLNC CNCT MJR APLNC IN HOME	Cole Information Services	
1985	Portland Transmission Parts	R. L. Polk and Co. Publishers	Image pg. A6
1981	Best Buy Shopping Center gro	R.L. Polk Co. Publishers	Image pg. A15
1975	Best Buy Shopping Center gro	R. L. Polk and Co. Publishers	Image pg. A26
1970	BEST BUY SHOPPING CENTER GRO	R. L. Polk Co. Publishers	Image pg. A39
1946	T P Food Mkt	The Pacific Telephone and Telegraph Company	

FINDINGS

SE MADISON ST

710 SE MADISON ST

Year	Uses	Source	
1985	Oregon Parts Co SHOP	R. L. Polk and Co. Publishers	Image pg. A7
1981	Oregon Parts Co SHOP	R.L. Polk Co. Publishers	Image pg. A17
1975	Oregon Parts Co SHOP	R. L. Polk and Co. Publishers	Image pg. A29
1970	OREGON PARTS CO SHOP	R. L. Polk Co. Publishers	Image pg. A44

772 SE MADISON ST

Year	Uses	Source	
1970	S MC HUGHES DOROTHY A	R. L. Polk Co. Publishers	Image pg. A45

825 SE MADISON ST

Year	Uses	Source	
2008	EVERY DAY MERCHANDISE	Cole Information Services	
2003	EVERYDAY MERCHANDISE	Cole Information Services	
1981	Vacant	R.L. Polk Co. Publishers	Image pg. A17
1975	Goidens Inc tavern & bar sups	R. L. Polk and Co. Publishers	Image pg. A29
1970	NU VITA FOODS MFRS	R. L. Polk Co. Publishers	Image pg. A46

923 SE MADISON ST

Year	Uses	Source	
2013	CUSTOM STAMPING & MFG CO	Cole Information Services	
	SIGNUP CORP	Cole Information Services	
2008	SIGN UP CORP	Cole Information Services	
2003	CUSTOM STAMPING & MFG CO	Cole Information Services	
	SIGN UP CORP	Cole Information Services	

940 SE MADISON ST

Year	Uses	Source	
2013	LARSON SERVICE CENTER INC	Cole Information Services	
	HOWLIDAY INN THE	Cole Information Services	
2008	HOWLIDAY INN DOGGIE DAYCARE	Cole Information Services	
2003	LARSON SERVICE CTR INC	Cole Information Services	
1985	Millers Truck Parts & Equipment	R. L. Polk and Co. Publishers	Image pg. A7
1981	Millers Truck Parts & Equipment Inc	R.L. Polk Co. Publishers	Image pg. A17
1975	Millers Truck Parts & Equipment	R. L. Polk and Co. Publishers	Image pg. A29
1970	MILLERS TRUCK PARTS EQUIPMENT INC	R. L. Polk Co. Publishers	Image pg. A46

FINDINGS

1109 SE MADISON ST

Year	Uses	Source	
2013	LOCKSMITH	Cole Information Services	
	MADISON BAR & GRILL	Cole Information Services	
	MADISONS EVENT CENTER	Cole Information Services	
2008	MADISON BAR & GRILL	Cole Information Services	
	MADISONS EAST WING	Cole Information Services	
2003	MADISONS BAR & GRILL	Cole Information Services	
	STEVEN W BROWN JR	Cole Information Services	
	MADISONS EVENT CTR	Cole Information Services	

1120 SE MADISON ST

Year	Uses	Source	
2013	MAY WL CO	Cole Information Services	
2008	THE W L MAY CO	Cole Information Services	
2003	PACIFIC APPLIANCE PARTS	Cole Information Services	
	TEST TOOLS INC	Cole Information Services	
1985	May W L & Co appl parta whol	R. L. Polk and Co. Publishers	Image pg. A7
	Test Tools Inc	R. L. Polk and Co. Publishers	Image pg. A7
1981	May W L & Co stock brokers	R.L. Polk Co. Publishers	Image pg. A17
1975	Meyer Fred Inc Baking Plant	R. L. Polk and Co. Publishers	Image pg. A29
1970	MEYER FRED INC BAKING PLANT	R. L. Polk Co. Publishers	Image pg. A44
1946	Baking Plant	The Pacific Telephone and Telegraph Company	

SE MAIN ST

705 SE MAIN ST

Year	Uses	Source
1946	Bingham Pump Co	The Pacific Telephone and Telegraph Company

706 SE MAIN ST

Year	Uses	Source
2013	SOUTERNLOCKSMITH	Cole Information Services
	FAST BREAK VENDING	Cole Information Services
	SMITTYS VENDING INC	Cole Information Services
	DUNIS DISTRIBUTING	Cole Information Services
2008	SMITTYS VENDING	Cole Information Services
	MUSIC VEND DISTRIBUTING CO	Cole Information Services
2003	WEST COAST VENDING INC	Cole Information Services

FINDINGS

Year	Uses	Source	
2003	SMITTYS VENDING INC	Cole Information Services	
	WEST COAST PAINTING INC	Cole Information Services	
1981	Automotive Jobbere Warehouse Inc	R.L. Polk Co. Publishers	Image pg. A18
1975	J V J Parts Distributors Inc	R. L. Polk and Co. Publishers	Image pg. A30
1970	PITMAN MOORE INC VET SUP WHOL	R. L. Polk Co. Publishers	Image pg. A47

717 SE MAIN ST

Year	Uses	Source	
1985	Massachusetts Building	R. L. Polk and Co. Publishers	Image pg. A8
1981	Mase Bldg	R.L. Polk Co. Publishers	Image pg. A18
1975	Vacant	R. L. Polk and Co. Publishers	Image pg. A30
1970	VACANT	R. L. Polk Co. Publishers	Image pg. A47
	NORTHWEST STATIONERY E PRINTING CO	R. L. Polk Co. Publishers	Image pg. A47
	VACANT	R. L. Polk Co. Publishers	Image pg. A47
	VACANT	R. L. Polk Co. Publishers	Image pg. A47
	VACANT	R. L. Polk Co. Publishers	Image pg. A47
	MASS BUILDING	R. L. Polk Co. Publishers	Image pg. A47
	VACANT	R. L. Polk Co. Publishers	Image pg. A47
	VACANT	R. L. Polk Co. Publishers	Image pg. A47

811 SE MAIN ST

Year	Uses	Source
2013	TERRY ROBB NW SCHOOL OF ACOUSTIC GUI	Cole Information Services
	INEX UPHOLSTERY	Cole Information Services
2008	VANISHED TWIN PHOTOGRAPHY LLC	Cole Information Services
2003	ACTIVSPACE AT MAIN	Cole Information Services

824 SE MAIN ST

Year	Uses	Source	
1970	PRECISION AUTOMOTIVE SERVICE AUTO REPR	R. L. Polk Co. Publishers	Image pg. A47

833 SE MAIN ST

Year	Uses	Source
2013	LAW OFFICE OF YANCHAR LLC	Cole Information Services
	BLACK SHEEP BAKERY & COFFEE	Cole Information Services
	A CONVENIENT CYCLE	Cole Information Services
	PORTLAND RADIO AUTHORITY	Cole Information Services
	ACTIVSPACE AT SE MAIN	Cole Information Services

FINDINGS

Year	Uses	Source
2013	OLIVE SHOES	Cole Information Services
	QUINLAN PAMELA	Cole Information Services
	RETURNING VETERANS PROJECT THE	Cole Information Services
	STREET YOGA	Cole Information Services
	MILLER SAFETY & HEALTH CONSULTING	Cole Information Services
	SPOKE COFFEE	Cole Information Services
	REC SOLAR OREGON	Cole Information Services
	ENTERTAINMENT WORK	Cole Information Services
	GRAPHEON COMMUNICATIONS DESIGN	Cole Information Services
	LEROI CONSULTING LLC	Cole Information Services
	TWD CONSULTING	Cole Information Services
	KINGS AUTO GLASS	Cole Information Services
	JMP FINANCIAL CONSULTING	Cole Information Services
2008	HAND IN HAND PRESS	Cole Information Services
	PAVLOCK ARCHITECTURE PC	Cole Information Services
	BRIDGE CITY INVESTIGATIONS LLC	Cole Information Services
	GRANTSMART LLC	Cole Information Services
	LAURA RITTALL INVESTIGATIONS	Cole Information Services
	STRAIGHT N FADE	Cole Information Services
	ACTIVSPACE AT SE MAIN	Cole Information Services
	VALENTINE INDUSTRIES LLC	Cole Information Services
	COFFEE FOR BOOKS LLC	Cole Information Services
	GREYDAY PRODUCTIONS	Cole Information Services
	TAP SPACE PUBLICATIONS	Cole Information Services
	FLYING I RANCH LLC	Cole Information Services
	GLOBALTOX INC	Cole Information Services
	FASTER PERMITS	Cole Information Services
	PAUL PAVLOCK ARCHITECT	Cole Information Services
	VERITOX INC	Cole Information Services
	ENTERTAINMENT WORKS	Cole Information Services

835 SE MAIN ST

Year	Uses	Source
1946	Vaughan Motor Co	The Pacific Telephone and Telegraph Company

FINDINGS

917 SE MAIN ST

Year	Uses	Source	
1946	Fry W C	The Pacific Telephone and Telegraph Company	

925 SE MAIN ST

Year	Uses	Source	
1985	Oregon Roofers Supply Inc	R. L. Polk and Co. Publishers	Image pg. A8
1981	Oregon Roofers Supply Inc	R.L. Polk Co. Publishers	Image pg. A18
1975	Oregon Roofing Supply Inc	R. L. Polk and Co. Publishers	Image pg. A30
1970	OREGON ROOFING SUPPLY INC	R. L. Polk Co. Publishers	Image pg. A47

1001 SE MAIN ST

Year	Uses	Source	
2013	SIDEDRAUGHT CITY	Cole Information Services	
2008	FRICTION PRODUCTS MFG CO INC	Cole Information Services	
2003	FRICTION PRODUCTS MFG CO	Cole Information Services	
1985	Friction Products Mfg Co mfra	R. L. Polk and Co. Publishers	Image pg. A8
1981	Friction Products Mfg Co mfre	R.L. Polk Co. Publishers	Image pg. A18
1975	Friction Products Mfg Co mfrs	R. L. Polk and Co. Publishers	Image pg. A30
1970	FRICTION PRODUCTS MFG CO MFRS	R. L. Polk Co. Publishers	Image pg. A47

1009 SE MAIN ST

Year	Uses	Source	
1946	Henderson Don Serv Bronze & Brass Wks	The Pacific Telephone and Telegraph Company	
	Service Bronze & Brass Wks	The Pacific Telephone and Telegraph Company	

1015 SE MAIN ST

Year	Uses	Source	
2013	LINDAS ATTENTION TO DETAIL	Cole Information Services	
	AM PM LOCKSMITH	Cole Information Services	
2008	ATD	Cole Information Services	
2003	ATD	Cole Information Services	
1985	Chase Car Care Inc auto body	R. L. Polk and Co. Publishers	Image pg. A8
	paint & shop	R. L. Polk and Co. Publishers	Image pg. A8
1981	Custon Stamping Co Whee	R.L. Polk Co. Publishers	Image pg. A18
1975	Portland Precision Mfg Co	R. L. Polk and Co. Publishers	Image pg. A30
1970	PORTLAND PRECISION MFG CO	R. L. Polk Co. Publishers	Image pg. A47

FINDINGS

1033 SE MAIN ST

Year	Uses	Source	
2013	EQUAL EXCHANGE	Cole Information Services	
2008	US BEARINGS & DRIVES	Cole Information Services	
2003	US BEARINGS & DRIVES INC	Cole Information Services	
1985	Ford Graphics reprographics serv	R. L. Polk and Co. Publishers	Image pg. A8
1981	Cascade Microfilm	R.L. Polk Co. Publishers	Image pg. A18
1975	Cascade Microfilm	R. L. Polk and Co. Publishers	Image pg. A30
1970	RED WAGON STORE	R. L. Polk Co. Publishers	Image pg. A47
1946	Wood Tractor Co	The Pacific Telephone and Telegraph Company	
	Wood Tractor Co	The Pacific Telephone and Telegraph Company	
	Wood Roy E Wood Tractr Co	The Pacific Telephone and Telegraph Company	

1105 SE MAIN ST

Year	Uses	Source	
2013	MILLCROSS LITHO	Cole Information Services	
2008	H & H PRESS	Cole Information Services	
	MILLCROSS LITHO INC	Cole Information Services	
2003	H & H PRESS INC	Cole Information Services	
	MILLCROSS LITHO INC	Cole Information Services	
1985	Millcross Litho Inc pmtr	R. L. Polk and Co. Publishers	Image pg. A8
1975	Millcross Litho prntr	R. L. Polk and Co. Publishers	Image pg. A30
1970	NEW HAVEN CARRIAGE E AUTO	R. L. Polk Co. Publishers	Image pg. A47
	WORKS INC TRUCK BODY MFRS	R. L. Polk Co. Publishers	Image pg. A47

1108 SE MAIN ST

Year	Uses	Source	
1981	Millcros Litho Inc prntr	R.L. Polk Co. Publishers	Image pg. A18

1120 SE MAIN ST

Year	Uses	Source	
1985	Grange Bldg Whse	R. L. Polk and Co. Publishers	Image pg. A8
1981	Grange Bldg Whee	R.L. Polk Co. Publishers	Image pg. A18
1975	Grange Bldg Whse	R. L. Polk and Co. Publishers	Image pg. A30
1970	VACANT	R. L. Polk Co. Publishers	Image pg. A47

FINDINGS

SE SALMON ST

751 SE SALMON ST

Year	Uses	Source	
1970	S 5 STEINKELLNER MARIAN MRS	R. L. Polk Co. Publishers	Image pg. A49

900 SE SALMON ST

Year	Uses	Source	
2008	HEXAFOO INC	Cole Information Services	
2003	AUTO BODY SPECIALISTS	Cole Information Services	
	NORTHWEST AUTO BODY SPCLST INC	Cole Information Services	
1985	Auto Body Specialist	R. L. Polk and Co. Publishers	Image pg. A9
1981	Auto Body Specialist	R.L. Polk Co. Publishers	Image pg. A19
1975	Northwest Auto Body Specialist	R. L. Polk and Co. Publishers	Image pg. A31
1970	MANX NORTHWEST CAR KITS DISTR	R. L. Polk Co. Publishers	Image pg. A50
	NORTHWEST AUTO BODY SPECIALIST	R. L. Polk Co. Publishers	Image pg. A50

909 SE SALMON ST

Year	Uses	Source
2013	TOMMYS PAINT POT	Cole Information Services
2008	KALEIDOSCOPE PAINT INC	Cole Information Services
	TOMMYS PAINT POT	Cole Information Services

1006 SE SALMON ST

Year	Uses	Source	
2013	HAMBLET WIRE PRODUCTS	Cole Information Services	
2008	HAMBLET WIRE PRODUCTS	Cole Information Services	
2003	HAMBLET WIRE PRODUCTS	Cole Information Services	
1985	Hamblet Wire Products mfrs	R. L. Polk and Co. Publishers	Image pg. A9
1981	Hamblet Wire Products mfrs	R.L. Polk Co. Publishers	Image pg. A19
1975	Hamblet Wire Products mfrs	R. L. Polk and Co. Publishers	Image pg. A31
1970	HAMBLET WIRE PRODUCTS MFRS	R. L. Polk Co. Publishers	Image pg. A48

1035 SE SALMON ST

Year	Uses	Source	
2008	APEX INDUSTRIES INC	Cole Information Services	
1985	Certified Welding Works Inc	R. L. Polk and Co. Publishers	Image pg. A9
1981	Certified Welding Works Inc	R.L. Polk Co. Publishers	Image pg. A19

FINDINGS

1101 SE SALMON ST

Year	Uses	Source	
2013	RIGHT BRAIN RESOURCE	Cole Information Services	
	LEE ON DONG ASSOCIATION	Cole Information Services	
	MASTER LOCKSMITH 24 7	Cole Information Services	
2008	PRECISION ELECTRO COAT INC	Cole Information Services	
	RIGHT BRAIN RESOURCE	Cole Information Services	
	LEE ON DONG ASSOCIATION	Cole Information Services	
2003	OREGON MOBILE REFINISHING	Cole Information Services	
	PRECISION ELECTRO COAT INC	Cole Information Services	
	LEE ON DONG ASSOCIATION	Cole Information Services	
1985	D F K Associates Inc	R. L. Polk and Co. Publishers	Image pg. A9
1981	Coin Electro Mechanical Service	R.L. Polk Co. Publishers	Image pg. A19
	Daisy Lodry & Dry Cin Ofc	R.L. Polk Co. Publishers	Image pg. A19
	E S P Property Factora Inc real eat	R.L. Polk Co. Publishers	Image pg. A19
	Parts House Inc The coin op machy	R.L. Polk Co. Publishers	Image pg. A19
	Sheahan Investment Co	R.L. Polk Co. Publishers	Image pg. A19
1975	Coin Electro Mechanical Service	R. L. Polk and Co. Publishers	Image pg. A31
	Daisy Lndry & Dry Cin Ofc	R. L. Polk and Co. Publishers	Image pg. A31
	E S P Property Factors Inc real	R. L. Polk and Co. Publishers	Image pg. A31
	Parts House The coin op machy	R. L. Polk and Co. Publishers	Image pg. A31
	Sheahan Investment Co	R. L. Polk and Co. Publishers	Image pg. A31
1970	VISUAL EQUIP 6 MATLS RET	R. L. Polk Co. Publishers	Image pg. A48
	GOEBEL PRATT CO	R. L. Polk Co. Publishers	Image pg. A48
	JOHNSON ACOUSTICAL & SUPPLY CO WHSE	R. L. Polk Co. Publishers	Image pg. A48
	BOOKEEPING AND ACCOUNTING SERVICE	R. L. Polk Co. Publishers	Image pg. A48
	EDUCATIONAL SYSTEMS INC AUDIO	R. L. Polk Co. Publishers	Image pg. A48

1115 SE SALMON ST

Year	Uses	Source
2008	GOODBYE GRAFFITI LLC	Cole Information Services

SE SALMON WAY

900 SE SALMON WAY

Year	Uses	Source
1946	Gustafson Truck Serv	The Pacific Telephone and Telegraph Company
	Morgan Truck Serv	The Pacific Telephone and Telegraph Company

FINDINGS

1006 SE SALMON WAY

Year	*Uses*	*Source*	
1946	Wilkes Iron Works	The Pacific Telephone and Telegraph Company	

1101 SE SALMON WAY

Year	*Uses*	*Source*	
1946	Oreg Grange Wholesale	The Pacific Telephone and Telegraph Company	

SE TAYLOR ST

816 SE TAYLOR ST

Year	*Uses*	*Source*	
1946	Hesse Ersted Iron Wks See Western Machinery Corp	The Pacific Telephone and Telegraph Company	
	Western Machinery Corp	The Pacific Telephone and Telegraph Company	

819 SE TAYLOR ST

Year	*Uses*	*Source*	
2013	EMERGENCY LOCKSMITH 24 7	Cole Information Services	
	ECOHAUS	Cole Information Services	
2008	ENVIRONMENTAL BUILDING	Cole Information Services	
	EBS PORTLAND LLC	Cole Information Services	
2003	ENVIRONMENTAL BUILDING SPLY	Cole Information Services	

931 SE TAYLOR ST

Year	*Uses*	*Source*	
1970	PEIN BOX K LUMBER CO	R. L. Polk Co. Publishers	Image pg. A51

1003 SE TAYLOR ST

Year	*Uses*	*Source*	
2008	GRAZIANO FOODSERVICE INC	Cole Information Services	
1985	Wilson Produce whol	R. L. Polk and Co. Publishers	Image pg. A10
1975	Wilson Produce whol	R. L. Polk and Co. Publishers	Image pg. A32
1970	CINNERA PRODUCE WHOL	R. L. Polk Co. Publishers	Image pg. A51
1946	Cinnera Produce Co	The Pacific Telephone and Telegraph Company	
	G C Produce Transport	The Pacific Telephone and Telegraph Company	

FINDINGS

1007 SE TAYLOR ST

Year	Uses	Source	
1985	Wilson Prod Stge	R. L. Polk and Co. Publishers	Image pg. A10
1975	Vacant	R. L. Polk and Co. Publishers	Image pg. A32
1970	GARDEN PRODUCTS INC PROD DLRS	R. L. Polk Co. Publishers	Image pg. A51
1946	Binn Brothers prodc	The Pacific Telephone and Telegraph Company	

SW 8TH AVE

1100 SW 8TH AVE

Year	Uses	Source	
1975	Andrews F H & Associates	R. L. Polk and Co. Publishers	Image pg. A33
	Inc real est	R. L. Polk and Co. Publishers	Image pg. A33
	Niemi Holland & Scott accts	R. L. Polk and Co. Publishers	Image pg. A33
	Western Paper Co	R. L. Polk and Co. Publishers	Image pg. A33
	Paulson Charles lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Ransom Hilson & Eder lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Lancefield Richd F lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Murray Wm B lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Schmidt Benhardt E lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Witter Dean & Co Inc Corp	R. L. Polk and Co. Publishers	Image pg. A33
	Finance Dept stock brokers	R. L. Polk and Co. Publishers	Image pg. A33
	Standard Plaza Building	R. L. Polk and Co. Publishers	Image pg. A33
	B 2 City Center Parking Inc	R. L. Polk and Co. Publishers	Image pg. A33
	American Express Travel	R. L. Polk and Co. Publishers	Image pg. A33
	Service Ofc	R. L. Polk and Co. Publishers	Image pg. A33
	Bays Secretarial Serv	R. L. Polk and Co. Publishers	Image pg. A33
	secretarial servs	R. L. Polk and Co. Publishers	Image pg. A33
	Peat Marwick Mitchell & Co	R. L. Polk and Co. Publishers	Image pg. A33
	Additional Sp	R. L. Polk and Co. Publishers	Image pg. A33
	Rians Breadbasket restr	R. L. Polk and Co. Publishers	Image pg. A33
	Dean Witter & Co Inc stock	R. L. Polk and Co. Publishers	Image pg. A33
	brokers	R. L. Polk and Co. Publishers	Image pg. A33
	Oregon Bank The Br	R. L. Polk and Co. Publishers	Image pg. A33
	Vacant	R. L. Polk and Co. Publishers	Image pg. A33
	Helzer Richd G lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Robminowitz Charles lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Vacant	R. L. Polk and Co. Publishers	Image pg. A33
	Standard Plaza Barber Shop	R. L. Polk and Co. Publishers	Image pg. A33

FINDINGS

Year	Uses	Source	
1975	Tiffany Food Service restr	R. L. Polk and Co. Publishers	Image pg. A33
	Doane Niel C ct reporter	R. L. Polk and Co. Publishers	Image pg. A33
	Elliott Wm R ct reporter	R. L. Polk and Co. Publishers	Image pg. A33
	Rude Gordon C ct reporter	R. L. Polk and Co. Publishers	Image pg. A33
	Lakefish Sidney acct	R. L. Polk and Co. Publishers	Image pg. A33
	American Guaranty Equipment	R. L. Polk and Co. Publishers	Image pg. A33
	Leasing Corp	R. L. Polk and Co. Publishers	Image pg. A33
	th Fl Standard Insurance Co	R. L. Polk and Co. Publishers	Image pg. A33
	Ofcs	R. L. Polk and Co. Publishers	Image pg. A33
	th Fl Standard Insurance Co	R. L. Polk and Co. Publishers	Image pg. A33
	Ofes	R. L. Polk and Co. Publishers	Image pg. A33
	Standard Ins Regional Group	R. L. Polk and Co. Publishers	Image pg. A33
	Overseas Shipping Co	R. L. Polk and Co. Publishers	Image pg. A33
	steamship agcy	R. L. Polk and Co. Publishers	Image pg. A33
	Boland Wm H lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Eva Don lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Gerhardt Paul lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Karhn Harvey lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Hybertsen Paul S lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Mc Cormick & Reynolds lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Loomis & Kennedy Inc inv	R. L. Polk and Co. Publishers	Image pg. A33
	counselors	R. L. Polk and Co. Publishers	Image pg. A33
	thfl Momson Dunn Cohen	R. L. Polk and Co. Publishers	Image pg. A33
	Miller & Carney lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Witte Lester & Co acct	R. L. Polk and Co. Publishers	Image pg. A33
	Brown Hansen & Steenson Pc	R. L. Polk and Co. Publishers	Image pg. A33
	lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Greaves Card acct	R. L. Polk and Co. Publishers	Image pg. A33
	Lien Lyle acct	R. L. Polk and Co. Publishers	Image pg. A33
	Schmtzer Louis lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Schnitzer Manuel R acct	R. L. Polk and Co. Publishers	Image pg. A33
	Stowaser Rollo acct	R. L. Polk and Co. Publishers	Image pg. A33
	Standard Insurance Co exec	R. L. Polk and Co. Publishers	Image pg. A33
	Tooze Kerr Peterson Marshall	R. L. Polk and Co. Publishers	Image pg. A33
	& Shenker lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Pozzi Wilson & Atchison lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Ellis Ishmael & Associates	R. L. Polk and Co. Publishers	Image pg. A33
	court reporters	R. L. Polk and Co. Publishers	Image pg. A33

FINDINGS

Year	Uses	Source	
1975	Samuels Samuels & Yoelin	R. L. Polk and Co. Publishers	Image pg. A33
	lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Bernard Hurley Hodges	R. L. Polk and Co. Publishers	Image pg. A33
	Kneeland lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Touche Ross & Co acct	R. L. Polk and Co. Publishers	Image pg. A33
	Carey Henry A Jr lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Carter Thos 0 lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Kolisch Hartwell & Dickinson	R. L. Polk and Co. Publishers	Image pg. A33
	lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Peat Marwick Mitchell & Co	R. L. Polk and Co. Publishers	Image pg. A33
	accts	R. L. Polk and Co. Publishers	Image pg. A33
	Haskins & Sells Br accts	R. L. Polk and Co. Publishers	Image pg. A33
	Souther Spaulding Kinsey	R. L. Polk and Co. Publishers	Image pg. A33
	Williamson Schwabe Ofc	R. L. Polk and Co. Publishers	Image pg. A33
	lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Souther Spaulding Kinsey	R. L. Polk and Co. Publishers	Image pg. A33
	Williamson & Schwabe lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Bullock Gary M lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Ierulli Frank M lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Robinson Gerald H lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Kennedy & King lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Cairns Jack H lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	OHollaren Paul J lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Duffy Stout Georgeson	R. L. Polk and Co. Publishers	Image pg. A33
	Dahl lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Hardy Buttler Mc Ewen	R. L. Polk and Co. Publishers	Image pg. A33
	Weiss & Newman lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Guinasso Charles B lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Carlson Gary lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Perrn Robt E lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Ryan John D lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Pedersen A Whiting lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Rose Roger G lwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Wood Wood Tatum Mosser	R. L. Polk and Co. Publishers	Image pg. A33
	Brooke lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Buss Leichner Lindstedt	R. L. Polk and Co. Publishers	Image pg. A33
	Barker & Buono lwyrs	R. L. Polk and Co. Publishers	Image pg. A33
	Park Corporation industrial	R. L. Polk and Co. Publishers	Image pg. A33

FINDINGS

Year	Uses	Source	
1975	dev real est	R. L. Polk and Co. Publishers	Image pg. A33

1209 SW 8TH AVE

Year	Uses	Source	
1975	Goss Walter A	R. L. Polk and Co. Publishers	Image pg. A33
	Lynch Margt Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Green Edith	R. L. Polk and Co. Publishers	Image pg. A33
	Hemenway Martha J Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Ambassador Apartments The	R. L. Polk and Co. Publishers	Image pg. A33
	Fredenck Jack	R. L. Polk and Co. Publishers	Image pg. A33
	Price Oscar L	R. L. Polk and Co. Publishers	Image pg. A33
	Yeater Douglas R	R. L. Polk and Co. Publishers	Image pg. A33
	Green Edith Ofc	R. L. Polk and Co. Publishers	Image pg. A33
	Vacant	R. L. Polk and Co. Publishers	Image pg. A33
	Sarmiento Rodolfo	R. L. Polk and Co. Publishers	Image pg. A33
	Hanley Hope	R. L. Polk and Co. Publishers	Image pg. A33
	Paragas Justino	R. L. Polk and Co. Publishers	Image pg. A33
	Norno Julito	R. L. Polk and Co. Publishers	Image pg. A33
	Balangue Mario	R. L. Polk and Co. Publishers	Image pg. A33
	Ambassador Beauty Salon	R. L. Polk and Co. Publishers	Image pg. A33
	Dawson Ehliz L	R. L. Polk and Co. Publishers	Image pg. A33
	Boland Woodrow W	R. L. Polk and Co. Publishers	Image pg. A33
	Polly Geo J	R. L. Polk and Co. Publishers	Image pg. A33
	Henderson David	R. L. Polk and Co. Publishers	Image pg. A33
	Safford Arland	R. L. Polk and Co. Publishers	Image pg. A33
	Doerksen Ben	R. L. Polk and Co. Publishers	Image pg. A33
	Klecka James	R. L. Polk and Co. Publishers	Image pg. A33
	Walsh Bessie Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Pray Helen Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Kloss Charles	R. L. Polk and Co. Publishers	Image pg. A33
	Holum Henrietta C	R. L. Polk and Co. Publishers	Image pg. A33
	Dirker Edna B Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Norville Gerald J	R. L. Polk and Co. Publishers	Image pg. A33
	Gatto Roy	R. L. Polk and Co. Publishers	Image pg. A33
	Harkson Sarah	R. L. Polk and Co. Publishers	Image pg. A33
	Fitzgerald & Assoc apt	R. L. Polk and Co. Publishers	Image pg. A33
	management & repr	R. L. Polk and Co. Publishers	Image pg. A33
	Fitzgerald Fems V	R. L. Polk and Co. Publishers	Image pg. A33
	Day Marilyn	R. L. Polk and Co. Publishers	Image pg. A33

FINDINGS

Year	Uses	Source	
1975	Bond Willard	R. L. Polk and Co. Publishers	Image pg. A33
	Vacant	R. L. Polk and Co. Publishers	Image pg. A33
	Baker John	R. L. Polk and Co. Publishers	Image pg. A33
	Allen Alice B Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Lang Fara Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Helversen Fredk D	R. L. Polk and Co. Publishers	Image pg. A33
	Wide Melanie Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Eva Don	R. L. Polk and Co. Publishers	Image pg. A33
	Vandersluis Howard J	R. L. Polk and Co. Publishers	Image pg. A33
	Eighmy Howard W	R. L. Polk and Co. Publishers	Image pg. A33
	Gibson Leontine	R. L. Polk and Co. Publishers	Image pg. A33
	Mc Culloch Joan	R. L. Polk and Co. Publishers	Image pg. A33
	Goldstein Fneda M Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Le Tourneau Florence W Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Hobson Howard	R. L. Polk and Co. Publishers	Image pg. A33
	West Elsie M Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Starkey Janet W Mrs Iwyr	R. L. Polk and Co. Publishers	Image pg. A33
	Ronstad Hildur E Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Porter Hazel H Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Winkelman Ben	R. L. Polk and Co. Publishers	Image pg. A33
	Abrahams Henry	R. L. Polk and Co. Publishers	Image pg. A33
	Simons Helen Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Valentine Edw A	R. L. Polk and Co. Publishers	Image pg. A33
	Wittliff Fern Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Yeoman Birdeen	R. L. Polk and Co. Publishers	Image pg. A33
	Joyce Ruth Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Higgins Lorraine Mrs	R. L. Polk and Co. Publishers	Image pg. A33
	Benson Harvey S	R. L. Polk and Co. Publishers	Image pg. A33

1212 SW 8TH AVE

Year	Uses	Source	
1975	Great Western National Bank	R. L. Polk and Co. Publishers	Image pg. A33

1220 SW 8TH AVE

Year	Uses	Source	
1975	Vacant	R. L. Polk and Co. Publishers	Image pg. A33

FINDINGS

1225 SW 8TH AVE

Year	Uses	Source	
1975	University Club Of Portland The	R. L. Polk and Co. Publishers	Image pg. A33

1300 SW 8TH AVE

Year	Uses	Source	
1975	Equitable Savings & Loan Asan	R. L. Polk and Co. Publishers	Image pg. A33
	Amfac Mortgage Corp	R. L. Polk and Co. Publishers	Image pg. A33
	home ofc	R. L. Polk and Co. Publishers	Image pg. A33

1403 SW 8TH AVE

Year	Uses	Source	
1975	Regency Square Flowers & Plants	R. L. Polk and Co. Publishers	Image pg. A33

1409 SW 8TH AVE

Year	Uses	Source	
1975	Carls Comb & Shears Barber	R. L. Polk and Co. Publishers	Image pg. A33

1414 SW 8TH AVE

Year	Uses	Source	
1975	Portland Motor Hotel	R. L. Polk and Co. Publishers	Image pg. A33

1415 SW 8TH AVE

Year	Uses	Source	
1975	Rear Exit Tavern	R. L. Polk and Co. Publishers	Image pg. A33

1432 SW 8TH AVE

Year	Uses	Source	
1975	Marsters Don Insurance	R. L. Polk and Co. Publishers	Image pg. A33
	Oregon State Employees Assn The	R. L. Polk and Co. Publishers	Image pg. A33

1433 SW 8TH AVE

Year	Uses	Source	
1975	Insurance Co	R. L. Polk and Co. Publishers	Image pg. A33
	American Guaranty Life	R. L. Polk and Co. Publishers	Image pg. A33

1505 SW 8TH AVE

Year	Uses	Source	
1975	Niles Dick Inc autos	R. L. Polk and Co. Publishers	Image pg. A33

FINDINGS

SW MADISON ST

1017 SW MADISON ST

Year	Uses	Source
1946	Hilton A L r	The Pacific Telephone and Telegraph Company

TAYLOR SE

816 TAYLOR SE

Year	Uses	Source	
1955	Vacant	R. L. Polk Co. Publishers	Image pg. A84
1950	Alliance Steel Co fabricators	R. L. Polk Co. Publisher	Image pg. A94
1940	Hesse Ersted Iron Works	R.L. Polk Co., Inc.	Image pg. A105

820 TAYLOR SE

Year	Uses	Source	
1960	Ea At Silde Tool & Die Wks Inc	R. L. Polk Co. Publishers	Image pg. A74
	twh e	R. L. Polk Co. Publishers	Image pg. A74
1955	Alliance Steel Co fabricators	R. L. Polk Co. Publishers	Image pg. A84

931 TAYLOR SE

Year	Uses	Source	
1960	Lentbckes Wood Shavings Co	R. L. Polk Co. Publishers	Image pg. A74
	uvilol	R. L. Polk Co. Publishers	Image pg. A74
1955	Lembekes Wood Shavings Co whol	R. L. Polk Co. Publishers	Image pg. A84
1940	Vacant	R.L. Polk Co., Inc.	Image pg. A105

1003 TAYLOR SE

Year	Uses	Source	
1960	Cinnera Prod whol	R. L. Polk Co. Publishers	Image pg. A74
1955	Cinnora Produce whol	R. L. Polk Co. Publishers	Image pg. A84
1950	ACinnera Produce	R. L. Polk Co. Publisher	Image pg. A94
1940	Vacant	R.L. Polk Co., Inc.	Image pg. A105

1007 TAYLOR SE

Year	Uses	Source	
1960	Noarlvwestern Fruit & Prod	R. L. Polk Co. Publishers	Image pg. A74
	Garden Products whol vegetables	R. L. Polk Co. Publishers	Image pg. A74
1955	Northwestern Fruit & Produce	R. L. Polk Co. Publishers	Image pg. A84
	Garden Products	R. L. Polk Co. Publishers	Image pg. A84

Year	Uses	Source	
1950	AGarden Products Co	R. L. Polk Co. Publisher	Image pg. A94

TAYLOR ST SE

816 TAYLOR ST SE

Year	Uses	Source	
1935	Hesse Ersted Iron Works	R.L. Polk Co., Inc.	Image pg. A115

820 TAYLOR ST SE

Year	Uses	Source	
1965	EAST SIDE TOOL S DIE WORKS	R.L.Polk Co.	Image pg. A62
	INC WHSEI	R.L.Polk Co.	Image pg. A62

918 TAYLOR ST SE

Year	Uses	Source	
1935	Campbell Otto G	R.L. Polk Co., Inc.	Image pg. A116

931 TAYLOR ST SE

Year	Uses	Source	
1965	LEMBCKE S WOOD SHAVINGS CO	R.L.Polk Co.	Image pg. A62
1935	Kyle Frank Iron Works	R.L. Polk Co., Inc.	Image pg. A117

937 TAYLOR ST SE

Year	Uses	Source	
1935	Pacific Truck Equipment Co	R.L. Polk Co., Inc.	Image pg. A117
	Graffenberger Valves	R.L. Polk Co., Inc.	Image pg. A117

1003 TAYLOR ST SE

Year	Uses	Source	
1981	Wilson Produce whol	R.L. Polk Co. Publishers	Image pg. A20
1965	CINNERA PRODUCE CO WHOL	R.L.Polk Co.	Image pg. A62
1935	Columbia Crate & Box Co	R.L. Polk Co., Inc.	Image pg. A115

1007 TAYLOR ST SE

Year	Uses	Source	
1981	Wileon Prod Stg	R.L. Polk Co. Publishers	Image pg. A20
1965	DICKEY PRODUCE	R.L.Polk Co.	Image pg. A62

1026 TAYLOR ST SE

Year	Uses	Source	
1981	Sika Chemical Corp whol	R.L. Polk Co. Publishers	Image pg. A20

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
1306 SE 9th Ave	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1940, 1935, 1930, 1924

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1001 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1935, 1930, 1924
1001 MADISON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1946, 1935, 1930, 1924
1001 MADISON ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
1001 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1001 MAIN ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1001 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1001 SE HAWTHORNE BLVD	2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1001 SE MAIN ST	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1001 SE MAIN ST	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1003 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1003 SE TAYLOR ST	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1003 SE TAYLOR ST	2013, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1003 TAYLOR SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1935, 1930, 1924
1003 TAYLOR ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1930, 1924
1004 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1930, 1924
1006 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1940, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
1006 SALMON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1940, 1935, 1930, 1924
1006 SALMON ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1006 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1006 SE SALMON ST	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1006 SE SALMON ST	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1006 SE SALMON WAY	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1007 SE TAYLOR ST	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1007 TAYLOR SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1940, 1935, 1930, 1924
1007 TAYLOR ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1008 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
1008 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1008 SE HAWTHORNE BLVD	2013, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1009 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1935, 1930, 1924
1009 MAIN ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
1009 SE MAIN ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1010 SALMON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1946, 1940, 1935, 1930, 1924
1011 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1950, 1946, 1935, 1930, 1924
1011 MAIN ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
1011 SALMON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1014 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1930, 1924
1015 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1015 MAIN ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1015 SE MAIN ST	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1015 SE MAIN ST	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
1016 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1930, 1924
1016 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1016 SE HAWTHORNE BLVD	2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1017 SW MADISON ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1021 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1940, 1935, 1930, 1924
1021 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1935, 1930, 1924
1021 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1022 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1946, 1930, 1924
1022 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1024 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1950, 1946, 1930, 1924
1024 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1025 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1940, 1935, 1930, 1924
1025 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1025 SE HAWTHORNE BLVD	2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1026 TAYLOR ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1030 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
1030 SALMON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1935, 1930, 1924
1030 SALMON ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
1030 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1031 MADISON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1946, 1935, 1930, 1924
1031 MADISON ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
1033 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1940, 1935, 1930, 1924
1033 MAIN ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1033 SE MAIN ST	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
1033 SE MAIN ST	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1035 SALMON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1950, 1946, 1940, 1935, 1930, 1924
1035 SE SALMON ST	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1035 SE SALMON ST	2013, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1040 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
1040 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1040 SE HAWTHORNE BLVD	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1100 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1935, 1930, 1924
1100 SALMON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1935, 1930, 1924
1100 SE 9TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1100 SW 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1101 SALMON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1935, 1930, 1924
1101 SALMON ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1101 SE SALMON ST	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1101 SE SALMON ST	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1101 SE SALMON WAY	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1105 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1950, 1946, 1940, 1935, 1930, 1924
1105 MAIN ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1105 SE MAIN ST	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1105 SE MAIN ST	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1108 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1950, 1946, 1940, 1930, 1924
1108 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1108 SE MAIN ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1109 SE MADISON ST	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
1115 SE SALMON ST	2013, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1120 MADISON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1940, 1935, 1930, 1924
1120 SE MADISON ST	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1120 SE MADISON ST	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1120 SE MAIN ST	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1127 10TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
1127 SE 10TH	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1127 SE 10TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1127 SE 10TH AVE	2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1138 10TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1940, 1935, 1930, 1924
1138 SE 10TH	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1138 SE 10TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1138 SE 10TH AVE	2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1200 7TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1950, 1946, 1940, 1935, 1930, 1924
1200 SE 7TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1200 SE 7TH AVE	2013, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1201 SE 7TH AVE	2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1201 SE 7TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1203 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1930, 1924
1203 SE 8	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1206 SE 11TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1206 SE 11TH AVE	2013, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1208 7TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1208 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
1208 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1940, 1935, 1930, 1924
1208 SE 7TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1975, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1208 SE 7TH AVE	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1208 SE 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1209 SW 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1210 7TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1210 95TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1210 SE 7TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1210 SE 7TH AVE	2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1212 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1940, 1935, 1930, 1924
1212 SE 9	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1212 SE 9TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1212 SW 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1214 7TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1214 SE 7TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1214 SE 7TH AVE	2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1215 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1215 SE 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1215 SE 8TH AVE	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1216 95TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1218 7TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1218 SE 7TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1218 SE 7TH AVE	2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1220 SW 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
1222 7TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1222 SE 7TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1222 SE 7TH AVE	2008, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1225 SW 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1226 7TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1226 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1946, 1940, 1935, 1930, 1924
1226 SE 7TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1226 SE 7TH AVE	2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1229 95TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1230 7TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1230 SE 7TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1230 SE 7TH AVE	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1234 7TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1234 SE 7TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1234 SE 7TH AVE	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1238 95TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1240 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1935, 1930, 1924
1240 SE 9TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1300 SW 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1305 SE 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1305 SE 8TH AVE	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1305 SE 9TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1306 7TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1930, 1924
1306 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
1306 SE 7TH ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1310 SE 7TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1310 SE 7TH AVE	2013, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1311 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1930, 1924
1311 SE 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1311 SE 8TH ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1311 SE 9TH AVE	2008, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1313 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1935, 1930, 1924
1313 SE 8TH AVE	2013, 2008, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1313 SE 9TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1975, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1315 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1935, 1930, 1924
1315 SE 9	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1315 SE 9TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1316 7TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1950, 1946, 1930, 1924
1316 SE 7TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1316 SE 7TH AVE	2008, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1317 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1935, 1930, 1924
1317 SE 9TH AVE	2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1318 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
1320 SE 8TH AVE	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1323 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
1324 SE 8TH AVE	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1325 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1950, 1946, 1940, 1935, 1930, 1924
1325 SE 9	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
1325 SE 9TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1326 7TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1326 SE 7TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1980, 1977, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1330 SE 8TH AVE	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1339 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1950, 1946, 1940, 1935, 1930, 1924
1339 SE 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1339 SE 8TH AVE	2008, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1340 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1940, 1935, 1930, 1924
1340 SE 9	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1340 SE 9TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1340 SE 9TH AVE	2013, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1403 SW 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1405 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1946, 1940, 1935, 1930, 1924
1405 SE 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1405 SE 8TH AVE	2013, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1406 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1935, 1930, 1924
1409 SW 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1412 11TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1940, 1935, 1930, 1924
1412 SE 11	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1414 SW 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1415 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1415 SE 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1415 SE 8TH AVE	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1415 SW 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
1416 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1960, 1946, 1940, 1935, 1930, 1924
1416 SE 8	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1416 SE 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1416 SE 8TH AVE	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1417 10TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
1417 SE 9TH AVE	2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1418 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1420 11TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
1421 SE 7TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1425 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1960, 1955, 1946, 1940, 1935, 1930, 1924
1425 SE 8	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1425 SE 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1426 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
1427 10TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1935, 1930, 1924
1427 SE 10TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1429 10TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1950, 1946, 1940, 1935, 1930, 1924
1430 11TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1950, 1946, 1940, 1935, 1930, 1924
1430 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1930, 1924
1430 SE 11TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1432 SW 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1433 SW 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1434 SE 11TH WAY	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1478 SE 9TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1504 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1950, 1946, 1940, 1935, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
1505 SE 9TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1505 SW 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1510 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1940, 1935, 1930, 1924
1510 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1930, 1924
1510 SE 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1510 SE 9TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1510 SE 9TH AVE	2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1513 10TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
1513 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1946, 1930, 1924
1513 SE 10TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1514 10TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1930, 1924
1514 SE 10TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1517 10TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1930, 1924
1521 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1946, 1930, 1924
1521 SE 8	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1522 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1930, 1924
1525 10TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1525 8TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1525 SE 10TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1525 SE 10TH AVE	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1525 SE 8TH AVE	2013, 2008, 2003, 1998, 1993, 1988, 1981, 1980, 1977, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
1528 10TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
1528 SE 10TH TER	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
1529 10TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1935, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
1530 9TH AVE SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
705 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1935, 1930, 1924
705 MAIN ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
705 SE MAIN ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
706 SE MAIN ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
706 SE MAIN ST	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
710 MADISON ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
710 SE MADISON ST	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
717 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
717 MAIN ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
717 SE MAIN ST	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
721 MADISON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1940, 1935, 1930, 1924
722 MADISON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1946, 1940, 1935, 1930, 1924
751 SE SALMON ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
772 SE MADISON ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
800 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
800 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
800 SE HAWTHORNE BLVD	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
801 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
801 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
801 SE HAWTHORNE BLVD	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
803 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1950, 1946, 1940, 1935, 1930, 1924
803 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
805 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1946, 1940, 1935, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
805 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
808 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1950, 1946, 1940, 1935, 1930, 1924
809 MADISON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1935, 1930, 1924
809 MADISON ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
811 SE MAIN ST	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
812 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1940, 1935, 1930, 1924
815 MADISON ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
816 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1940, 1935, 1930, 1924
816 SE TAYLOR ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
816 TAYLOR SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1935, 1930, 1924
816 TAYLOR ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
817 MADISON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1935, 1930, 1924
817 MADISON ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
819 SE TAYLOR ST	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
820 TAYLOR SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1950, 1946, 1940, 1935, 1930, 1924
820 TAYLOR ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
824 SE MAIN ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
825 SE HAWTHORNE BLVD	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
825 SE MADISON ST	2013, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
825 SE MADISON ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
828 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1946, 1940, 1935, 1930, 1924
828 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
831 MADISON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1935, 1930, 1924
833 SE MAIN ST	2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
835 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
835 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1946, 1935, 1930, 1924
835 MAIN ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
835 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
835 SE HAWTHORNE BLVD	2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
835 SE MAIN ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
851 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
898 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1955, 1950, 1946, 1940, 1935, 1930, 1924
900 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
900 SALMON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1946, 1935, 1930, 1924
900 SALMON ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
900 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
900 SE HAWTHORNE BLVD	2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
900 SE SALMON ST	2013, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
900 SE SALMON ST	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
900 SE SALMON WAY	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
901 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
901 MADISON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1935, 1930, 1924
901 MADISON ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
901 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
901 SE HAWTHORNE BLVD	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
908 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1930, 1924
908 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
909 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1950, 1946, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
909 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
909 SE SALMON ST	2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
910 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
911 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1940, 1930, 1924
911 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
912 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
912 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
912 SE HAWTHORNE BLVD	2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
915 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
915 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
915 SE HAWTHORNE BLVD	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
916 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1940, 1930, 1924
916 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
916 SE HAWTHORNE BLVD	2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
917 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
917 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1946, 1935, 1930, 1924
917 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
917 SE MAIN ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
918 TAYLOR ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
919 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1950, 1946, 1940, 1935, 1930, 1924
919 MAIN ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
923 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1950, 1946, 1940, 1935, 1930, 1924
923 MADISON SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1935, 1930, 1924
923 MADISON ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924

FINDINGS

Address Researched	Address Not Identified in Research Source
923 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
923 SE HAWTHORNE BLVD	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
923 SE MADISON ST	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
925 MAIN SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1940, 1935, 1930, 1924
925 SE MAIN ST	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
927 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1930, 1924
930 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1946, 1940, 1935, 1930, 1924
931 SE TAYLOR ST	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
931 TAYLOR SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1950, 1946, 1935, 1930, 1924
931 TAYLOR ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1960, 1955, 1950, 1946, 1940, 1930, 1924
935 HAWTHORNE BLVD SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1946, 1930, 1924
935 SE HAWTHORNE BLVD	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1940, 1935, 1930, 1924
935 SE HAWTHORNE BLVD	2008, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
937 TAYLOR ST SE	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1930, 1924
940 SE MADISON ST	2013, 2008, 2003, 1998, 1993, 1988, 1980, 1977, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
940 SE MADISON ST	1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1924
979 MADISON	2013, 2008, 2003, 1998, 1993, 1988, 1985, 1981, 1980, 1977, 1975, 1970, 1967, 1965, 1960, 1955, 1950, 1946, 1940, 1935, 1930

Source Page Images Appendix

SE 10TH AVE 1985

MEMBER S.I.P.C. AND N.A.S.D.
Riviera Plaza, 1618 S.W. 1st Av., Suite 405 Tel. 241-7750

NE 10TH AV—Contd
5845 No Return
5853 Slaughter Dorothy J Mrs
5900 Toban Richd E @ 282-2933
5903 Rouzie Albert D 282-1851
5910 Mills Thomas J @ 287-5743
5918 Strong Robt K 284-0331
5919 Vacant
5930 Mc Daniels James @
5931 Smith Gorman R @ 286-4196
5946★Mainzer Paul A @ 281-8347

168
ZIP CODE 97211
NE AINSWORTH ST INTERSECTS
6024 Thorstad Gaile 288-0455
6025 Vacant
6032 Ford Robt L @ 288-3815
6033 Jones Vincent A @
6104 King Richd C @ 281-5608
6107 Hinman Jeffrey L
6112 Hampton Roosevelt @ 281-6582
6115 Robinson Willie L @ 282-5498
6120 Vacant
6125 Vacant
6130 Swain Jas L @ 288-3147
6131 Reed James N @ 284-7180
6204 Govan Orisdean D Mrs @
6205 Vacant
6216 Vacant
6217★Benton Randolph 249-0457
6220 Vrister Larry D
6227★Trotman H J 287-8152
6235 Mc Carann Pat @ 282-7044
6236 Livesay Jacqueline
6243 Gordon Brenda A Mrs
6244 Zwahlen John S @ 282-6715
NE HOLMAN ST INTERSECTS
6324 Vacant
6332 Galbert Fannie L Mrs @
6333 Webster Jack D @ 282-2852
6344 Pruitt Caroline Mrs @
NE HIGHLAND ST INTERSECTS
6401 Church Of The Living God 284-5171
6404 Robin S
6414 Smart Minna O Mrs @ 281-1728
6424 Cummins Charles R 287-3016
6431 Vacant
6436★Harper T @ 280-1025
NE PORTLAND BLVD CT INTERSECTS
6457 Cook Willis @ 282-2166

174
NE PORTLAND BLVD INTERSECTS
NE DURHAM AV INTERSECTS
NE MADRONA ST INTERSECTS
7002 Hendrix Doris Mrs @
7010 Snell Kenneth 289-3980
7018 Carr James R
7028★Gullickson David 285-1607
7037 Davis Joseph @ 283-2828
7102 No Return
7110 Blockson Tommy L @
7115 Vacant
7122 Sartin Joseph L @
7127 Vacant
7133 Hughes Clara M Mrs @ 285-1444
NE BUFFALO ST INTERSECTS
7205 Tryon Arth E @ 285-1815
7206★Rose Mary @ 285-9537
7215 Jackson Ethel Mrs @
7216 Derring Petra A Mrs @ 285-3823
7224★Kawana Vincent
7225 Winters Newt @ 289-6486
7235 Demps Ruth @ 289-7457
7236 Brame Herman L @ 289-2587
7244★Brame Rickey M 285-2368
NE HOLLAND ST INTERSECTS
NE STAFFORD ST INTERSECTS
7405★Gumbert Michl @ 289-2312
NE BALDWIN ST INTERSECTS
7666 Vacant
NE COLUMBIA BLVD INTERSECTS

922
10TH AV NW —FROM 1001 W BURNSIDE ST NORTH

ZIP CODE 97209
10 Vacant
NW COUCH ST INTERSECTS
100 Armory Automotive Service Inc body repr 227-6168
137 Blitz-Weinhard (Addl Sp)
138 Great American Car Stero radio equip sls & serv 221-7768
NW DAVIS ST INTERSECTS
205 Metro Graphics lithoprntrs 223-2988
206 Walker Electric Inc mtrs & generators sls & repr 226-6828
213 Hydraulic Outfitters Inc hydraulic equip distr 223-5345
221 Downtown Auto Repair 227-4833
222 Cosmopolitan Graphics coml artists 226-3902
Signs screen-sign prntg 227-7378
229 Acme Finishers elec appl refinishing 223-7807
230 Thompson D M Inc genl bldg contr 228-1967
235 Dinihanian M E & Sons (Stge)
NW EVERETT ST INTERSECTS
300 J R's West tavern 224-1482
301 Specialty Auto Glass Co 227-1224
312 Old Buddhist Temple Bldg Floors
BSMT Vacant
FL Martin & Matteson archts 228-8501
315 U S Natl Bk (Equip Repr) 225-5196
322 Dehen Knitting Co (Addl Sp)
327 United States National Bank (Purch Dept) 225-4421
330 Dehen Knitting Co (Addl Sp)
NW FLANDERS ST INTERSECTS
404 Dehen Knitting Co 222-3871
430 Impressions West printers 222-1227
Graphics Portland Inc 248-9656
Paragon Printing Service 228-2660
435 Stearns Art Tires West dlrs 223-6193
NW GLISAN ST INTERSECTS
509 Vacant
525 Vacant
539 Vacant
NW HOYT ST INTERSECTS
630 Howell R B Co crafts & art wks 227-3125
Howell's Creative Craft Center Inc 227-3125
NW IRVING ST INTERSECTS
720 Rapid Transfer & Stge Co whse

180
10TH AV SE —FROM 1001 E BURNSIDE ST SOUTH

ZIP CODE 97214
6 Total Performance Converters auto parts ret 233-4440
10 Store Fixtures Liquidators store fixtures 236-1437
30 Vacant
SE ANKENY ST INTERSECTS
SE SANDY BLVD INTERSECTS
222 Vacant
SE PINE ST INTERSECTS
SE OAK ST INTERSECTS
404 No Return
406 Mc Allister Lorraine Mrs
410 Van Bay Thi 232-5702
412 Koroch Karl 231-0898
418 Borich Richd J 239-5180
420 Vacant
421 Allen Dwight F coml artist 232-9524
Portland Postal Employees Credit Union 235-3128
SE STARK ST INTERSECTS
SE WASHINGTON ST INTERSECTS
636 United Salad Co Inc whol produce dlrs 232-7175
SE ALDER ST INTERSECTS
715 Vacant

232
SE MORRISON ST INTERSECTS
800 Perfect Fit Mc Donald Inc upholstery supplies 234-9325
813 P M X Inc rebuilt alternators & starters 235-7603
SE BELMONT ST INTERSECTS
915 Bar-Tur Food Inc whol gro 234-5739
921 Gatto & Sons addl sp
927 Gatto & Sons whol fruit and prod 235-5589
940 Fazzio Fruit & Produce Inc sls 233-7121
1000 Fujii Edward H produce dealer
SE YAMHILL ST INTERSECTS
1019 National Builders Hardware Co 233-5381
1030 Kibe Massy Produce Co whol 234-2118
Wilson Produce wholesale
SE TAYLOR ST INTERSECTS
1127 Oregon Brass Works 232-7121
1138 Air Filter Sales & Service Inc air filter sls & servs 233-5101
SE SALMON ST INTERSECTS
SE MAIN ST INTERSECTS
SE MADISON ST INTERSECTS

240
SE HAWTHORNE BLVD INTERSECTS
1513 Tony's Cafe
★Cantu Antonio
REAR No Return
1525 Vacant
1532★Keeney Ben
1532½★Patino Leo
1534★Lee J E
1534½ Vacant
1536★Lapperty Ken
1536½ Tallard S H
1538 Vacant
1538½★Hessler Wendy
1636 Metro Sweden Freezer Sales 233-8737
SE CLAY ST INTERSECTS
SE MARKET ST INTERSECTS
1610 Primary Parts Service & Equipment 231-0899
1614 Portland French Bakery Ltd 231-0391
1632 Condit Studio Inc 232-7723
1711 Burke Engineering Co 239-9409
1720 Penney J C Serv Cntr (Whse)
1721 Custom Hospital Supplies 231-9663
1731 Consumers Electronics Marketing Co 230-1880
1741 Associated Medical Services Inc phys & hosp sup 238-4774
SE MILL ST INTERSECTS
1810 Merchants Riverview Delivery Co 233-4721
Merchants Leasing Co truck & auto 232-7141
1825 Tri-Power Re-Manufacturing electrical parts 231-6630
1835 Fabric Art 232-5510
★Lutz Stephen M 232-5510
Gordon Edw A 232-2774
SE STEPHENS ST INTERSECTS
1906 Mechanic Truck Body Div 232-7276
SE HARRISON ST INTERSECTS
2000 Vacant
Vacant
2004 Vacant
2012 Apartments
1 Flores Grace
2 Paine W A
3 Judie J T Rev 239-4616
4 Oser R
5 Brandenburg Bernice
2015 Data Distributors 231-7533
2025 Pioneer Crematorium 232-5100
Pratt Mortuary Service 232-5100
2035 Pratt Douglas B 238-4408

933
SE LINCOLN ST INTERSECTS
2108 Vacant
2100 A A Plating Inc 238-5717
2110 Western Information Supply Co word processing sup sls 231-9806
2129 Granten Apartments The 233-6738
1★Goodwin Bernard 235-0973
2 Goodwin Wm
3 Goodwin Priscilla Mrs 235-5683
4 Harsha Anne E 233-6738
5★Bui Thanh V 234-6196
6★Huynh Thi Van
7★Allen David
8 Jackson Virgil
9★Goodwin Bill 236-2643
10★Shaw Keith
11 Johns Lloyd C
12★Baker Victor
SE GRANT ST INTERSECTS
SE SHERMAN ST INTERSECTS
ZIP CODE 97202
2226 Emmerling John G photog 236-9301
Vision Photographic photog 231-4811
2318 General Threaded Products Co whol screws 234-5248
2325 Pony Express Courier Corp del serv 238-2943
2326 Vacant
2332 Vacant
SE CARUTHERS ST INTERSECTS
2410 Total Mechanical Inc contr & eng 239-8121
2413 Jordan Irvin @ 235-3018
2430★Dorsi Alexis 231-4141
2434 No Return
2435 Coast Industrial Supply Co Inc industrial fasteners 233-7773
2441 No Return
ZIP CODE 97202
2920 Rub-A-Dub Car Wash 236-8022

276
SE POWELL BLVD INTERSECTS
SE BROOKLYN ST INTERSECTS
3030 A-Line Equipment Co automotive-petr equip sls-serv 233-5464
Apeco Sales fcty agts 233-5467
3033 Vacant
3035★Guldan Maria 236-5474
3036 Andrenakos Saml R 234-4649
3041 Meigs Richd J @ 232-8785
3044 Spurger Kathy K @
3100 Vancura F S 239-6531
3101★Drankow Ava 233-1427
3111 No Return
3112 Haslam Eliz M Mrs @ 235-2226
3116 Breazeale Mary S Mrs @
3117 Bell W D
3121 Feller Anna Mrs
3126 O'Connell Patk R @ 233-1780
3127 Hubach Alice Mrs @ 234-4234
3202 Vacant
3204 Tate Lydia A Mrs @ 234-4657
3207 Baker John A @ 233-3723
3215★Landes N 233-7085
3216 Kleffner Oletha M Mrs @ 236-0525
3217★Larsen C 239-9859
3224 Lakomecki Robt M @ 232-4903
3229★Mc Roberts Wm T 236-0162
Palmer Mary L Mrs
SE FRANKLIN ST INTERSECTS
3305 Siler Richd 232-7971
3309★Young Norman R 236-9252
3320 Fedor Geo M @
3324★Milestone Kenneth 232-6066
3325 Farrell Michl D @ 236-0292
3334 Weed Gregg T @
3339★Jacobsen Dana 235-0576
3340 Dally Eliz @ 236-4302
3343 Vacant
3355 Dirks Vickie L Mrs
3371 Keithley Herbert H @ 236-3776
3381 Farmam Bruce @ 232-3794
3385 No Return
3387 Swanson Frank W @ 235-0416
3395★Conner Earl 231-7318
3399★Ingels Frank B 239-6971
SE HAIG ST INTERSECTS
3403 Vacant
3407★Lamson E A
3410 Reynolds Elmer L Jr @ 235-3480
3421 Heiberg Brian 236-1425
3424 Apartments
1 Vacant
2★Harpster Desmond J 232-0347
3 Douglas Rita J
4 Bioncone J
3430★Mac Leod Danl 233-1209
3431 Soderquist David @ 235-2520
3440 Brisindi Ann Mrs @ 236-7692
3443★De Weese Thelma N @
3448 Vacant
SE RHINE INTERSECTS
3507 Koppelamn Paul D @ 236-5922
3508 Smith Leah 231-1828
3514 Gott Leonard D @ 236-3630
3520 Eckton Robt C @ 234-7705
3521 Koenekamp Dale L @
3529 Rowe Maryellen @ 235-7484
3603★Colbert Rosalie @ 232-4890
3606 Vacant
3613 Hoover Harry L @
3614 Corbett Sharley M Mrs @ 232-6081
3622 Corbett C Richd @ 238-0518
3625 Read S I 235-6010
SE RHONE ST INTERSECTS
3702 Riordan Joseph G @ 236-3543
3706 Fogleman Wm J 238-1539
3711 Klingforth Edw J @ 235-3482
3718★Keller Wm @ 236-1680
3723 Gregg R Wesley @ 236-3691
3726 Guyer Saml T @ 236-8198
3735 Blue Wm A @ 232-1287
3740 Guimont Delmer P @
3745 Robirds Rich L @ 238-7156
3748 Cushing Mark
3750★Scherzinger Albert J 231-2526
3755★Guimont Alan
3758 Tsukuda Ernest @ 232-0485
3766 Isara Soshi Mrs @ 239-0471
3767 Doerfler Theresa K Mrs @ 232-3068
3775 Kaiser Andrew @ 232-7682
3778 Bochaler James J @ 234-8907
SE BUSH ST INTERSECTS
3805 Scherzinger John A @ 236-9765
3806★Mc Mahon J @ 236-4883
3813 Klein Eug D @
3818 Schmunk Herbert bldg contr @ 236-7535
3823 Crater Kathleen M @ 235-5158
3830 Dallas Stanley A @ 232-1458
3903 Kurtzbein Wm 232-5864
3908★Ham Debbie 233-7391
3915 Harvey Henry L @ 232-3094
3918 Bueche M A @ 238-9661
Vacant
SE CENTER ST INTERSECTS
4003 Feltz Jas P @ 232-6855
4006★Summers Ronald Jr 234-1418
4008★Pierce Ronald H 231-7004
4013 Graves
4014★Dunning Kenneth 236-3462
★Pfenning M 236-4681
4016 No Return
4018 Mysiewicz A M
4020★Hyatt Denise 233-4192
4024 Berry Russell J @
4025 Dulcich Thos V @ 238-0669
4105 Wager Eliz J Mrs @ 232-6817
4106 Miller Robt A @ 231-6417
4115 Mc Gann David J @ 235-6415
4116 Gourneau Ernest @ 236-3462
4122★Mc Allister Jean 234-4566
4123 Pfeffer Harold F @ 233-0065
SE BOISE ST INTERSECTS
4214 Jue Chong @ 235-3572
4223 Gallagher Robt F @ 231-4008
4224 Kiefel R J Remodeling 239-4838
Kiefel Richd J @ 235-9313
4235 Manus Marie C Mrs @ 232-4593
4236 Blank Joe @ 235-2646
SE CORA ST INTERSECTS

332
SE LINN ST INTERSECTS
8835 Ford L
8843a Vacant
8843b★Simpson John H 236-6736
8851a★Armstrong Edw L 235-2093
8851b Noraine Gordon L 238-2768
8852 Apartments

1201 S.E. 3rd AV.
PRINTING PAPER SPECIALISTS
WHOLESALE ONLY
CALL 233-5131

4310 N.E. Hancock
Typewriters • Calculators • Office Furniture
Tel. 288-5391 or 288-0281

SE 11TH AVE 1985

2610 S.E. Hawthorne Boulevard at 27th Avenue

NE 11TH AV—Contd
NE ALBERTA ST INTERSECTS
5016 No Return
5016 No Return
5028 Preston Kelley D Mrs
5034 West Joyce
5035 Lazenby R 284-7391
5041 Manning Aline Mrs
5044★Cooper John ©
5048 Vacant
NE WEBSTER ST INTERSECTS
5109 Finkbeiner Virgil © 281-7458
5121 Vacant
5129 Blake Florida J Mrs

150

NE SUMNER ST INTERSECTS
NE EMERSON ST INTERSECTS
5304 Vacant
5305 Vacant
5310 Darnell L
5311 Vacant
5321 Low Hilda M Mrs © 284-1666
5322 Vacant
5403★Moxley Paul E 284-7190
5404 Every Mary Mrs 281-8482
5416 Stankovich Geo © 287-7605
5424 Redmer Philip R 282-1571
NE KILLINGSWORTH ST INTERSECTS
5504 Wisner Claudia Mrs
5514 Vacant
5515 Vacant
5516 Vacant
5525 Harrington Alphine Mrs 287-2848
5526 No Return
NE CHURCH ST INTERSECTS
5604 Brewster Francis L ©
5605 Hughes Esther I Mrs © 281-3101
5614 Bryant Rozell E Mrs ©
5615 No Return
5617 Watson Cheryl 287-2509
5623 Youngblood Betty J
5624 Goodlowe Donna F
5634 Vacant
5635★Marshall Kenneth © 284-5846
5704 Peuitt Barbara A Mrs
5705 Denton Ester M Mrs © 287-0041
5712 Vacant
5715 Brannon James H © 281-9039
5724 No Return
5727★Calhoun Henry © 284-6397
5732 Lowe Ross ©
5735 Bryant Ada L Mrs © 287-5128
NE JARRETT ST INTERSECTS
5804 Vacant
5805 Harris Bobby R © 287-9863
5814 Erickson Inga L Mrs © 284-8501
5815 Metzenberg Ernest W © 284-7661
5824 Pietrowski Ersia L Mrs © 284-9864
5825 Molden Allan D
5835 Foxx Charlie B 281-6555
5840 Wadsworth Margt E Mrs © 281-8122
5845 Vacant
5846 Vacant
5852 Traverso Andy S © 249-0063
5901 Sorber Edna M artist © 287-0257
5902 Bradwell Melinda H Mrs © 288-9662
5910 Vacant
5913 Vacant
5919 Randolph Robbie S Mrs © 287-1882
5922 No Return
5932 Head Wm M ©
5933 No Return
5948 Vacant

168

ZIP CODE 97211
NE AINSWORTH ST INTERSECTS
6023 Stein David M © 288-7643
6026 Mc Collum Cecil Jr © 249-0139
6035 Smith Thelma © 281-7538
6036 Dooney Robt G © 284-2765
6106★Kelly C © 284-9652
6107★Dukes Glenrose M 281-6287
6112 Ca-Sun Solar Mechanical mechanical contr 287-1622
C H Two A & Associates busn consultants 287-1620
6113 Sampson Charles
6124 Williams Harold C © 287-3483
6125 Warren J T © 287-3549
6135 Boom Ted M 284-6539
6204 Fowlkes Kim E Mrs
6205 Wolf Helen B Mrs © 288-4205
6215 Downing K 282-1931
6216 Barber Milton
6225 Smith Ethel Mrs © 287-6380
6226 Stevens Leanne ©
6235 Bertruchi Miriam F © 288-1977
6243 Vacant
6244 Johnson Oscar © 284-5962
NE HOLMAN ST INTERSECTS
6305 Webster Yvonne C Mrs © 281-8586
6310 Gordon Geo 284-0033
6323 Vacant
6330 Precision Metal Craft 249-1939
6337 Crombie Edith M ©
6347 Lecher Richd J © 284-3733
6415 Greenwell Glenn H ©
6419★Adams Glenda K domestic wkr 284-0035
NE DURHAM AV INTERSECTS

174

NE ONEONTA ST INTERSECTS
7011 Vacant
7021★Coleman Jeannette 285-8216
7029 No Return
7037 Smith Homer
7045★Miller Evelyn 285-8216
7105 Vacant
NE BUFFALO ST INTERSECTS
7200 Woodlawn School 289-8839
7205★Alcantara Raul S 285-3031
7215 Wilborn Thos Jr 285-9030
7225 Bagley Nedra I 285-8262
7235 Vacant
7253 Manlove Michl R ©
NE HOLLAND ST INTERSECTS
7305 Woodruff Susan M Mrs
7311 Williams Earl M ©
7329 No Return
NE STAFFORD ST INTERSECTS
NE LOMBARD ST INTERSECTS
NE LOMBARD PL INTERSECTS
7500 Friction Supply Co Inc brake mfg 283-4165
NE RUSSET ST INTERSECTS
NE BALDWIN ST INTERSECTS
7606 Pacific Northwest Equipment Inc 283-3388
7642 Kinoshita Joe M © 285-2336
NE COLUMBIA BLVD INTERSECTS

358

8101 Matlack Inc trucking co 285-3691

922

11TH AV NW —FROM 1101 W BURNSIDE ST NORTH

ZIP CODE 97209
24 Nelsen Tire Warehouse Northwest 228-4415
NW COUCH ST INTERSECTS
N W DAVIS ST INTERSECTS
222 Kelly R H Co whse
NW EVERETT ST INTERSECTS
308 American Fabric Co 222-3665
Western Seat Cover Co 222-9171
315 Lanier Brugh Inc mail transport 227-7474
318 Eagle Graphics trade prntrs 223-1772
334 Dunn-Edwards Corp wallcovering distr 228-0173
NW FLANDERS ST INTERSECTS
403 Word Works Typographics Co typesetting 227-1475
415 Hick-Chatten Engraving photo 228-9686
418 Pacific Trailways (GAR) 223-7648
NW GLISAN ST INTERSECTS
530 Speedometer Service & Instrument Co speedometer & installation 227-5567
535 Stevens Jim Auto Body 224-6106
537 North Pacific Sign & Design 228-4999
NW HOYT ST INTERSECTS
730 Cascade West Transportation Brokers 241-1315
800 Vacant
810 Nutri Flow Inc 224-9059
Baler Equip Group Inc hyd balers-recycling equip 224-9059
901 Vacant
930 B N Transport trucking co 227-3579
NW LOVEJOY ST INTERSECTS

180

11TH AV SE —FROM 1101 E BURNSIDE ST SOUTH

ZIP CODE 97214
15 Store Fixtures Liquidators (Annex)
17 Store Fixture Liquidators (Annex)
55 B B T Goodyear tire dlrs 239-4874
SE ANKENY ST INTERSECTS
SE SANDY ST BLVD INTERSECTS
106 Goodyear Wholesale Tire Center dlrs 234-5364
123 Twelfth Fret Guitar Shop 231-1912
124 Associated Hose Products Inc 232-0245
125 No Return
SE ASH ST INTERSECTS
211 Vacant
221 National Telephone Co 230-0448
Sakamoto Scott Designer graphic designer 232-6225
Troy Laundry Studios
Hathay Nance
SE PINE ST INTERSECTS
330 Saint Francis Of Assisi Rectory 232-5880
★Roerig Peter Rev 232-5880
SE OAK ST INTERSECTS
417 Republic Distributing whse distr auto parts 231-2675
425 Cystic Fibrosis Foundation 231-4015
SE STARK ST INTERSECTS
523 Vacant
SE WASHINGTON ST INTERSECTS
602 Day Charles H Company Inc tools 232-1659
603 Vacant
622★Bickle Wm L 236-5961
630 Greenwald Violet M Mrs © 232-1374
635 Freeway Transport Co 233-5766
636 United Bearing Co sls ofc 235-6631
SE ALDER ST INTERSECTS
708 G A Investment (Annex)
711 Melcliffe Court Apartments 232-8916
A★Crone Bart 233-5655
B Dess Leo E 236-7562
C Mc Bride Eliz J 233-9021
D★Clough
1 Craig Rose H 236-1031
2★Doncaster Ralph 234-2060
3 Gillespie Francis J 234-4942
4★Torres F
6 Spring
7★Kosch Blanche 234-5163
21 O'Donnell Lura 234-4048
22 Negrevski
23 Zaharako
24 Nunn
25 Carrington Robt W
26 Campbell Patti
27 King
31 Phillips M L 235-4493
32 Kay Jessie M Mrs 234-4278
33 Yazzolino Ernie
34★Dometer F
35 Lundstrom Geraldine 236-0718
36 Russell Dorothy M 235-6883
37 Wilson
41 Redding Geo E 232-6524
42 Morse Harold L 234-5163
43★Crosby Doug A 236-1720
44★Mc Carney M E 236-2258
45★Kendall L M 231-9262
46★Nault R
47★Arellano Patty 236-1173
101 Byhre
102 Bradley
103 Harshbarger Joyce
104 Finger Norman F 235-2205
105★Mills C L
106 Chung Francis 233-0265
201 Misetich
202 Petersen
203 Vacant
204★Yazzolino S
205 Fraas
206 Anderson Alice M 236-1046
301★Lewis C F 239-6993
302 Major Alice
303 Mc Hargue
304 Slater
305★Johns W
306 Stiefbold Carl 233-2027
402★Mills Lee 230-0883
403 Vacant
404 Vacant
405 Magnuson
406★Mecum D
STREET CONTINUED
716 U S Dept Of Agrl (Child Nutrition Program) 238-4320
U S Dept Of Agrl (Child Care Coordinating Council) 238-4320
U S D A (Child Care Information & Referral) 238-0918
720 Hare Doktor V W Service 238-4736
728 Andrews James E archt 239-4387
★Andrews Martha P Mrs archt
735 Vacant

232

SE MORRISON ST INTERSECTS
SE BELMONT ST INTERSECTS
944 Vacant
951 M & R Pacific Inc prod merchants 234-6507
Gardeners & Ranchers Associates 231-2911
Najdek Produce Co Inc 232-8281
1010 Rodgers Co Wholesale 233-4638
1020 King Of Sprouts prod 231-5705
SE TAYLOR ST INTERSECTS
SE SALMON ST INTERSECTS
1206 Oregon Air Tool Inc power tools sls & servs 234-0761
SE MAIN ST INTERSECTS
SE MADISON ST INTERSECTS

240

SE HAWTHORNE BLVD INTERSECTS
1520 Vacant
1536 Delano Photographics & Northern Light Studio coml 236-2139
SE CLAY ST INTERSECTS
1601 Cascade Electronics-Microwave Oven Service consln eng 233-7739
1611 Recknor Richd L chiropractor 236-1304
Overvold Peter chiropractor
1612 Hing Leah © 232-1917
1616 Vacant
1629 Clock Associates designer eng 234-0201
Machine Products Inc 234-0201
1632 Royal International Corp diesel air components re-mfrs 233-8637
SE MARKET ST INTERSECTS
1700 Business Equipment Bureau Inc ofc sups & equip 233-6182
1727 Larson Automotive Machine Shop 233-5949
1731 Portland Engine Rebuilders 230-1276
SE MILL ST INTERSECTS
1800 No Return
1812 Vacant
1816 Hunter James
1820 Apartments
1 Vacant
2 Vacant
3 Vacant
4 Shumard Karl W
1832 Ruth Thos 235-1953
SE STEPHENS ST INTERSECTS
1901 Hartley & Zuercher Battery & Elec Serv Inc truck repr 232-6374
1918 Marx Leanna
1922 Vacant
1923 Vacant
1925 Vacant
1927 Vacant
1932★Hall Marian S 234-7869
1937 Jolly Inn tavern 234-7869
SE HARRISON ST INTERSECTS
2000 Wagner Industrial Inc ind sups 233-5177
2001 Vacant
Gatto Antonio © 235-5034
2005 Vacant
2006 No Return
2007 Fowler Charles E
2008 Ernie's Sanitary Barber Shop 236-8059
2014 Dennis Geo E © 233-5177
2015 Renu Distributors filter cleaners 231-7028
2019 Superstein D 236-1321
2023 Weiker Raymond 234-8578
2026 Vacant
2★Smith Kim E 234-1588
2032 Moore Lonnie 236-0014
2034 Brennan M
2036★Bruneav Kenneth 238-0814
2038 Vacant

933

SE LINCOLN ST INTERSECTS
2112a Vacant
2112b★Levine Lance
2118a★Johnson C 231-0197
2118b Black Randy 234-1072
2119 Steamatic Carpet & Furniture Cleaning 231-4984
2123 Mc Kees Biluana
2124 Chau Phuoc 239-0772
2128 Louie Shui K Mrs 235-1160
2131 Vacant
2133 Vacant
2139 Frank James V Genl Contr genl contr 232-2767
SE GRANT ST INTERSECTS
2201 Hogan Phil Sheetmetal Co 232-6766
Mister Sandman Wood Floors 238-1034
2204 Fousie Michl S 238-1661
2214 Hartney Dennis P 238-0883
2224 Hall Hazel V © 232-1442
2234 Byrd Wayland © 236-0234
2235 Regal Manufacturing Co bldg mtls 230-0444
SE SHERMAN ST INTERSECTS
2303★Foe Darl 234-6399
2306★Mirelez Evaristo 239-6953
2311 Vacant
2312★Schilling Linda S
2321 Vacant
2324 Western Information Supplies Co micro computer sup sls 231-9806
2328 No Return
2329★Siler Virginia © 232-8692
2335 Makinica Fred E © 238-0710
2338 No Return
SE CARUTHERS ST INTERSECTS
2405 No Return
2407★Rose Harold E Jr
2408 Fazio David E © 235-5160
2415 Performance Typesetting 238-4777
2419 Dataform Inc prntrs 239-7211
2429 Candy Basket confections mfg 239-4447
2432 Century Litho Inc 233-2458
2435 Vacant
2442 No Return
2455 Alpha Paper Products & Systems Inc paper prod sls 231-4883
SE DIVISION ST INTERSECTS
2505 County General Services (Purchasing Section) 248-5111
2536 Binford & Mort Publishing book publisher 238-9666
CLINTON INTERSECTS

276

TEL 230-2300 | 1220 S.W. Second Ave. | Portland, OR 97232

SE 7TH AVE 1985

Surgery - Obstetrics - 24 Hour Emergency Dept.

NE 7TH AV—Contd
NE ALBERTA ST INTERSECTS
5012 Vacant
5020 Vacant
5021 Vacant
5031 Vacant
5034 Vacant
5041 Sims Marilyn Mrs 288-3163
5051 Stephen Hives @ 281-7704
NE WEBSTER ST INTERSECTS

150
NE KILLINGSWORTH INTERSECTS
5512★Fields Curtis L 284-7595
5530 Glenal Court Apartments 284-2250
1 Hayden Alice L Mrs 282-4128
2★Raylight Chas
3★Myers Claudette 281-2254
4 Cole Genora 284-4142
5 Vacant
6 Johnson Lawrence C
7 Johnson Lula
8 Edgren Bessie B 281-8769
9★Morris Lula M 287-1445
10 Martinez Wm L
11★Lewis Louise L
12 Vacant
NE CHURCH ST INTERSECTS
5622★Hill Sacia T 287-0161
5640 Anderson Thais
NE JESSUP ST INTERSECTS
5704 Cobb Ida
5714 Clark Helen R Mrs 287-3511
Kelly Inez day care wkr
5722 Mosqueda Geraldo
5725★Watson J
NE JARRETT ST INTERSECTS

168
ZIP CODE 97211
NE AINSWORTH ST INTERSECTS
6018 Lowery Myrtle C Mrs 281-4977
6020 Vacant
6028 Burns Donna M Mrs
6029 Milliron Richd S 287-8069
★Ayuyu Denise L Mrs child care
6034★Hall Alvin L trk drvr @ 249-2885
6039★Davis Jos C 281-4974
6104 Tate Dorothy L Mrs @ 284-7948
6109 Strom Donald G 282-3482
6116 Mercer Mary E Mrs @ 284-8307
6117 No Return
6124 Wilder Lorene V Mrs @ 281-5445
6128★Sporn Steph L @ 288-4656
6134 Stewart Mary L Mrs @
6201 Radmaker E E @
6204 Regula Steph C @ 281-9554
6209 Adams Properties real est broker 287-8120
Adams Wm L @ 287-8120
6214 Chapple Arth L @ 282-8195
6217 Martin Ora L Mrs @
6224 Hatton Clarence A @ 288-7639
6225 Zirkle Donna
6232 Vitale John M @
6235 Baker Donald L @ 282-5010
6243 Vacant
NE HOLMAN ST INTERSECTS
6307★Green Gregory P @ 281-5142
6314 No Return
6325 Shook Danl E @ 249-8207
6326 Welke Wilma J @ 287-3137
6335 Burton Wm R @
6336 Hatton Raymond @ 281-5654
6345 Vacant
6346 Hilken Elsie M Mrs @ 288-4976
6355 Howard Kath M
6356 Donaldson Juanita @
6404 Boss Marshall @ 287-7550
6405 Davis Colleen J @ 281-8192
6415 Robertson Shirley F Mrs @
6416★Pendergrass David A @ 287-1403
6424★Huff A
6425 Randolph
6434 Triplett Beaulah Mrs @ 287-2547
6437 Robertson Toddie L @ 281-7146
6445 Carlton Frank
6448 Beaver Floyd E @ 288-0837
6454 Langley Esprince Mrs @ 281-7271
6465 No Return

174
NE DEKUM ST INTERSECTS
6817 Wade Ralph C
6827 No Return
6835 Doering Frank F @
6836 Jehovah's Witnesses Kingdom Hall
6847★Steppes Vanella 283-5149
6905 Ranson Willie V Mrs @ 289-2759
6924 Tucker Leonard F @ 289-5255
6933 Vacant
6936 Christian Ecedro
NE BRYANT ST INTERSECTS
7008 Polk Brenda G Mrs @ 283-1755
7020 Holt Joann Mrs
7025★Ellefson Brian C
7031 Oregon Watera Fly Co mfg fish lures 285-3422
Green Camille C Mrs @ 285-3422
7032 Fitzgerald Bertha I Mrs @ 289-6942
7043 Jordan Eliz C Mrs @ 289-6053
7050 Vacant
7057 James Melvin @
7058★Dutton Edw D 283-3881
7074 Kikes Peter 285-2052
NE MORGAN ST INTERSECTS

938
7TH AV SE —FROM 701 E BURNSIDE ST SOUTH

ZIP CODE 97214
10 Ware Walter J @ 236-7251
SE ANKENY ST INTERSECTS
130 Potter-Webster Co whol auto parts 232-8146
SE ASH ST INTERSECTS
200 Volunteers Of America Family Center 232-6562
234 Volunteers Of America Child Care Center 236-8492
SE PINE ST INTERSECTS
302 East Side Electric Supply Inc 234-5266
315 Instrument Sales & Service auto acessories & parts 232-0134
340 Poppers Supply Co Inc confectioners sups 234-0576
SE OAK ST INTERSECTS
426 Van Waters & Rogers Indry sup 234-9176
West Coast Service Specialties 231-1407
SE STARK ST INTERSECTS
SE SANDY BLVD INTERSECTS
517 Vacant
SE WASHINGTON ST INTERSECTS
621 Air-Tech Paint Spray Sys Inc paint & equip 234-6461
624 Vacant
635 Jack's Shell Service 232-1882
SE ALDER ST INTERSECTS
709 Citizens Photo camera store 232-8501
712 Bell Tire & Battery Co 233-4616
734 Morrison Street Serv gas sta 239-5167

936
SE MORRISON ST INTERSECTS
SE BELMONT INTERSECTS
913 Air Products & Chemicals Inc serv gas dept 233-2571
916 Vincents John Race Central-Race Car Parts 234-2525
931 Air Products & Chems Inc (Gas Plant)
940 Air Products & Chems Inc 233-2571
SE YAMHILL ST INTERSECTS
1020 Postal Service (East Portland Sta) 234-7269
SE TAYLOR ST INTERSECTS
1103 Rodda Paint Co (Br) ret 233-6016
1140 Dunis Distributing Co vending machs 234-5491
SE SALMON ST INTERSECTS
1200 Camera Graphics 234-1967
1201 E S K Sales whol florist sup 232-1549
1208 No Return
1210 Western Audio Sales Co 239-0703
1214 Young American Publishing Inc news magazine for kids 230-1895
1218 Monarch Realty Inc coml & indus 234-0359
1222 Cavco Servie indus video repr 233-9200
1226 Weber Dale G Co mfr agt 234-7671
W B S Weber's Business Service 234-0686
1230 Mc Kernan J Cameron naval archt 232-7211
1234 NW Silk Floral Designs 239-4122
SE MAIN ST INTERSECTS
1310 Graphics Systems West 231-0697
1316 Press International Sales Corp importer 231-1312
Associated Graphics & Software Concepts 239-7865
SE MADISON ST INTERSECTS
1421 Oeco (Rec Dept) 238-2550
Oeco (Stock Dept) 238-2560

238
SE HAWTHORNE BLVD INTERSECTS
1521 Automatic Transmission Sepcialties 231-9000
SE CLAY ST INTERSECTS
SE MARKET ST INTERSECTS
1713 Saw Repair & Supply Co 235-8559
1728 Mc Duff's Tavern & Grill 234-2337
1733 Vacant
SE MILL ST INTERSECTS
1736 Aleo Electric 238-9710
1802 Mike's Performance & Four W D 231-3711
1807 Vacant
1817 Future Assemblers Corp 231-0246
1825 Vacant
1831 Mac Kenzie R 239-1093
1833 Apartments
1 No Return
5 Greenberg Bernard 232-5964
6 Vacant
7★Harris Paul
8★Mishawet Mary
1839 Carpenter Ernest G 236-5593
SE STEPHENS ST INTERSECTS
1900 Pacific Power & Light Co (Sub Station)
1903 Commercial Speedometer Service 231-4905
1911 Conrey Electric Motor Repair 232-9392
1917 Western Financial Planning Inc 238-5561
Hogan Jack T pension consultant @ 238-5561
1921 Monasch
1927 Louder Leonard A 231-7054
SE HARRISON ST INTERSECTS
2000 Arco Electric restr equip & sup 234-9393
2025 Mill-Power Engineering & Mfg Co machinery mfrs 238-6363
2027 Dycor Supply Co
2030 Vacant
2039 Wilson Cath M @ 236-5588

933
SE LINCOLN ST INTERSECTS
2101 Nagel Bob Distributing Inc janitoral sup 233-6531
2136 Wholesale Printers Inc 233-4451
SE GRANT ST INTERSECTS
2204 Plastimayd Corp plastic products 232-5101
SE SHERMAN ST INTERSECT
2300 Robben Oil Co heating oil sls 233-5841
Central Burner Service serv & repr 233-5841
SE DIVISION ST INTERSECT
SE WOODWARD ST INTERSECTS

276
ZIP CODE 97202
SE POWELL BLVD INTERSECTS
3017 Vacant
3018 Junior Carzel @ 235-4488
3024★Goode Barbara
3030 Cummings Cleo B Mrs 235-6492
3044 Landauer Robt P @
3102 Ruddick Thos J
SE KELLY ST INTERSECTS
3115 Vacant
3116★Siverson Thos R 236-8660
3128 Vacant
3133★Williams David B 231-7447
3136 Beaver Charles H @ 236-7427
3203 Carrico C Bernardine Mrs 235-4058
3205 Ely Michelle E 233-0296
3207 Butsch Charlotte 237-9463
SE FRANKLIN ST INTERSECTS
3306 Fairmount Terrace 239-7583
Hoerlein Mildred C Mrs 232-1034
3315 White Donald A @
3316 Thomsen G Michl
3326 Vacant
3327★Manchester Gary L @
3328★Grant Cynthia L 232-5630
3329 Vacant
3330★Massingill Duvid E 234-2555
3332★Bogucki Thos 236-4164
3334 No Return
3335 Diamond Don W @ 235-7440
3336★Kim Okb 232-5894
3345 Vacant
3346 Larson Kathleen R 232-0341
3355★Rodacker Kenneth @
3356 Mundy Richd H 239-7583
3358 Ashton Jean K Mrs
3360 No Return
3361 Sebesta Georgina M
3362★Cook Kyle 232-9164
3364 Vacant
3366 Johnson J E
3368 Vacant
3371 Vacant
3373 Vacant
3375★Douglas Wayne
3376 Kerr Barbara J 238-1834
3386★Lindmark Thos 230-0825
3388 Pomp Fredk S 235-2863
3394★Goss Thos 231-7310
3396 No Return
SE HAIG ST INTERSECTS
3406★Gemmell Hugh 233-2684
3408★Johnson Doug N 238-1378
3428★Mc Burnie M 236-3195
3446★Ziegler Mark L 231-2542
3456 Youmans Jack W @ 232-8526
3464★Wallberg Brian
3504 Glendenning Geo A
3514 Olson Mary G Mrs @ 233-7037
3520 Elliott Bernard E @ 236-8490
3604 Vacant
3608 Vacant
3616 Hall Minnie D @ 232-5032
SE RHONE ST INTERSECTS
SE MC LOUGHLIN BLVD INTERSECTS

328
SE SELLWOOD BLVD INTERSECTS
7624 Westling Eric D @ 232-1256
7634 Osmondson Glenn A @ 236-0933
SE MALDEN ST INTERSECTS
7728★Miller Michl L 235-9365
SE LAMBERT ST INTERSECTS
SE BIDWELL ST INTERSECTS
7884 Luck Frank C @ 236-2481
SE LEXINGTON ST INTERSECTS
7914★Lawhead Robt J @ 232-8968
7924 Berrow Harold @ 234-1491
7951 Sellwood Park 235-1412
7966★Pfennig Darlene
7969★Cowling N @
7969b Williams C
7969c Oliver D
7985 Patterson Burnice A Mrs @ 231-8711
SE NEHALEM ST INTERSECTS
8003 Verhueghe Richd T @ 238-1058
8004 Yoe Thos @ 236-6056
8012★Meng Douglas K 230-0625
8015 Ihander Lynn @ 233-9794
8024 Vacant
8036 Valdivia Kenneth J @ 231-7904
SE SPOKANE ST INTERSECTS
8066★Kennedy Sharon K Mrs 230-8015
8076 Vacant
8080 Vacant
SE TACOMA ST INTERSECTS

332
SE TACOMA ST INTERSECTS
8105★Buckmeyer John A @ 236-0824
8114 Ely Maynard E @
8115★Kahn Peter 233-2159
8133 Vacant
SE TENINO ST INTERSECTS
8206 Jaeger Roger @ 234-2870
8207★Canales Sharon
8222 Vacant
8224★Mac Kenzie Marguerite 233-0204
8225 Masterscreen Products Inc screen prntr name plates 232-9104
SE UMATILLA ST INTERSECTS
8323 Rambo Delmar @ 234-5709
8324 Lasiter Trissie
8335★Lilljeblad Beverly
SE HARNEY ST INTERSECTS
8403 Dinesen Minnie L Mrs @ 235-2661
8403a Vacant
8404 Johnson Alice K Mrs
8415 Ericsen Elsie L Mrs @ 236-6660
8424★Cranley Michl @
8427 Myers Austin A @ 235-7170
8434 Haberlock Donald R @ 234-8900
SE SHERRETT ST INTERSECTS
8510 Murait Georgiana M Mrs @ 232-3345

173
7TH AV SW —FROM 731 SW BANCROFT TER SOUTH

ZIP CODE 97201
SW 6TH DR INTERSECTS
4240 Oxman Gary L 241-1391

185
ZIP CODE 97219
SW CHESTNUT ST INTERSECTS
6829 Richter Ron 245-7492
6840 Prier Robt J @ 244-9770

201
SW CHESTNUT ST INTERSECTS
6905 Barney Helen G Mrs 245-7588
6920★Dewilde Peter V 293-2225
6945 Rockwell Leroy J @ 244-0892
7007 Di Gregorio Irving E @ 244-9591
7016 Gambrell James @ 246-7563
7017 Vacant
7025 Howells Robt M 246-0010
7105 Blues A G 245-0848
7117 Kleiner J
7133 Vacant
7139 Schaeffer James R 245-2518
Shahner Wm I
S W TERWILLIGER BLVD INTERSECTS

211
SW HUME ST INTERSECTS
8215 Johnsen Verna @ 244-8706
8224★Umber Robt 246-1471
8234 Vacant
8239 Starr Harold J Jr @ 246-6247
8307 Plseres Lucina Mrs @ 244-6691
8315 Collins James B @ 246-6028
8316 Healey
8324 Crispin Donald L @ 244-7227
8333★Durnan Paul T
SW CARSON ST INTERSECTS
8404 Hulme Josephine L Mrs @ 244-5889
8409 Lewis Dorothy A Mrs @ 244-5631
8425 Nelson Steve W 246-8961
8426 Testerman G Bill 244-8545
8437 Flynn Hubert L @ 246-1184
8438 Vacant
8501 Kruse Pearl P Mrs @ 246-2217

1523 S Tel.
1713 W. Burnside Tel. 228-7012
16225 N.E. Glisan Tel. 256-0847
223-3201
ALL TYPES OF TRANSCRIPTION EQUIPMENT - NOTARY PUBLIC
1100 S.W. 6th Av., Suite 109, Portland, Oregon

Disability Income
315 Morgan Building Tel. (503) 227-0188

TEL. 233-6471
221 S.E. Spokane
MELTECH INDUSTRIES, INC.
"Easy Living For The Active Senior Adult"
TELEPHONE 503-234-8271
1400 N.E. SECOND AVENUE, PORTLAND, OREGON 97232

NE 8TH AV—Contd
5828 Bethel African Methodist Episcopal Church 288-5429
A M A Child Development Center day nursery 288-4712
5835 Vacant
NE SIMPSON ST INTERSECTS
168
ZIP CODE 97211
NE AINSWORTH ST INTERSECTS
6024 Ziegle Jeff @ 284-3178
6026 Taylor Delores
6034 Young Janet L Mrs
6035★Taylor Gregory 281-4114
6036 Hart Bernice
6040★Bearden Walter 284-5491
6103 Epps John G 281-3289
6108★Williams Waverly @ 284-4031
6127 Jacobs Frank R @ 287-1097
6133 Warren Leo @ 287-9063
6204 Vacant
6205 Smith James @ 281-1342
6210 Vacant
6215 Jones Erma Mrs @ 282-1793
6218 Abramowitz Frank
6223 Dreyer Home Improvement Co bldg contrs 249-0922
Dreyer Earl E @ 249-0922
6226 Vacant
6231 Alderman Debra
6233 Vacant
6240★Bradford Francynia A @ 284-1960
NE HOLMAN ST INTERSECTS
6307 Hambleton Thos M @ 282-5895
6316 Vacant
6318 Vacant
6320 Anderson Francine E Mrs
6322 Vacant
6323 Vacant
6326 Staggs Wm A
6327 Kibbee Larry E
6333 Love Sherill Mrs 287-2936
6336★Mc Connell Lisa @ 284-2798
6337 Vacant
6344 Etheridge Patricia @
Price Michl H @
6347 Fulwider Richd
6354 Wood Jeanine
6355 Isarraras J 288-7959
6406 Kohner Lydia
6407★Hill Mark @ 284-1110
6415 Bradshaw Buster @ 287-7040
6416★Langford Stanley J 249-6822
6427 Palumbo Rose @
6434 Vacant
6435 Bethea Luther Jr @
6440 Brown Saml D @ 282-8859
6445 Vacant
6448 Meza Catalina 284-9319
6455 Johnson Willa Mae Mrs 284-1849
6508 Payne Mary L Mrs day care wkr @ 284-0283
6511 Van Horn Gerald W @
NE PORTLAND BLVD INTERSECTS
6537 Sickinger M F 287-6352
6547 Vacant
6552★Sylvester Ernest C @ 285-3338
6557 Portwood Robt F @ 284-3474
6565 Childs Janet W Mrs @ 288-9904
NE LIBERTY ST INTERSECTS
6606★Wilson Gloria L
6607★Barnes Mary L adult foster care @ 285-9138
6610 Vacant
6614 Page Robt
NE DEKUM ST INTERSECTS
174
NE MADRONA ST INTERSECTS
7000 Alexander P A 285-9034
7025 Dowell
7030 Seitz Corinne M Mrs @ 285-0954
7036 O'Neil Rose V Mrs @ 285-0950
7037★Holm Melissa 286-4684
7044 Fry Edw A @ 289-8515
7058 Miller Allan
7065★Stanton Jan M 285-2177
7066 Vacant
7078★Lee Gary 283-4903
7086 Vacant
7094 Vacant
NE MORGAN ST INTERSECTS
7106 Galchutt Vera H Mrs @ 285-3393
7114 Vacant
7122 Lothrop Charlotte A Mrs
7142 Shorovas John @
NE BUFFALO ST INTERSECTS
7202 Hicks Donald W @ 285-8998
7205 Thomas Arth @ 289-3737
7214 Mc Daniel Mark R @
7215★Kampfe D
7224 Schmidt Dictor @ 289-6373
7236 Hodge Nancy L 286-5522
7244 Wilson N M 289-6641
NE HOLLAND ST INTERSECTS
NE STAFFORD ST INTERSECTS
922
8TH AV NW —FROM 723 W BURNSIDE ST NORTH
ZIP CODE 97209
12 Advanced Mail Programs genl mail serv 224-9428
34 Barker-Lins Inc sheet music serv 222-9607
NW COUCH ST INTERSECTS
134 Kilham Stationery & Printing Co 228-5433
NW DAVIS ST INTERSECTS
220 U S Customs Building 221-2000 Rooms
BSMT U S Custom Bldg Mtce 221-3463
BSMT US Corps Of Engs (Computer Opr) 221-3717
BSMT Stromberg Ingemar Snack Bar 241-7251
BSMT U S Corp Of Eng (Admn Servs) 221-3707
100 U S Custom (Security Ofc)
105 U S Corp Of Engineers (Ofc Of Counsel) 221-3891
L S Corp Of Engineers (Safety & Occupational Hlth 221-3877
110 U S Corps Of Engs 221-3757
110 U S Corps Of Engs (Water Quality Control) 221-3764
120 U S Corps Of Engs (Reservoir Control Cntr) 221-3758
121 US Natl Oceanic & Atmospheric Admn
122 U S Corps Of Engineer (Water Mgmt) 221-3737
205 U S Corps Of Engs (Planning Div) 221-6414
206 U S Corps Of Engs (Exec Ofcs) 221-3703
206 U S Corps Of Engs (Div Eng) 221-3702
209 U S Corps Of Engs (Policy & Long Range Planning) 221-3822
209 U S Corps Of Engineers (Economic Br)
210 Conference Room
219 U S Corps Of Engs (Constn Div) 221-3775
U S Corps Of Engineers (Geology Soils Mtls Br) 221-3868
220 U S Corps Of Engs (Pub Affairs Ofc) 221-3768
221 U S Corps Of Engs (Program Development) 221-3731
222 U S Corps Of Engs (Resource Mgmt Ofc)
222 U S Corps Of Engs (Audit Br) 221-3885
222 U S Corps Of Engineers (Oprns Div) 221-3775
306 U S Corps Of Engs (Engineering Div) 221-3871
306 U S Corps Of Engs (Tech Eng Br) 221-3851
309 U S Eng Div (Hydro Elec Design Br) 221-3835
409 U S Corps Of Engs (Mgmt & Analyst Br) 221-3884
409 U S Corps Of Engs (Finance & Acctg Br) 221-3886
409 U S Corps Of Engs (Budget & Manpower) 221-3883
410 U S Corps Of Engs (Procurement & Sup Div) 221-3797
NW EVERETT ST INTERSECTS
322 Decker's Radiator Shop auto repr 223-7458
NW FLANDERS ST INTERSECTS
422 Ward-Brownell whol elec sup 226-3286
NW GLISAN ST INTERSECTS
NW HOYT ST INTERSECTS
938
8TH AV SE —FROM 754 E BURNSIDE ST SOUTH
ZIP CODE 97214
17 Paas Club 238-7610
20 K B O O 90 7 F M 231-8032
SE ANKENY ST INTERSECTS
109 Photo-Lith Co Inc 233-3694
118 Mitchell H E Co locksmith sup whol 236-9444
122 Portland Contractors Supply Inc 232-5173
138 Vacant
SE ASH ST INTERSECTS
202 Randolph Plas S @ 236-2528
SE PINE ST INTERSECTS
303★Igwe Hyginus O 230-9092
306 Nu-Way Printing & Envelope Co 232-7151
SE OAK ST INTERSECTS
SE SANDY BLVD INTERSECTS
SE STARK ST INTERSECTS
500 Slammer Tavern The 232-6504
SE WASHINGTON ST INTERSECTS
SE ALDER ST INTERSECTS
936
SE MORRISON ST INTERSECTS
838 State Liquor Control Comn Agcy No 170 236-2076
SE BELMONT ST INTERSECTS
931 Gilbertson Mach Shop (Plant) 233-6491
SE YAMHILL ST INTERSECTS
1002 Air Rite Control htg serv 238-0388
1018 Portland Compressor air compressors 235-0200
SE TAYLOR ST INTERSECTS
SE SALMON ST INTERSECTS
1208 Carson Oil Cardlock self serv fuel Carson Service Center 241-8775
1215 Bradley E B Co 234-4631
SE MAIN ST INTERSECTS
1305 Kize's Restaurant 236-3271
1339 O E C O Corp (Power Sup) electronic mfg 238-2530
SE MADISON ST INTERSECTS
1405 Leyfax Company auto serv 233-8729
1415 O E C O Corp (Plant 6) publ book works 235-2302
1416 O E C O Corp (Plant 2) electronic equip & sups 238-2520
240
SE HAWTHORNE BLVD INTERSECTS
1525 Oeco Corp (Ship Dept) 238-2400
SE CLAY ST INTERSECTS
1630 Pacific Northwest Bell (garage)
SE MARKET ST INTERSECTS
SE MILL ST INTERSECTS
1834 Vacant
SE STEPHENS ST INTERSECTS
1918 Pacific Power & Light Co (Sub Sta)
SE HARRISON ST INTERSECTS
2005 Armored Transport NW 239-4000
2010 Window Coverings 235-2806
933
SE LINCOLN ST INTERSECTS
2112 Western Engs (Addl Sp)
2136 Balzer Pacific Equipment Co contrs equip 232-5141
Columbia Enterprises Inc contr equip 234-7231
SE GRANT ST INTERSECTS
2204 Rollins Truck Leasing 234-0366
SE SHERMAN ST INTERSECTS
2324★Hillsbery Betty L
2334★De George Larry L
SE DIVISION ST INTERSECTS
2445 Six Robblees Inc truck equip 234-9961
2516 Bavarian Auto Parts Inc 236-0091
2610 Northwest Natural Gas (Annex) ofc 226-4211
2613 Darigold (Feed Div) 234-8292
2776 Davis A J & Sons Inc whol plmb sups 234-5258
SE TAGGART ST INTERSECTS
2820 Computer Wood Products Inc computer servs 238-7973
Desch R W Woodworking Inc cabt mkrs 238-5500
2821 Vacant
2829★Odle Jas G 232-6027
SE WOODWARD ST INTERSECTS
276
SE POWELL BLVD INTERSECTS
3004 Vacant
3012 Vacant
3024 Swenson Lyle O @ 236-6891
3025 Gandara Charles G @ 238-3960
3034 Sanders Curt E @ 234-0138
3039 Koenekamp Murlin L @
3044 Vacant
3045★Rivers Jeannie
3046 Kane Douglas C @ 236-5075
3103 Lowe Wm G @ 235-5994
3106 Stauffer Mary L Mrs @ 232-0019
3117★Hill Dorsey L @ 232-7801
3123 Beacon Manor Apartments
1 Swanson Margt Mrs
2 Murray Eileen E 236-8215
3 Reed Dorothy L Mrs
4★White Kevin C 231-8380
5★Robbs E J 230-6967
6 Hobbs Anna M
7 Poon David K 236-2208
8 Vacant
3124 Barron John
3134★Sokol Janice 239-5120
3204 Crowley Robt D @
3205 Apartments
9★Edwards Thos 289-7157
10 Sturgis Amelia M 233-1532
11★Butler Carolyn 232-3532
12 Gillis Fred 234-2808
3215 Apartments
13★Sampson Mary 234-6358
14★Horsey Ruth 231-5060
15 Jensen Ione M 234-3686
16★Beck John 234-2199
17 Reea Maxine F Mrs 235-7961
18 Summers Ruda Mrs 236-6262
19★Moore B J 236-4296
20★Bode E M mfrs rep 235-5041
STREET CONTINUED
3216★Roberts Jack B @ 230-0727
3226 Johnson Jack C @
3232 Johnson Jean L Mrs 232-7325
★Billingsley Rainier 238-0100
SE FRANKLIN ST INTERSECTS
3305 Fairmont Terrace
★Kuhn Scott 236-7399
3306★Evans Timothy E 233-1123
3308 Vacant
3314★Mais Dan @ 231-9546
3315 Frost Pamela
3316★Long Barbara J @ 234-4401
3325 Murray W B 234-9005
3327★Simpkins M D 231-0380
3329 Spangler A
3331★Spencer Jas 233-7352
3333 Vacant
3334 Ystad Laurie E 233-7215
3335★Sueda Wayne 239-4158
3338 Larson Charles E
3344 Bernardinelli Stella C Mrs @ 234-8804
3345 No Return
3352 Davis Benny
3354 No Return
3355 Peterson Ioline C Mrs 236-5542
3357 Horn Jeffrey W
3359★Mingo Timothy 236-4071
3361 Ehlers Wm A
3363★Green Verl H Jr 232-7388
3364 Winchester David K 238-1925
3365 Schlechter Anne M 235-3350
3367★De Neui J A 235-2614
3368★Hoang Giao 230-9202
3370★Sundguist Clarence
3375★Schoepp John 231-5096
3382 Merritt Keith M @ 234-2225
3388 Bosin Greg
3390 Vacant
3391 Springer Frank K @ 232-6256
3394★Goodwin Dennis 232-3161
3401★Oukrop Danl A @ 238-1933
3408 Scherzinger Aloysius A @ 238-2758
3411 Vacant
3415★Haines Sharon L 239-8880
3421 Holmes L M @
3422 Friedhoff Geo V @ 235-3374
3431 Vacant
3432★Blackburn Randy 239-0516
3433★Given Tamera 236-1679
3435★Kato Kunie 231-1891
3437★Wright Michl 234-4099
3440★Lo Lieu Thi Tuyen 232-7708
3442 Shumaker Charles F 234-1543
3449 Landen Eric @ 232-5771
3450 Williams Dorman L @ 238-1791
3457 Jeffery James A
3459 Vacant
SE RHINE ST INTERSECTS
3505 Lieuallen Barbara 239-7073
3506 Page Mary E 238-1561
3511 Bingold Keith @ 232-2447
3512 Class Hope H Mrs @ 235-1257
3521★Talbot Eric @ 233-7688
3522 Barnick Candice D @ 238-7093
3602 Rady Fred F @
3607★Boardman John W 234-2427
3609★Schubert David A 236-5158
3626★Goodyear Dennis @ 230-8084
SE RHONE ST INTERSECTS
3706 Winslow Sylvia R Mrs @ 234-2872
3712 Marsh Harold L @
3715 Montrose Delores H Mrs @ 232-3622
3723★Naylor Karen 239-6032
3726 Barron Irene Mrs @
3737 Zarosinski-Tatone & Assocs civ engs 235-8795
3738 Farmer K R @
3748 Hyatt Joseph J @ 236-2232
3755 Guarantee Mutual Life 234-5446
Franklin Goodwin Knutson & Associates ins 233-7731
Brooks Turner & Associates ins 238-3516
3758★Cottingham Hal S @ 231-6492
3766 Simshaw Ted O @ 234-5949
3776 Vulgaris Saml L 235-2769
3786★Nelson Raymond C 233-5063
SE BUSH ST INTERSECTS
3880 Columbian Bifocal Co Inc 233-6211
SE CENTER ST INTERSECTS
SE BOISE ST INTERSECTS
328
SE MILLER ST INTERSECTS
7968 Barton Nicholas C @ 232-6988
7969 Mc Cullah Opal M Mrs @ 235-5395
7974 Kettleson Harold @ 235-2854
7979 Smith Bessie L Mrs @ 236-6827
SE NEHALEM ST INTERSECTS
8005 Galvin Robt S @
8015 Hafstad Herman @ 235-0421
8024 Denbo Kenneth A @ 236-3503
8025 Kish Jesse E 235-1575
SE SPOKANE ST INTERSECTS
8055★Steffen Phillip
8074★Mc Farland Bonnie S
8075 Brinsfield James P @ 235-0828
8078 Kimball Edw F 232-0484

217 S.W. Washington • Portland, Oregon • 97204 Tel. (503) 224-4640

We make glasses for fashion, sports, work, and play. TEL. 2
2933 E. BURNSIDE
TEL. (503) 771-0192
15515 S.E. For-Mor Ct., Clackamas
COLLATING—FOLDING—INSERTING—METERING
ADDRESSING—MAIL PRESORTING

NE 9TH AV—Contd
NE FAILING ST INTERSECTS
3912★Carroll Chas A
3916 Harris Lucille 281-7585
3923 Randle Alberta A Mrs
3924 Vacant
3936 Trotter J P ◎ 284-4702
3937 Mc Donald Odessa H ◎ 287-5117
3942★Mc Coy John W 282-7998
3943 Wilson Bessie M Mrs ◎
3956★Mc Coy Michl R
3957 Marcel John L ◎ 281-9170
3963 No Return
3968 Vacant
NE SHAVER ST INTERSECTS
3971 Vacant
4006★Lawson Geo W 287-4273
4016 Vacant
4025 Rivers Lessie B Mrs ◎ 281-9392
4026 Jeannis Claire Mrs ◎ 287-6243
4034 Banks Luther T ◎ 288-2411
4037 Sullivan Annie ◎ 287-3271
4044 West Billie J Mrs ◎ 284-1801
4047 Ralston Carla 284-9629
4054 Lewis Mandy Mrs ◎ 287-9008
4056 Vacant
4065★Montgomery Lynn E 284-7691
4070 Richards Harry A ◎ 288-1234
4077 Mt Nebo Church Of God In Christ 287-8885
NE MASON ST INTERSECTS
ZIP CODE 97211
4110★Ruddell Jay L
4115 Huely Emmett
4116 Vacant
4125 Williams Cleveland ◎ 287-2339
4126★Jones Henry
4134 Martin Dan ◎
4137 Vacant
4206 Evans Essie L Mrs ◎ 282-6731
4207 Wheeler Joe ◎
4213 Delashmutt Eliz P Mrs ◎ 281-3185
★Gobielle Richd 287-5493
4216 No Return
4223 Lemon Thos C ◎
4224 Vacant
4225 Vacant
4233 Graham Raymond Vacant
NE SKIDMORE ST INTERSECTS
4311 Brown Saml ◎
4312★Johnson Esther 284-8627
4321★Cryer Ed 281-1561
4326 Vacant
4403★Moore Nadine
4404★Simms Chas L

144

NE PRESCOTT ST INTERSECTS
4516 Brown Paul A ◎ 284-1356
4524 Davis Maxine ◎ 281-1638
4525 Richardson Clifton F Rev ◎ 284-7169
4532★Rayburn Ora E Mrs 281-6158
4533 Hart Robt P ◎ 287-1823
NE GOING ST INTERSECTS
4635 Highland United Church Of Christ 287-9567
4704 Bagley Herbert F ◎
4715 Woods Judy A Mrs ◎
4725★Turner Emmett ◎ 282-5162
4726 Sellers Nancy 282-6152
N E WYGANT ST INTERSECTS
4817★Unga Sefo 281-4241
4818 Doherty Juanita ◎ 284-9615
4825 Quinn E M
4826 Paris John R ◎ 287-4339
4834 Vacant
NE HUMBOLDT ST INTERSECTS
4908★Wilson Jas ◎
4918★Hall Georgia P
4919 Saint Andrew Community School 284-1620
4926 Carino Isabel C ◎
4932 Lalic Jose ◎
4949 Saint Andrews Catholic Church 281-4429
1 Franklin Levert L ◎ 288-4524
2 Vacant
3 Vacant
4★Mc Clain Kelly
5 Vacant
6 Vacant
7 Banks Gaylon C
8 Vacant
9 Vacant
10 Vacant
NE ALBERTA ST INTERSECTS
5019 Daniels Essie M Mrs ◎ 287-9954
5026 Patterson Annie L Mrs
5027 Abel Willie ◎
5036 Green Paul L ◎ 287-5721
5037 Tayvies Rebecca M Mrs Maul Marie foster home 284-3398
5049 Mason Gracie Mrs 281-8460
NE WEBSTER ST INTERSECTS
NE SUMMER ST INTERSECTS

150

NE SUMNER ST INTERSECTS
5220 Evans Mertha
NE ROSELAWN ST INTERSECTS
5251a Vacant
5251b Vacant
NE EMERSON ST INTERSECTS
5307 Tayvies Evelyn
5309 No Return
5311 Hayes Helen
5316 Vacant
5320★Hill Hortense M 287-7267
5321 Neal Beverly Mrs
5334 Vacant
NE KILLINGSWORTH CT INTERSECTS
5405 Vacant
5412 Menefenee Charlene
5420 Rogers L C
NE KILLINGSWORTH ST INTERSECTS
5503 Vacant
5512 Hayes Mary G
5513 Johnson Elvira J Mrs ◎ 287-0309
5514 Vacant
5520 Buckner Virgil ◎
5533 Gibson Elaine L
NE CHURCH ST INTERSECTS
5614 Foll Richd W 282-0372
5624 Wosti John A ◎ 282-4201
5627 Vacant
5636 Lynch John
5637★Cave P M
5648 Bilbrew Robt L ◎ 281-9721
NE JESSUP ST INTERSECTS
5706 Ross Lorraine ◎
5711a Lanita Brick Apartments Vacant
5722 Rudarmel Jack ◎ 281-2821
NE JARRETT ST INTERSECTS
5826 Townsend Ray L ◎ 282-2824
5830 Washington Mable 288-2619
5832 Neblett Elmira R Mrs 288-1351
5834 Lawson Leola Mrs 282-0205
5836 Murray Jerry
5837 Vacant
5838 Tillman Willie B 284-8155
5840 No Return
5842 Mc Gee Dorothy Mrs 284-1342
5844 Wortham Verna E 284-6789
5852 Rawls Leo
5860 Goldsby Warren G
NE SIMPSON ST INTERSECTS
5904 Bowden Erskin ◎ 287-1392
5914 Vacant
5924 Robinson Wm ◎

168

NE AINSWORTH ST INTERSECTS
6022 Marks Richd L ◎ 287-6004
6033a Parting Inc 287-3203
6034 Drozdek Alojz 282-1483
6035 Brooks Robt C ◎
6106 Wilson Jimmie L Mrs
6112 Stanton Robt B ◎
6117 Vacant
6122 Frater John F ◎ 284-3852
6130 Bams Willie J ◎
6133 Hall Floyd L ◎ 287-1394
6203 Winterstreie Cindy M
6210 Fielder Eleanor C Mrs ◎
6217 Smith Edgar E ◎ 287-7666
6226 Granberry Mary Mrs ◎ 287-7443
6235 Grogg Clarence F ◎ 284-2038
6236 Vacant
NE HOLMAN ST INTERSECTS
6321 Booker Laura
6329 Vacant
6332 Patterson Danl W
6343 Waggoner R 284-5095
NE HIGHLAND ST INTERSECTS
6405 Harrison Robt E ◎ 281-0514
6413 Asher David W ◎ 287-0177
6423 Nacoste Loretha ◎
6426 Vacant
6435 Brown Martha
6443 No Return
6451 Shabazz Mikal ◎
6459 Lawson Fred ◎
NE PORTLAND BLVD CT INTERSECTS
6504 Clark Floyd W 249-2054

174

NE MADRONA ST INTERSECTS
7003 No Return
7010 Lemontukala Gazi
7014 Vacant
7023 Williams Bennie K Mrs 289-9139
7032 Vacant
7035 Baker Olivia Mrs
7040★Appleberry Gary S ◎ 283-4660
7043 Phom Phakox 283-0098
7053 Johnson Bruce D ◎ 289-2550
7059 Dyrhaug Lawrence C ◎ 285-6406
7062 Vacant
7102 No Return
7111 Vacant
7120 Thomas Shirley A Mrs ◎ 289-0642
7123★Harris Thelma G
7131 Vacant
7136 Turner Barbara Mrs
7143 Vacant
7200 Johnson Wm A ◎ 285-9472
7203★Howe Wm B ◎ 283-3944
7214 Green Wm S ◎ 285-9629
7215 Bailey Shelton 283-2084
7222★Thomas Larry E
7225★Allan B
7234 Biggs Herbert L ◎ 283-6831
7235 No Return
7245 Vacant
7246 Smith Lawrence
NE HOLLAND ST INTERSECTS

922

9TH AV NW —FROM 901 W BURNSIDE ST NORTH

ZIP CODE 97209
7 Far West Federal Savings (Whse) 224-4444
15 Apex Parking
31 Oregon Printing Plates Inc 227-0531
34 Apex Parking 223-7131
NW COUCH ST INTERSECTS
102 Schultz-Wack-Weir addl sp
108 Graphic Arts Building Rooms
200 Vacant
302 Bloch Adolph L Advertising Agency 227-5664
304 Vacant
114 Schultz-Wack-Weir addl sp
120 Building Rooms
206 Artists fine art
207 Vacant
208 Portland Typographical Credit Union 222-5377
209 Hurley Nancy Studio artist 222-2188
210 Leopold & Ray adv 295-1918
213 Dodge Steve Writing & Ad Design 295-2603
218 Craftsman Lithoplate Inc lithographic trade shop 228-4018
221 Erickson Karl E coml artist 222-1452
124 Schultz-Wack-Weir Inc prntr & litho 221-0050
Photo Type America West typesetting 221-1799
125 West Side Auto Service 228-3771
136 Fuller's Restaurant Inc 222-5608
NW DAVIS ST INTERSECTS
223 R C I Realty Ltd 248-1931
Investment Auto Ltd 242-1063
NW EVERETT ST INTERSECTS
315 Dehen Knitting Inc (Addl Sp)
338 Peter's Office Supply Co 228-6357
NW FLANDERS ST INTERSECTS
403 Northwest Hotel Supply Co 224-3420
410 Wong Paul H 223-1918
420 All Metal Fabricators sht mtl 222-5850
431 A & F Auto Service 227-6227
NW GLISAN ST INTERSECTS
509 A S E Supply Inc (Addl Sp)
510 Northwest Bookbinding Co 228-6113
515 Commercial Furnishing Inc (Whse)
530 Northwest Bookbinding (Addl Sp)
NW HOYT ST INTERSECTS
NW IRVING ST INTERSECTS
NW JOHNSON ST INTERSECTS
832 Oregon Bk The (Sup Whse)
NW LOVEJOY ST INTERSECTS
1105 Burlington Northern Inc (Locomotive Dept)
1300 Portland Terminal Railroad Co (YDS) 227-3355

938

9TH AV SE —FROM 901 E BURNSIDE ST SOUTH

ZIP CODE 97214
SE ANKENY ST INTERSECTS
103 Ankeny Court Apartments 231-4052
103a No Return
103b Vacant
105a★Humphrey P 231-4052
105b Hansen Terry 233-7023
107a Foster Steven D 239-5831
107b★Roach Charlene F
109 Morlan Judith 232-7815
115 Vacant
133 Vacant
SE ASH ST INTERSECTS
215 Church Of Scientology The 231-0091
Dianetic Center personal counseling 231-0091
SANDY BLVD INTERSECTS
PINE ST INTERSECTS
OAK ST INTERSECTS
425 C M E Printers printing 234-1987
432 Harold'a Auto Serv 231-0417
SE STARK ST INTERSECTS
523 Hammack & Associates food brokers 234-6467
526 Thoen Truck Rentals truck rentals 239-4363
SE WASHINGTON ST INTERSECTS
606 Careco htg & air conditioning 230-1216
SE ALDER ST INTERSECTS
725 Distributors Warehouse automotive parts whol 233-5436
730 Genuine Parts Co auto parts & accessories 233-2533
733 Distributors Warehouse 234-5084
740 Publicity Providers Inc adv counselors 234-0501

936

SE MORRISON ST INTERSECTS
SE BELMONT ST INTERSECTS
930 Tri County Produce Inc 236-4101
SE YAMHILL ST INTERSECTS
1005 Vacant
1015 Vacant
1035 Dasic International Corp chem mfrs 238-0399
Custom Stamping & Mfg (Admn Ofc) 238-3700
Fastener Supply Inc whse 238-3708
Sign Up Corp sign stands mfrs 238-3732
SE TAYLOR ST INTERSECTS
SE SALMON ST INTERSECTS
1240 Truck & Trailer Specialties Inc 239-9899
SE MAIN ST INTERSECTS
1313 Trebly Garry L 231-0257
1315 Vacant
1325 Unique Plastics Co 231-9697
1340 Custom Stamping & Mfg Co 238-3700
East Side Tool & Die Co 238-3700

240

SE HAWTHORNE BLVD INTERSECTS
1510 Union Gospel Mission (Salvage Pick U'p Dept) 235-5678
Union Gospel Mission (Youth Center)
STREET CONTINUED
1535 Billings & Cronn Co plstr contr 235-2131
Ceiling Systems Inc acoustical contr 234-9515
Merit Building Specialists
SE CLAY ST INTERSECTS
SE MARKET ST INTERSECTS
1733 Battleship Oregon Post & Aux No 1478 (VFW)
Multnomah County Council (V F W)
Oregon Rose Royal Neighbors No 1881 meets
Portland Pup Tent Post (M O C No 1) org-misc
Post No 907 Auxiliary (VFW)
Post No 907 (VFW)
World War Post Memorial Building
1750 Morehouse Glass Co 235-6641
SE MILL ST INTERSECTS
1821 Vacant
ZIP CODE 97222
1835 Vacant
SE STEPHENS ST INTERSECTS
1926 Cash & Carry Appliance Co sls & serv 239-8075
SE HARRISON ST INTERSECTS
2014 Krupp Industrial Electric Inc elec mtr repr 232-6141
2029 Interstate Brass Foundry Inc 234-4211
2035 Vacant
2037 Elphic Leroy

933

SE LINCOLN ST INTERSECTS
2104 Diversified Parts appl parts whol & ret 236-6140
2105 Western Engineers Inc refrigeration sls & serv 235-3193
Industrial Refrigeration & Equipment Co 231-4831
2114 Mc Cormick Mechanical Inc coml htg & air condt instal 235-8521
2120 Magnaflux Company quality control insp 233-9682
2134 A-1 Linoleum linoleum sls
SE GRANT ST INTERSECTS
SE SHERMAN ST INTERSECTS
2305 Clarke Electronics Co telev parts mfrs 236-4116
2314 Pony Express Courier Corp (Repr Shop)
2336 Willamette Pattern Works Inc 232-0793
2337 Vacant
SE CARUTHERS ST INTERSECTS
2416 Frost Andrea K ◎ 239-5182
2422 Bocci Rose Mrs ◎ 236-9024
SP CO TRACKS CROSS
SE DIVISION ST INTERSECTS
SE DIVISION PL INTERSECTS
SE TAGGART ST INTERSECTS
ZIP CODE 97202
2801 Bean Johnny Machinery Co sls woodwork mach 234-8481
2808 Irwin-Hodson Metal & Crown Mfg Corp 234-6513
2838 Irwin-Hodson Co The prntrs & lithographers 231-9990
2855 Pacific Northwest Bell (Record Center) 242-5221

SE HAWTHORNE BLVD 1985

100 S.W. Market, P.O. Box 1271, Portland, Oregon 97207, Phone 225-5221
District Offices in Eugene, Coos Bay/North Bend, Medford, Pendleton, Salem, Vancouver

NE HASSALO ST—Contd
6934 Horvath Craig S 255-9364
6935 Van Cleave Rhue D ©
6951 No Return
NE 70TH AV INTERSECTS
7006 Lee Ruth A © 257-7132
7018 Stickel Norman H © 252-0682
7026 Vacant
Rudd T G © 255-4315
7034 Rockwood Edw F Jr © 255-9446
7035 Vacant
7046★Rathbone Suzanna
7054 David Curt A 254-4425
NE 71ST AV INTERSECTS
NE 72D AV INTERSECTS
7208★Frazier Dan L 255-6324
7219 Cain James H 255-6679
NE 74TH AV INTERSECTS
7404★Lehman J Tom 257-9756
7407 Van Wyk Doris E 252-5186
7408 Weaver M C © 254-8109
7420 Allen Joyce

30

NE 82D AV INTERSECTS
ZIP CODE 97220
8220★Rau F Boyd 254-2002
8222★Wright Jay E 257-3575
8224 Bollman W
8225 Burchett Viola Mrs 253-3553
8226★Mannix Gloria
8231 Mc Creery Donna M doll fashions mfr 252-4215
8233★Burrell C L 252-5470
8235 Vacant
8238 Jones Harold L © 254-3365
8243 Mc Creery Leslie A © 255-9010
8255 Ishmael John
8256 Wilson James K © 253-9183
8300 Snyder Wm C © 255-6604
8301★Snyder Steve 254-9361
8311 Cumley Earl W © 254-9997
8312 Fatheree Dorothy M Mrs © 253-9717
8321 Crose Gordon H 252-6947
8324 Witkowski John © 254-0240
8333 Altig Arnold C © 253-8640
8334★Finn Stanley J 256-1147
8350★Goodwin Theo 253-2586
NE 84TH AV INTERSECTS
8413 Reyom Robt C © 252-9139
8424 Rauschert Dennis © 254-8372
8433★Degeratedt Neil © 257-6507
8434 Tooze Francis F © 252-3290
8505 Erickson Wilmer G © 257-6302
8506★Koontz Harrison B © 255-8503
8515 French Guersant J © 254-8242
8516★Heaton Robt L 255-2169
8526 Fleming Edw
8527★Shepherd John L pntr 256-0340
8536 Connel Leon H © 252-0857
8541 Le Febvre Larry J © 255-5163
8544 Lofgren Max B 254-7145
8605 Vernon Florence I Mrs © 253-7383
8615 Ruvensky Sidney M © 253-7208
8620 Nelson Clifford E © 252-1113
8625★Le Nha 255-9588
8630 Naganuma Saml S © 254-4936
8635 Bruce Alama B Mrs © 254-6361
NE 87TH AV INTERSECTS
8715 Gateway Colonial Village apts 254-2237
No Return
8716 Ademson Emma L Mrs © 253-2476
8717★Drain S J 253-9039
8722 Schray Agnes L Mrs © 252-0700
8723 Vacant
8725★Quinn Dorian 255-6130
8726 Miller Ruby E Mrs © 252-7742
8731 De Moss J
8732 Wilde Jack E © 254-7040
8733★Brennan Michl 257-3643
8802★Herd Marie 234-6837
8804 Matlack Irene © 255-8839
8805★Crothers Chris 253-0104
8806 Balzer Verna A © 255-8963
8808 Lidstrom T E 252-6690
8830 Metcalf Ruth S Mrs © 254-3076
8832 Monroe Lorraine © 256-9677
8834 Jackson Virginia H ©
8836 Galley Margt G
90TH AV INTERSECTS
9008 Lu Don Apartments 254-2674
A★Brown Bruce
B★Nelson Dale 252-6463
C★Nguyen Giao 255-5401
D★Wallace Danl
E Morris Rod 252-1836
F Sutherland Geo H 254-1192
G★Gunter Howard 254-2674
H★Lewis Howard 255-4360
J★Dunn Jas 252-8780
K Bowen Walter 253-2526
L★Nguyen Lam 257-6162
M★Truong Pien 257-7198
N Featheringill Eldon 256-9525
O★Copeland Jas R 257-6568
P★Stabbert Gary 253-1870
Q★Bidowski Bill 254-6403
R★Hiatt Beverly J 254-1473
S★Mills Laupele
9110 Multnomah Manor Apartments 253-6351
101 Vacant
102 Meaders Danl L 253-1823
103★Studders Barbara
104 Young James 254-9060
105 Torland Coleen B Mrs 254-8937
106★Richardson Steph R 252-3995
107★Hood Gary A 254-9912
108 Schrenk Viki L Mrs 256-1580
109 Cline Marie M 253-9405
110★Brooks Kyle 252-7512
111★Wagner Mark E 254-6294
112★Norwood Doug 257-7530
113 Schollenberg Edw 253-8153
114 Peterson Vivian B Mrs 252-2153
115★Brown M Sue 254-7551
116★Rear Steve 257-8312
117 Price Alimayu
118 Brown Curtis 252-4614
119★Brewer Danl
120★Brewer Paul D 253-2819
121★Frazier Ronald
122★Quins David
123 Hoogberg Ed 253-2683
124 Schuch Steven 257-9322
125★Arrambide Michelle 254-8067
126 Severs Frank J Rev 255-9890
127 Morris Donald 253-6351
201★Ross Scott C 254-6285
202 Corbett Jeanne Mrs 255-2252
203★Mc Avoy Callie 252-8568
204★Smith Ronald C 255-5076
205★Requadt Thos C 257-8317
206 Smith Kathy
207 Johnson Alvin C 257-6213
208★Baugh Jas E 253-8104
209★Christopherson Dixie
210★Burg Steven P 252-0526
211★Schneider Rex 252-4390
212 Foote Leonard 255-6984
213★Des Vernine John G 257-0650
214★Shufflebarger Carl E 257-8385
215★Cox Kathy
216 Mc Corkle Helen 255-2958
217★Micheau Michelle
218★Carrico Timothy A 253-8138
219 Hildenbrand David 254-2069
220 No Return
221 Rich Marjorie
222 Younts Linda Mrs
223 Mc Queary Wendy Mrs
224★Milton Guy 257-6913
225 Nordstrom Eva M Mrs 254-4715
226★Powell Lance G 257-6123
227 Robinson Thos A 256-4820

91

HAVEN AV N —FROM 4925 N WILLAMETTE BLVD NORTH

ZIP CODE 97203
6733★Kuch Elmer 285-3826
6738 Mac Donald Doris H Mrs © 289-2941
N HARVARD ST INTERSECTS
6808 Wilson Ernest D © 289-2839
6814 Rowley Margt F 289-7343
6817 Hughes Martha M Mrs ©
6830★Price Richd J 283-5665
6840★Goeman Mike A 289-6035
YALE ST INTERSECTS
6928 Bader Florence
6929 Webb Ralph E © 289-6573
6941 Expert Building Maintenance Contractors 287-5630
Widows Wm E © 285-9740
Denver-Oregon Co 283-6051
N AMHERST ST INTERSECTS
7012 Kesterson Melvin L © 289-3739
7019 Whitt Lloyd R
7037 Hall Richd D © 289-6994
N PRINCETON ST INTERSECTS
7108 West Tom 289-2720
N BUTLER ST INTERSECTS
7148 Miller Cecelia I Mrs ©
7156★Kleve Bonnie A
N SYRACUSE ST INTERSECTS
7210★Pollard Gary L 283-4381
7224 Petersen Donald J © 289-3381
7232 Reischman Robt R © 283-1732
7235 Stewart Thos B © 285-6768
N DEPAUW ST INTERSECTS
N OBERLIN ST INTERSECTS
7414 Shanahan Arnold F © 289-0019
7430 Powell Dorothy M Mrs © 285-4976
7434 Pollock Christopher A © 285-5993
7440★Garcia Lisa ©
7446 Miller Dwight © 289-2251
N BOWDOIN ST INTERSECTS
7454 Woods R L 283-3947
★Christie B A
★Jackson A
3★Rittar M 283-5907
7459 Haven Bible Church 285-1811
7460 Davis M D 285-1427
7468 Behner D R 283-9691
★Backus L
★Reed Wm C 285-3592
7472★Reed Laura
★King Jas D 289-7746
7477 Haven Bible Ch (Annex)

113

N LOMBARD ST INTERSECTS
7519 No Return
N VANDERBILT ST INTERSECTS
7709★Walter Jeffrey J 285-6573
7805★Thompson Floyd A 289-4392
7816 Cardarelli James A © 289-2277
7817★Holland Connie I ©
N GIRARD ST INTERSECTS
8001 Mc Williams Raymond L © 289-8178
8004 Wright David D © 289-2149
8105 No Return
N DREW ST INTERSECTS
8110 Sutherland Leslie H © 285-7279
8116 Asanovic Robt M scrap mtls dlr © 289-7798
8117 Edwardson Maurice E © 285-3700
8120★Mills Linda L 283-3634
8123★Oviatt Larry R © 283-2622
8136 Aupperle Helen M Mrs © 289-4029
8137 Payne Evon J Jr 285-9022
8143 Davidson Wm S © 289-5262
8148 No Return
8155 Stewart Belinda
8171 Gregory Alf S © 289-0895
8172 Foley Thos ©
N WILLIS BLVD INTERSECTS
8404 Wilson Annie B Mrs © 285-1274
8414★Chamberlin Donald R
8500 Bleth Harry M 289-7481
8510 Bergman Winnie Mrs © 289-8088
8604 Shaw Jack © 283-9413
8624 Dougherty Jerry L
N HUNT ST INTERSECTS
8705 Couture Raymond E ©
8711 Huntley Wilber 289-0732
8723 Erhardt Russell A ©
8736★Espinoza Rupert
8805 Wilder Ronald T 289-9023
8806★Berray Lillie M © 286-0286
8812 Vacant
8815★Stagner H L
8827 Smith Shirley W Mrs © 289-8563
8835 Kral Michl E © 283-0982
8836 Tennant Geo A © 289-8480

133

N HOUGHTON ST INTERSECTS
8901 Clark Richd ©
8911★Meyer Ted © 289-7602
8931 Bishop Lillian H Mrs © 289-0835
8939 Kostrzewski Clyde E © 285-1674
8955 Vacant
8963 Hoke John E © 289-1475
8977★Fine Way 286-0305
N HUDSON ST INTERSECTS
9023 Vacant
9035 Vacant
N TRENTON ST INTERSECTS

236

HAWTHORNE BLVD SE —FROM THE EAST END OF MADISON STREET BRIDGE EAST

ZIP CODE 97214
SE WATER AV INTERSECTS
43 Vacant
SE 1ST AV INTERSECTS
S P TRACK CROSSES
103 A M J Pacific Co 231-7671
105 Dennis Uniform Mfg Co (Ret Dept) 234-7431
135 Dennis Uniform Mfg Co 238-7123
SE 2D AV INTERSECTS
208 Most Western Secondary Marketing Servs used ofc equip ret 238-4721
SE 3D AV INTERSECTS
307 Beaver Sales Co 232-3107
SE UNION AV INTERSECTS
426 Vacant
430 Vacant
432 Vacant
438 Vacant

936

SE GRAND AV INTERSECTS
501 Under Construction
SE 6TH AV INTERSECTS
636 O E C O Corp (Whse)
SE 7TH AV INTERSECTS
700 Hawthorne Advertising & Graphics Inc prntg 231-1360
711 Oregon Parts Co truck wreckers & parts 236-2155
712 Oeco Corp electronic equip & sups 238-2400
727 O E C O (Plant No 6) 238-2400
SE 8TH AV INTERSECTS
800 Oeco Corp (Addl Sp)
801 Oeco
828 Oeco Corp (Stge)
835 Oeco Corp (Purch Dept) 238-2456
SE 9TH AV INTERSECTS
900 U G M Industries 231-1663
901 Northwest Printing Co 232-8463
915 Mc Donald & Wetle roof & sheet mtl contrs 234-0346
917 Vacant
923 Chown Electric Supply whol elec sups 233-8035
935 Abco Supply hotel restr supe 238-4618

232

SE 10TH AV INTERSECTS
1001 Miller's Truck Parts & Equipment Co whse
1006 Vacant
1008 Dino's Inn tavern 232-9516
1016 Portland Transmission Warehouse whol 233-4966
1025 Bradshaw Auto Service 235-4156
1040 Portland Transmission Parts 235-3189
SE 11TH AV INTERSECTS
1140 Mc Mahan's Furniture Store 234-7311
SE 12TH AV INTERSECTS
SE LADD AV INTERSECTS
1212 Winchell's Donut House 238-9401
1237 Larry's Arco Service Station 238-9222
1240 Poust K A 232-4284
SE 13TH AV INTERSECTS
1309 M-B Motors Inc auto repr 231-0444
1310 Power Line Constn (Stge)
1318 Vacant
1322 Delta Electric Co constn 234-4328
1330 Golden Loaf Bakery 231-9758
1334 Golden Loaf Bakery & Deli 231-9758
SE MAPLE AV INTERSECTS
1335 Fish Emergency Service Inc social services 233-5533
SE 14TH AV INTERSECTS
1415 Vacant
1423 Vacant
1426 Junior Achievement-Columbia Empire Inc bus ed youth 238-6430
1429 Michele Beauty Salon 232-6370
1435 Ebisu Imports grocery & gifts 233-1416
1442 Willamette Traffic Bureau (Storage)
1444 Oragon Draymen & Warehousemens Association 236-1183
Willamette Traffic Bureau Inc 236-1183
Willamette Tariff Bureau Inc 236-1183
1446 Diskbench The comp repr serv 238-2421
SE 15TH AV INTERSECTS
1500 Apartments
1★Mc Konly Richard P ©
2★Mc Konly David
3 Abramowitz Danl
4 Vacant
5 No Return
6 Carlson Ted
7★Mc Konly Patrick
8 Lizas Lawrence
9 Vagna Sam
10 Gardner Dennis
STREET CONTINUED
1512 Fifteen Twelve Apartments The 239-9965
1 Hawthorne R Mrs 235-2909
2★Anderson W L
3 Ardeel Wm 239-9965
4 Williams Richd 239-8591
5 Vacant
6 Swan J L
1515 Auto Battery Electric sls & servs 238-0888
1526 Hawthorne Apartments
1★Mc Allister Steven O
2★Wear David
3★Billings Dave
4★Martin Sue
5 Jones Robt Lee
6 Crader Patric
7★Lukrofka John
8★Mc Entee Jason 235-0008
9 Walsh Marge 236-3087
10★Hayltya Sheril M 234-3454
11★Bonura Allen 235-2051
1529 Aberdeen Apartments
1★Faulkner Doug
3★Day Katherine L
4 Denton Frank
5★Goodman J R 236-5289
100★Morris Alec
101★Davis Karen
102★Trjuillo Augustine
103★Rose Linda
104★Mitchell Diane
105★Mc Cully James V 232-8758
201★Saber Bahram 233-8086
202★Edwards Thomas R 236-5636
203★Sternberg Christopher L 236-1248
204★Weinston Marcia E 239-4367
205★Hasilton Randy
206 Vacant
1544 Volunteers Of America-Shelter Program girl's home 234-9211

230

TP	Adjoining	Source
-	✓	R. L. Polk and Co. Publishers

SE MADISON ST 1985

DATA & START SERVICE COMPANY
Contractors Bonding and Insurance Company
Contractor's Weekly • Northwest Plan Centers • Estimates, I
801 S.E. OAK ST., SUITE 208, 97214
P.O. BOX 12053 • Portland, OR 97212
TEL. (5
OREGON WATS TEL. 1-8

D&S
EXHAUST SPECIALTIES & PARTS INC.
INSTALLED WHILE YOU WAIT
DOWNTOWN PORTLAND
700 S.E. BELMONT
TEL 233-5151
BEAVERTON
13705 S.W. CANYON RD
TEL 644-2171
MILWAUKIE
10799 S.E. McLOUGHLIN
TEL 652-1800

NW MACLEAY BLVD—Contd
254 Vacant
NW BEUHLA VISTA TER INTERSECTS
256 Neal Lloyd ⊛
NW BEUHLA VISTA TER INTERSECTS
282 Stocks Chester L ⊛ 228-1409
294 Luedders Jerry D ⊛
NW ALBEMARLE TER INTERSECTS

23

NW MAYWOOD RD INTERSECTS
NW ALBERMARLE TER INTERSECTS
334 Crull Orville R 228-2209
344 Miers Patricia L Mrs ⊛
364 Kershner Joe D ⊛ 227-7137
374 Sechser James A ⊛ 223-8758
380★Vilhauer Daryl ⊛
NW LOMITA TER INTERSECTS
502★Hilliard Brian 227-5357
506 Goodrum Jeanette Mrs ⊛
510 Taylor N Kirk ⊛ 227-7341
NW ALPINE TER INTERSECTS
520 Taylor Berniece Mrs ⊛ 223-5408
584 Muckle Dean G 222-5284
NW HERMOSA BLVD INTERSECTS
604 Hedges F Robt ⊛ 223-2572
614★Cohen Ross D 223-8260
622 Roberts Arth L ⊛ 227-7298
628 Sherwin Robt M ⊛ 223-3718
636 Waters Roger F ⊛ 228-0632
650 Ammons Tom C ⊛
700 Harris Leonard A ⊛ 223-6434
702 Weikel Ann ⊛ 224-5774
NW WARRENTON TER INTERSECTS

93

MACRUM AV N —FROM 6440 N WILLAMETTE BLVD NORTH

ZIP CODE 97203
6805 Tuttle Ruth Mrs ⊛ 286-4718
6825 Bishop Roy ⊛ 286-8036
6837★Davidson R 283-1278
6839★Howe Mary J 283-5524
N YALE INTERSECTS
6907 No Return
6917 Faria Eug O ⊛ 286-0242
6920 No Return
6925 Mac Donald Marc W ⊛ 286-3780
6931 O'Connor Patricia J Mrs 286-9275
6939 Skinner John L ⊛
6940 Collar Arth J ⊛ 286-5994
6949★Morton S C 283-0143
N AMHERST INTERSECTS
7036 Buckley Jas B ⊛
7039 Partridge Gary L ⊛

111

N PRINCETON ST INTERSECTS
7105 Strong Harvey L 285-6431
7115 Kirkendall David E ⊛
7126 Fredricks Kenneth ⊛
7127★Clark Pete
7139 Mc Laughlin Fie ⊛ 286-8133
7140 Slossar Steph A ⊛ 286-4142
7149★Smith K W ⊛ 289-4408
7152 Miller Gary A 289-1363
N SYRACUSE ST INTERSECTS
7203★Garry Paul 285-0522
7204 Gill Joseph ⊛
7215★Urla Terry 289-7158
7218 Literski Sam ⊛ 286-8169
7223★Morgan Debra M 289-1142
7230 Thayer Dennis A ⊛
7233 Estepp Wm L ⊛
7240 Freauff Wm ⊛ 286-8149
7245 Landtiser Geary F 286-9670
7248 Bonagofski Joseph ⊛ 286-3829
7307 Filler Jeffrey L ⊛
7308 Sanders Larry E ⊛
7319 No Return
7320 Boles Glenn E ⊛ 286-0415
7330 Dyball Wm M 286-0727
7331 Shields Archie J ⊛ 286-3985
7340 Foles Lloyd E ⊛ 286-9782
7341 Kalinowski Agnes J ⊛
N OBERLIN ST INTERSECTS
7422 Thun Darrell D 286-2297
7426 Campbell Wm J ⊛ 286-5955
7434 Moffitt Kenneth J 286-2149
7442★Duncan Robt C 285-9469
7444 Thomas Corrine Mrs
7454 Derfler Donald D
N LOMBARD ST INTERSECTS

137

N HOUGHTON ST INTERSECTS
9215 Hall Charlie L ⊛ 286-1069
9317 England Marvin L ⊛ 286-3247
N SENECA ST INTERSECTS
9418 Calvert John H landscape contr ⊛ 286-3301
9468 Tele Tronics Home Furnishings (Whse) 283-1362
N FESSENDEN ST INTERSECTS
9503★Britton Dorothy M
9505★Hutzkal David 283-3662
9507★Scarth John M 286-5069
9509★Basham Betty

N POWERS ST INTERSECTS
COLUMBIA WY INTERSECTS
9822 Ludtke Glenn W ⊛ 286-6167
9825 Doane Neil E ⊛ 286-0762
9834 Sallee Raymond Jr 286-4191
N MEARS ST INTERSECTS
9907 Ryerson Richd A ⊛ 286-0951
9955 Grieme Bernice S 286-0516

143

N COLUMBIA BLVD INTERSECTS
10015 Nystrom Ted ⊛ 286-0896
10016★Sprague Bette A
10035 Case Claude N Jr ⊛ 286-0520
10040 Dudder Charles R 286-9753
N ASTOR INTERSECTS
10105 Eggen Karin Mrs ⊛ 286-4562
10110 Thibadeau Laurence E ⊛
10125 Spokley Arlie ⊛ 286-4866
10126★King Kermit E 286-0043
N BANK ST INTERSECTS
10227 Wolff Heniz H ⊛ 286-9858
10405 Valley Mill Co 286-0651
N ARMOUR ST INTERSECTS
N SWIFT ST INTERSECTS
10505 Chapman Chemical Co adhesive mfg 286-9639
COLUMBIA SLOUGH INTERSECTS
10580 Columbia Steel Factories
10590 Columbia Steel Factories

236

MADISON ST SE —FROM WILLAMETTE RIVER EAST 1 NORTH OF SE HAWTHORNE BLVD

ZIP CODE 97214
5 City Fire Bur (Engine No 7) 232-4803
SE WATER AV INTERSECTS
80 Mc Dowell Bag Co Inc mfrs 234-6624
SE 1ST AV INTERSECTS
S P TRACK CROSSES
111 Ash Grove Cement West Inc mfrs 232-3116
133 Insulation Contracting Co 236-2532
134 Dennis Uniform Mfg Co (Addl Sp)
SE 2D AV INTERSECTS
211 Portland Paper Box Co (Whse)
221 Vacant
226 Portland Paper Box Co mfg 233-6271
239 Blue Cross & Blue Shield Of Oregon whse
SE 3D AV INTERSECTS
316 Engine Specialty Warehouse parts whse 232-9028
SE UNION AV INTERSECTS
419 Vacant

936

SE GRAND AV INTERSECTS
521 Rindler Display & Fixture Center Of Or 230-0402
SE 6TH AV INTERSECTS
606 Vacant
617 Automotive Specialists (Paint Shop)
SE 7TH AV INTERSECTS
710 Oregon Parts Co (SHOP) 236-2155
SE 8TH AV INTERSECTS
SE 9TH AV INTERSECTS
940 Miller's Truck Parts & Equipment Inc 236-1111

232

SE 10TH AV INTERSECTS
SE 11TH AV INTERSECTS
1120 May W L & Co appl parts-whol 231-7000
Test Tools Inc 231-4860
1125 Oregon State Grange 236-1118
Rooms
102 Grange Mutual Insurance Co c p c u prop ins sls 234-9669
103 Grange Insurance Assn claims ofc 234-0391
103 Rocky Mountain Fire & Casualty Co claims ofc 234-0391
200 Builders Exchange Co-Operative plan ctr blueprints 234-0281
201 Grange Insurance Association ins mktg 234-6546
201 Rocky Mountain Fire & Casualty Co ins marketing 234-6546
100 State Grange Office
SE 12TH AV INTERSECTS
1212 Auto Fabs (Storage)
1221 Madison Building
Van Beek & Co cpas 232-2106
Spectrum Computer Services data process servs 239-8909
1222 No Return
1225 Vacant
1236 Madison Apartments
1 Hobes Greg
2 Nelson Richd
3 Lovelace Thos
4 No Return
5 Yarabough Richd
6 No Return
7 No Return
SE 13TH AV INTERSECTS
1303 Vacant
A Williams Earl 235-1102
STREET CONTINUED
1305★Clenowith L J 236-3620
1315 Harris Lauren W ⊛ 232-7309
1316 Vacant
1318★Rakowitz John A 233-7120
1★Wolfe Steven T 235-2426
2 No Return
1323 Lane Edna G Mrs ⊛ 234-9178
1331 Doyle Sean 234-2733
1333 Askew Thos R ⊛ 233-2668
SE 14TH AV INTERSECTS
1404 Apartments
1★Brockway Brook 233-6145
2 Burford Enterprises 239-5227
3★Wood Allen N 236-6308
4 Rosen Bruce A
5★Donahue Ichael
6★Webber L
STREET CONTINUED
1412 Autumn Earth Landscaping 232-6931
Schak Loren
1413 Blanco John 235-4546
1425★Palmer Steven 235-0839
1428 Oregon Halfway House
SE 15TH AV INTERSECTS
1504 La Salle Apartments
2★Margeta John
10 Kent
12★Small Kevin D 234-2030
14 Margeta
16 Long
18★Malone
22 Hoffman
24 Slagel C
26 Patenode
28★Duggan Michl 236-5322
32★Lambert M Carolyn
34★Dwyer J E 236-9800
36★Hasenberg Eric 230-8832
38 Groves
STREET CONTINUED
1505 Hall Dorothy I Mrs 233-9092
1507 Cardona Luis A 236-6760
1512 Bess Howard A ⊛
1517 No Return
1522 Winter B 239-4255
1524★Carrayn M D 235-0418
1525 Fitzgerald Geo W ⊛ 232-8609
1537★White K L ⊛ 233-0085

230

SE 16TH AV INTERSECTS
1624★Howland Cheryl
1625 Paskett Apartments
1 Wood Wm 239-6549
2★Farren Dennis
3 Petty Jeffery S
4★Quinn Michl
5★Fujinga Wayne
1635 Apartments
1 Leza
2 Greathouse Eunice C 233-1625
3★Clark Stephen G
4★Crawford Donald
SE 17TH AV INTERSECTS
1717 Weaver Wm E ⊛ 234-1960
1722 Third Church Of Christ Scientist 232-5604
1727 Apartments
1 Rice
2★Hanna Saml
3★Henderson T D
4★Stevens K
5★Horn P
1735 Apartments
1 Cox Clarence D 235-5110
2★Hubbard D M 230-9285
3 No Return
4★Findling H O
SE 18TH AV INTERSECTS
1804 Hicks David B 232-5470
1806 Isaac Management 231-7227
1814 Apartments
A★Ashton Jay C 235-1062
B★Hansen Wm C
C★Patten J
D★Mc Curtis G W 231-0503
STREET CONTINUED
1824 Madorsky Susan ⊛ 235-3071
1831 Neighborhood Church Assembly Of God (Teen Center)
1834 Chern Thos Y ⊛ 235-7224
SE 19TH AV INTERSECTS
1909 Colonial Apartments 232-0727
1★Ternes Ann
2★Ngyen T V
3★Groskopf D 233-2741
4★Marsh R
5★Rickey Steven R
6 Eberlein Norman F 231-9378
7★Tobras J
8★Gora C
9★Durrett G
10★Reeves R
12★Green Paul A 238-1123
1932 Madison House (Neighborhood Church Annex)
SE 20TH AV INTERSECTS
2000 Craftsman Label Inc 232-4171
2023 Highland Terrace Apartments 233-1148
1★Weinman Don 233-1148
2 No Return
3 No Return
4★Swanberg R C
5 Henderson A E 236-7329
2027 Apartments
6★Mc Leon Evans T III 235-6174
7★Roberts Jon M 231-0826
8★Peterson D L 238-6231
9 No Return
10★Nelson P J 231-0784
STREET CONTINUED
2028 Vacant
2030 Vacant
2036 No Return
2038 Apartments
1★Hendrickson Kathy
2★Jackson Lauren 231-5758
3★Rutheford S L
4 No Return
5 Langley Kath
2045 Apartments
11★Hong Ann Mrs
12★Cosgrone L 232-5782
13 Vacant
14★Kirurn Rose M 234-4159
15 No Return
2048 Monterey Apartments
Fink Geo W 231-7603
2049 Apartments
17 Bosco Lucille M
18★Seymore Bill 239-4913
19 No Return
20★Jones Allen D
2050 Roberson Ada M 232-9773
16★Booker D B 231-1506
2052 Vacant
2054 Sims Archie L
2056 Vandermeer Gladys M 236-1506
2058 Goin L F 231-7591
2060 Axtell James L 233-9732
2062★Mc Cuchren Joan A
2064 Vacant
2066 No Return
2068 Vacant
2070 Smith Kelly 239-0119
2111 Vacant
2114★Meyer Dolores
Studer Johanna 236-2008
2125 Madison Manor residential care 234-2400
★Strong Murphy
2126 Tri Phan Quoc 233-8203
2133 Madison Manor (Addl Sp)
2135 No Return
2136 Holzman Donald R ⊛ 232-8862
2145★Nudo Carolyn 230-9417
Cox James M 234-3748
Uhlein M
SE 22D AV INTERSECTS
2203★Steele Heidi
Todd Laune
2205★Riley P 231-3746
2117 Kauffman Jeffrey M 236-9732
2217 Barker Dan S 232-2445
Stowell Matthew
Mulvahill Tara
2227 Apartments
1★Garza Katharine
2★Wier Vicki
3★Marcil Michl
4 Robinette Michl
5 Sturken Nancy E 233-1307
6 Shank Steven B 232-8490
7★Shepard Karen L
2233 No Return
2238 Robison Apartments 232-9302
1 Sato Ayako Mrs 231-7546
2 No Return
3 Iorio L
4 Miller Helen E 233-6861
5 Murazen Yone Mrs 234-2958
6 Carlisle E 235-9037
7★Kellar D
8 Mohomed S
9★Grag M
10 Mizukata T
11 Kayama Giichi 235-4703
12 David D

234

SE 23D AV INTERSECTS
2311 Vacant
2312 Worden G J 234-2218
2315★Ramey M F 236-3843
2316 No Return
2317★Hunter David W 231-8021
2323 Vacant
2324★Martin Eric 236-9642
2325 Vacant
2326★Griswald Barbara J
2329 Schnitzer Minnie Mrs 233-8220
2333 Vacant
2339 No Return
SE 24TH AV INTERSECTS
2405★Roberts Gleanous A
2411★Lindsay Pamela D 233-0018
2414★Croskey Lucretia 233-1375

TP	Adjoining	Source
-	✓	R. L. Polk and Co. Publishers

SE MAIN ST 1985

TEL
Sovereign Gallery
1207 S.W. BROADWAY
TEL. 227-3134
2405 W. BURNSIDE
TOMMY LUKE
TEL. 228-3131
625 S.W. MORRISON

SW MADISON ST—Contd
805★Smith Earnest
806★Doyle Barbara
807★Grady Wendy S
808★Barzee Ronald
809★Stark Ronald H 224-4383
901 No Return
903★Thompson Geoff 223-6361
904★Hallet Nez C III 796-1225
905 Swan Lauralee
906★Richman Jessica 223-9949
907 Muir David 222-7195
908★March Adrienne
909★Lewis Wm
716 Western Imprints publ 222-1741
SW PARK AV INTERSECTS

919

SW PARK AV INTERSECTS
800 Roosevelt Square park

939

SW 17TH AV INTERSECTS
1717 Harris Enterprises Co oil dealers 222-4201
Harris Oil Co 222-4201
Premium Oil Co 222-4201
1729 Forsstrom & Clark's Canoes canoes kayaks duck-stuff 222-5889
1733 Long Ronald L 227-1850
1737a Waitland Michl
1737b Lewis Michl R 224-5834
1743 Gingrich Mickey 224-7665
★Stokke Craig
Miluski Verde
1755 Portland Animal Clinic 228-5256
1776 Union Oil Building
Oregon State Bar 224-4280

149

SW 18TH AV INTERSECTS
1822 Keene Edmund photog 224-4410
1888 Hoffman & Hoffman Inc bldg contr 228-2800
SW 19TH AV INTERSECTS
1903a Vacant
1903b Vacant
1906a Dearborn Tom int designer 223-3374
1906b★Morgan Thos R 222-3545
1906c★Bell Roderick 226-0760
1909a Vacant
1909b★Dyal Jas 223-2769
1914★Kratka Reed 223-4077
1916 Vacant
1917a Will Wm 224-7593
1917b Brandel Judith A Mrs 228-0482
1923 Apartments
2 Strong N E 241-4188
3★Cavagnaro Jas 248-0656
4★Needles B
1924 Park Benj W 223-8296
1926 Johnson Saml E ◎ 223-4772
1927★Gause Susan
SW 20TH AV INTERSECTS
2004 Apartments
1★Yvonnie S J 224-5426
2★Hindman Eliz 241-2564
3★Fletcher Michl L 226-4539
4★Murry Treacy
5★Emel S 295-6697
6 Peterson S L 224-4526
7★Berkenholz G
8 No Return
2011 Paul Wilbur D 241-1399
2018★Holtmann Ferd E ◎ 224-8173
2033 Nicolai Ina Claire Mrs ◎ 222-2033
2042 Apartments
1★Benso P 227-2938
2 Mersereau Jane 223-2518
3★Breedlove M
4★Quaya S

147

SW VISTA AV INTERSECTS
2306 No Return
2314 Sheehy Eliz F Mrs ◎ 223-0630
2328 Kramer Loren ◎ 227-4690
2331 Aldasey Oszkar O ◎ 222-2173
2338 Maletis Marina 228-3000
SW ARDMORE AV INTERSECTS
2350 Shipley Erna Mrs ◎ 223-2042
2355 Gronquist Donald E 223-5205
2362 Montgomery Richd G Jr ◎ 222-4934
2365 Warren Robt C ◎ 223-1806
2368 Maxwell Emily P Mrs ◎ 227-2931
2373 Warren Robt C Jr ◎ 225-0232
2378 Glazer Howard L ◎ 223-0902
2364 Turner Richd J ◎ 223-4733
2390 Otten

174

MADRONA ST NE —FROM 700 NE DEKUM ST NORTHEAST

ZIP CODE 97211
745 Sagnella Anthony R ◎ 285-2057
NE DURHAM AV INTERSECTS
817 Grigsby Brothers Paper Box Manufacturers 285-8341
824 Singh Gyan ◎ 285-1314
834 Penfied Saml ◎ 283-2912
844 Rounds Willie C ◎ 289-1795
854 No Return
NE 8TH AV INTERSECTS
NE BELLEVUE AV INTERSECTS
NE 9TH AV INTERSECTS
1001 No Return
1018 Jordan Lillie M
1032 Loomis Lorelee P 289-0315
1044 Doyle Percy L ◎ 285-0758
1053★Monahan N E 286-4715
1056 Johnson Michl D ◎ 285-1242
1066 No Return
1074 Vacant
1085 Harrington Judith A ◎
NE CLAREMONT AV INTERSECTS
NE 10TH AV INTERSECTS

236

MAIN ST SE —FROM THE RIVER EAST 2 NORTH OF SW HAWTHORNE BLVD

ZIP CODE 97214
SE WATER AV INTERSECTS
60 Vacant
SE 1ST AV INTERSECTS
S P TRACK CROSSES
110 Berg Evans Chain Co Inc 233-1186
119 Vacant
SE 2D AV INTERSECTS
225 Burns Bros Wholesale Tire Warehouse 238-7300
SE 3D AV INTERSECTS
SE UNION AV INTERSECTS

936

SE GRAND AV INTERSECTS
524 Vacant
SE 6TH AV INTERSECTS
611 T & K Products pets sup ret 238-6444
615 U Lock It Self Storage Co 232-5200
626 Broadway Electric Inc contrs 234-6565
SE 7TH AV INTERSECTS
717 Massachusetts Building
SE 8TH AV INTERSECTS
SE 9TH AV INTERSECTS
925 Oregon Roofers Supply Inc 234-0528

232

SE 10TH AV INTERSECTS
1001 Friction Products Mfg Co mfrs 234-5461
1015 Chase Car Care Inc auto body paint & shop 232-9026
1033 Ford Graphics reprographics serv 232-5181
SE 11TH AV INTERSECTS
1105 Millicrosa Litho Inc prntr 235-2108
1120 Grange Bldg (Whse)
SE 12TH AV INTERSECTS
1220 Vacant
1221★Sullivan Catherine N 236-5211
1223★Willingham Wm Jr
1225★Quigley Regan F 232-6794
1230 Vacant
1232 Vacant
1233★Haley K 231-5624
SE 13TH AV INTERSECTS
1304★Masquat E M 232-6751
1305★Finch Jane 236-0333
1306★Cooney T 236-8350
1314 No Return
1315 Grubbs Jimmy
1317★Traegede Sonja 236-4701
1319★Cook Susan
1321 Neumann Gordon M 234-3990
1322★Radic Bertha Mrs
1323★Gilles Timothy C 236-6236
1324 Harris D M 231-7808
1326★Payson S E 238-4073
1327★Strome Darci
1333 Corcoran Mildred R ◎ 232-6685
SE 14TH AV INTERSECTS
1405 Vacant
1414★Naiman Jason S ◎ 231-8312
1415 Jellison Betty ◎ 233-9186
1420 Lu Don Apartments
★Ebert Don 231-9046
1422 Roark Leota J Mrs 235-2564
1424 Oldham Yvonne
1425 Main Street Apartments
1 Lange Randy 236-7747
2 Bloom W
3★Bozanich P A 238-3645
4★Nichols A
5★Paul David P 233-8274
6★Taylor A N
1426 Reames Marie 232-2834
1428 Luong Kiet V 235-6859
1430 Vacant
1432 Collis Gladys 235-6583
1434 Vacant
1436★Hull Frank D 235-6303
1438 Wells Adam
STREET CONTINUED
SE 15TH AV INTERSECTS
1504★Sparks Mark A 230-0522
1506 Hart M Roy
1508 Hankel Christopher
1510★Custer Sheila M 233-7088
1512★Wilson Brian W 231-7460
1514 Tower Sue W 235-4924
1515 Dean Aiko Mrs ◎ 233-8058
1516 Karecki Jean M 235-0747
1518 Wong Gwendolyn S 236-1758
1526 Apartments
1★Conway Kal 231-4018
2 Girardin
3★Passin B 236-2673
4 Walker Margt
1527★Fisher J E ◎ 233-9113
1533 Mageske Charles L ◎ 238-6908
1534 Apartments
1 Peake James O
2 Johnson
3 Miller Guy 230-8924
4 Reeves Dan
5★May Jimmy
6 Mercer Mark

230

SE 16TH AV INTERSECTS
1601 Mantiga Apartments 233-4284
Minaudo Barbara 233-1947
1603★Jacobson Tom
1605★Drane Susan
1607 Bridges Dennis R 236-3294
1609★Nelson Michl
1611 Kavelege Jeff 233-2913
1613★Glechman David
1615★Grossness Shirley
★Nelson Janet
1616 No Return
1617★Schmidt David
1619★Dargus Charles
1622 Jewell
1623 Dykeman Marge J Mrs ◎ 233-9395
1624 Jewell G A 239-4796
1631 Dabritz Maryann 234-3851
1633 Wells Mike ◎ 235-3533
1635 Swedberg Eric 233-0336
1637 Herrington Margt 236-5310
SE 17TH AV INTERSECTS
1702★Thoenes Jacob J 230-0501
1704 Stone Larry L 234-2038
Goss Jerry
★Mc Nally Brian
★Phillips Diana
1706 No Return
1707 Martin Jerry W 232-0658
1708 Campbell Gladys 235-1186
1712★Campbell Robt H
1717★Kennedy Wm J
1720 Martinique Apartments 235-2339
1★Flores May
2★Boyce Martin
3 Peterson Kathy L 232-4036
4 Vu Vy
5 Bamer Charles L 235-0784
6 Schauer Frank J 231-0108
7★Henderson Ann
8 Thompson Rick F 233-4082
9★Jones Robt
10★Richards Marquerita
11★Wanvig Ken
1734 Hearing S J 232-1282
1736 Christanos Steph A
SE 18TH AV INTERSECTS
1803★Crisp Linda L 238-8571
1808 Dang Can 236-0300
1812★Stice Rebecca
1815 Apartments
1★Martinez M
2★Crane Tim
3★Radow Michl L 233-2663
4 Johnson N V 235-2316
1819 Maywood Apartments
★Turner Kimberly
1821★Hguyen Haun
1823 Tran Duc C 231-4089
1825 Vacant
1827★Reynolds Sonya
1835 Apartments
1 Van Dyke Carol E
1★Powers A
2 Gould Robt J 232-3904
SE 19TH AV INTERSECTS
1903 Garman Sheryl L
1905 Johnson Wendy
1909★Burns Holly E
1915★Kardziora Gabriela 230-2311
1935 Pepper Tree Apartments 238-1187
1★Zook T 231-8238
2★Piespak Dee 238-5598
3 Chavan Sudha 238-1187
4 Chavan Raghuwel P
5★Constantino Eddy 232-5845
6★Freenwald Herbert
7 Abellera Rodolfo 230-0264
8 Dy Rizaldo B 235-5309
9★Magueno Molly
10 Robinson James
SE 20TH AV INTERSECTS
2010 Vacant
2020 Poole Paul D ◎
2021 Dowling James E ◎ 233-2395
2029 Elliott Robt B ◎ 232-3266
2032 Kurzenberger Carl T
2035 Kyono Asako 234-7836
2037 Buck Lawrence C 235-4856
2040 Vines G 231-2844
2044 Goodwin N A 239-4639
2049★Sobomehik Papo 230-2378
2050★Hollenbeck Joanie 239-0438
2052★Wagner Robt L 236-6714
2101★Lopez Cheryl
2106★Goldware M 233-3687
2108★Erven Jeannie L 238-1674
2110★Reese Elmore Jr 238-3955
2112 Hartman Helen K Mrs 235-5405
2113 Vacant
2115★Woodbury R P 234-5089
2118★Meyers E
2120★Mahan Joe 235-1808
2125 Morthland Wm L ◎
2132★Christensen J L ◎ 231-6355
2134 No Return
2135 Krieger Alex ◎ 232-2253
2143 Willingham Ralph H ◎ 235-3970
2144 Vacant
SE 22D AV INTERSECTS
2202 Breil Mabel M Mrs ◎ 233-3717
2203 Cupp Ruth O Mrs ◎ 232-3374
2212 Hunt Stewart ◎ 232-2849
2213 Doyle Brian ◎ 232-8529
2223 Warde Fred E ◎ 234-1292
2224★Sussman Michl L
2225 Smith Mary F 230-8095
2233 No Return
2237 Vacant
2238 Boileau Lawrence L ◎ 235-0607
2241 Vacant

224

SE 23D AV INTERSECTS
2303 Manchester Apartments The 233-7376
Newton Philip G 234-3720
2304a Fisher Cary 233-1615
2304b Vacant
2304c Miller Dennis J 231-4115
2305★Toyooka Dani L 232-0754
2307★Lee S J 232-2724
2309★Dolring Ruby
2311★Tomeznski Richd 235-9352
2313 No Return
2314★Jacobson Karen C 233-7231
2315 Vacant
2316 Vacant
2317 Vacant
2319★Tobias Michl W 238-1490
2321★Lazarides John V
2322 Tomczynski Richd S 235-7826
2323★Traigde Sonja
2324 Williams Wm T 233-1873
2325 No Return
2334 Rubin Ernest J ◎ 232-2684
2337★Armstrong David 231-1259
No Return
SE 24TH AV INTERSECTS
2402 Wyckoff Christy N 235-5530
2409★Stout J 232-6916
2411 Kudrna Ann L ◎ 234-2185
2416 Traversa Julia Mrs ◎ 232-5956
2419 Watson Lawrence J
2421★Nicolls Robt W 231-5991
2423★Vanorman Kim
2425 Tallent J A 232-6699
2426 Smith Monica A 231-1978
2429★Carr M 236-9853
2432 Vacant
2434★Roemer Benj W 232-4760
2435★Carter Linda J ◎ 231-9544
2438 Papagni Emily G 230-0541
2440 Raymond Virginia 233-2712
2443★Higgins C J 233-9482
2444 Vacant
2447 Stephany Janet A 235-1712
2448 Mc Whorter David G 231-8647
2450★Vinson Donald G
2451★Strunk C L 239-6906
2453★Schulz Diane E 289-7663
SE 25TH AV INTERSECTS
SE 26TH AV INTERSECTS
2624 Bryant Frances L 235-9012
2625 Azahr Court
Centlivre Cecil L 232-7319
2626 Schwanz Bertha M ◎ 236-0522
2627 Edwards Clair W 235-7120
2628 Stark Aileen D 235-2649
2629 Mc Clintic Robt G
2630 No Return
2631★Stebbins Ronald W 231-6482
2632 Vacant
2633 Eaton Margery S Mrs 236-3015
2634★Calvert C 236-9527
2635 Phillips M H Mrs 232-3636
2636 Woznick Mike J 233-4067
2637 Seymour Barbara E
2638 Thornton Elmer L ◎ 236-8050
2639 Rogers Alta M 234-8136
SE 27TH AV INTERSECTS
2702 Bacon Dora M Mrs 233-4118
2703 Vacant
2704 Nelson E
2705 No Return
2706 Steinberg Deirdre K ◎ 232-3085
2708 Girolami Mary 230-2703
2713★Robinson Rick M
2715 Wells Leonard D
2716 No Return
2718 Hall Gordon 234-4131
2723 Berkson Michl A 238-8868
2728 Shannon Apartments
1★Kemp Barbara 235-2408
2★Toth F E
3 Vacant

SE SALMON ST 1985

For Faster Service in Placing Your ad. Use the DIRECT LINE to "Classified" 224-4511

NW ST HELENS RD—Contd
11650 Vacant
11652★Johnson C M 285-4203
11654 Vacant
11656 Vacant
11666 Vacant
11820 Saint Brigitta's Catholic Church
Mikulich Milan Rev 286-3929
11910 Petrotek Inc 286-9831
11920 Trumbull Asphalt asphalt mfgs 283-2767
12160 Pacific Substations 285-9362
G E Barco Inc power equip mfrs 285-2942
NW HARBORTON DR INTERSECTS

101
ST JOHNS AV N —FROM 9635 N EDISON ST NORTH

ZIP CODE 97203
6924 Adams Louise H Mrs ◎ 286-2529
N WILLAMETTE BLVD INTERSECTS
7017 Spanski Blanche L ◎ 286-6601
N SYRACUSE ST INTERSECTS
7201 Smith Larry S 286-3443
N IVANHOE ST INTERSECTS

105
N LOMBARD ST INTERSECTS
N BURGARD ST INTERSECTS
7430 Christian Harbor For Seafarers (meeting hall)
N KELLOGG ST INTERSECTS
7535 Bunker
7536 Thurston Heber W ◎ 286-0986
7545 Charboneau John A ◎ 286-0011
N LEONARD ST INTERSECTS
8019 Carlson Edna L Mrs ◎
8020★Sessions Del ◎ 283-0657
8041★Cleverly Tracy L
N CENTRAL ST INTERSECTS
8524 Householder Robt ◎ 286-2597
8534 Carver Harvey L ◎ 286-3209
8544 Kennedy Lester L ◎
8560 Alexander Richd H ◎ 286-5370
N HUDSON ST INTERSECTS
9008 Hatridge Jack E
9029 No Return

141
N SMITH ST INTERSECTS
N SENECA ST INTERSECTS
9210 Eby Louis B ◎ 286-0741
9220 Hagen D
9238★Drenkhahn T L ◎ 283-1616
9239 Laughlin Ben J ◎ 286-2018
9240 Lind Norman O ◎ 286-4475
9244★Boles Brian
9250 Stueve Stanley C ◎ 286-2589
N JAMES ST INTERSECTS
9310 Tyler Robt L ◎
9319 Pier Park Swimming Pool 240-9016
9320 S O S Appliance Repair
★Sickles David ◎
9330 Feldman Leah E Mrs ◎ 286-2442
9341 Pier Park 286-9016
9342 Chavez Tomas ◎ 286-8423

101
ST LOUIS AV N —FROM 9034 N CRAWFORD ST NORTH

ZIP CODE 97203
6600 Stenno Carbon Co carbon & typewriter sup mfrs 286-8313
N DECATUR AV INTERSECTS
6814 Perry Ralph W ◎ 286-3940
6824 No Return
N EDISON ST INTERSECTS
N WILLAMETTE BLVD INTERSECTS
7017 Barnes Wm L ◎ 286-0470
7028 Crow Floyd B ◎ 286-3257
7037 Love Mildred E Mrs 286-4636
N SYRACUSE ST INTERSECTS
7205 Vacant
7206 Nye Wesley
7215★Kadlec Ralph C 289-4689
7225★Jarrett Robt D 286-4620
7227★Trott Lavern
7229 Walker John
N IVANHOE ST INTERSECTS
7305 No Return
7307★Shepherd Lisa M 289-4746
7309 Carlberg Kim M
7325 Vacant
7330 Seven-Eleven Food Stores 286-4000

105
N LOMBARD ST INTERSECTS
7428 Radford W R 286-1326
7437 Saint Johns Apartments
1 Luke Robin L 289-8307
2★Coleman Jonathan W
3 Vacant
7★Ventura Linda M
8 Martin Wm L
9 Wallander Lynn 286-8410
10★Gesele Ray
N KELLOGG ST INTERSECTS
7508 Pastorino Dorothy ◎
7515★Kieth Warren R
7518 Vacant
7521★Williams Jeanette
7523★Knigge K A ◎ 289-2109
7525 Jones Gregory K 285-0449
7533 Turner Claudia L
7535 Vacant
7537★Marshall Ray S
N LEONARD ST INTERSECTS
8011 Runway Service Co 286-0808
Pierce Rythea Mrs ◎ 286-0808
N CENTRAL ST INTERSECTS
8509 Lee Donna 286-5053
8515 Mc Ginnis Ronald D ◎ 286-9719
8521 Mc Grady Milo D ◎ 286-2615
8522★Walters Jeanette G ◎ 286-2804
8532 Vacant
8539 Miller Ronald J
8549 Campbell Jerry D 286-3923
8550 Wesleyan Church 286-4282
N HUDSON ST INTERSECTS
9003 Burger Wesley M ◎ 286-4523
9008★Seals Ronald J
9015 Baldwin Troy V ◎ 286-4185
9016★Bryant Tony 286-9776
9021★Crawford Sam T 286-4709
9026 Newell Frank
9034 Bown James T ◎ 286-1977
9037 Vacant
9040 Kraft Garth A

141
N SMITH ST INTERSECTS
9212 Hales Harold
9216 Mc Sweyn Malcolm J 286-2538
9220★Evans Thos
9228★Lewis Stephanie
9229 No Return
9230 Morris Johnnie Mrs 283-5666
9232★Rosling Christie
9237★Perez Ray A ◎ 285-0003
9247 Harrison Naomi Mrs ◎ 286-0867
N WINDLE ST INTERSECTS
9306 Vacant
9321 Deloach Bessie Mrs
9343 Pelton Jimmie C ◎ 286-9563
N NEW YORK AV INTERSECTS
9400★Anderson Gale R 285-7213
N SENECA ST INTERSECTS
9405 Harrington Lydia W Mrs ◎ 286-3571
9416 Mahoney Goldie 286-9005
9421 Apartments
St Louis Apartments
A★Flannery Pat G
B Magnuson Lisa
C Vacant
D Vacant
E Kalas Dorothy
F★Quinalty Martha
G Wheeler Marylee
9424 Vacant
9432 Shields Theo A ◎ 286-5662
9440 Shields Drive-In ice cream
9445 Anderson Opal Mrs ◎
N SENECA ST INTERSECTS
9453 Ashley Lyman S ◎ 286-3166
9456 Osterberg Leonard J ◎ 286-8531
9463 Pattee Patton J ◎
9464 Floyd's Barber Shop
9469 Johns Douglas G
9471★Motes Lilly
9473 No Return
9476 No Return
9477★Baldwin Theresa
9479 No Return
9488 Goodwin Kerry G 286-3809
9494 Coulson Loyd N ◎ 286-3411
N PIER PARK PL INTESECTS
N FESSENDEN ST INTERSECTS

99
SALEM AV N —FROM 8029 N BRADFORD ST NORTH

ZIP CODE 97203
N CRAWFORD ST INTERSECTS
N DECATUR ST INTERSECTS
6707 Willamette Tractor Parts & Equipment repr shop 286-5516
6837 Vacant
N EDISON ST INTERSECTS

210
SALMON CT SE —FROM 1251 S 46TH AV EAST

ZIP CODE 97215
4516 Cofsky Claire
4518 Tappenbeck Wm H 234-2229
4521 Estes Ramona L Mrs ◎ 236-7069
4526 Runge Edmund J ◎
4531 Blair K A
4542 Clemenson Grace E Mrs ◎ 232-3658
4624 Sharkey Barbara A Mrs ◎ 236-2794

200
ZIP CODE 97216
SE 93D AV INTERSECTS
9305 Howell C Wm ◎ 253-0669
9316 Tetherow Charles M Jr ◎ 254-0749
9317★Murdock Margie ◎ 253-1083
9328 Lane H Charles ◎ 253-3267
9329 Newell Elmer L ◎ 253-0930
9341 Fung Sun Kuen ◎ 253-4907

236
SALMON ST SE —FROM THE RIVER EAST 4 SOUTH OF SE MORRISON ST

ZIP CODE 97214
SE WATER AV INTERSECTS
SE 1ST AV INTERSECTS
SP RY TRACKS CROSS
109 Catlin Gabel School-Catlin Gabel Sch Rummage Cntr 233-7289
133 Vacant
SE 2ND AV INTERSECTS
SE 3D AV INTERSECTS
SE UNION AV INTERSECTS

936
SE GRAND AV INTERSECTS
520 Greenleaf Wholesale Florists Inc 232-8193
521 Billingsley Evergreens whol plants & greenery 236-0282
SE 6TH AV INTERSECTS
602 Steinbart F H Co tavern sup & equip 232-8793
610 P & G Plant Co 230-0350
625 Vacant
637 Acme Welding Co Inc 236-4600
SE 7TH AV INTERSECTS
SE 8TH AV INTERSECTS
SE 9TH AV INTERSECTS
900 Auto Body Specialist 234-0688

232
SE 10TH AV INTERSECTS
1006 Hamblet Wire Products mfrs 232-9111
1035 Certified Welding Works Inc 234-0574
SE 11TH AV INTERSECTS
1101 D F K Associates Inc 231-2956
1132 Special Mobility Services trans for handicap 231-0963
200 Starr E A Inc mfrs rep 232-6111
100 Yes Madame Housekeeping 231-7018
320 Information Technology Institute-Cue education 231-1285
1135 Allen Building The professional ofcs
120 Team Marketing Inc 231-7018
300 Lynn Pagan L M T 233-9106
SE 12TH AV INTERSECTS
1221★Klementz Corey
1226★Marsh Ron
1232★Van Cleave Jody
1235★Hoffman David P 235-2491
SE 13TH AV INTERSECTS
1305 Apartments
1 Rithaler Linda M
2 O'Connell Kevin
3 Coogan Alan D lwyr 231-2933
4★Rapp Wm C 234-4210
1306 Apartments
2 Vacant
3 No Return
4★Smith James C 231-7871
5 Schwartz Roman J
1314 Eugenia Apartments
A★Leong Sheldon 234-8073
B Vacant
C Vacant
101★Philo Cindy 235-1630
102★Malyaert L M 239-4950
103 Smith Deanna 230-7735
104★Demezas Terry 233-4159
201★Dohl John
202 Rasmussen
203 No Return
204 Paulson
STREET CONTINUED
1315 Tupper Stanley
Zeller Paul M ◎ 236-1435
1322 Koretsky
1323★Dixon Steve ◎ 235-5755
1325 Atherton Earl N 232-5609
1326 Apartments
1 Erickson
2★Cox Jan M
3★Tyler Steven 235-1543
1332 Blevina Chester A ◎
1335 Apartments
1 Vacant
2★Gallagher J M 289-5890
3 Vacant
4★Sanazaro Susan 233-5184
5★Lewis Carol N 238-7264
6★Conheady Kevin
SE 14TH AV INTERSECTS
1400 Shalmar Apartments The 235-2339
★Marcel James H 235-5136
1402 Wolfer Jody 232-1697
1403 Fauth J A 236-9284
1404 Merritt Wilton L
1406 Sisumino Geo 235-9001
1407 Lifton David 236-4223
1408 No Return
1410★Mau H 236-8535
1412★Carlson Mark 235-3367
1413 Copeland Donald J ◎ 236-8535
1414 No Return
1416 Vacant
1418 Ott S C
1★Marbles Max ◎ 233-7216
2★Boyd Patricia
3 O'Brien Gary N 236-6835
1427★Kincaid Roger A 239-9947
1429 Vacant
1435 Kaserman Stella Mrs ◎ 235-7479
Dahlheim Janet 236-4502
1436 Sheckels Loree J 238-6730
SE 15TH AV INTERSECTS
1507★Lindell Bob
★Sitheram Mark 235-2625
1514 Apartments
1★Walters Dan 233-9696
2 Vacant
3 Sklovsky Robt J 231-8488
4 Pickett Bruce 232-6724
5 Vacant
1517 Mihara Fumi Mrs 235-6971
1524★Gomena Peter 239-9443
1525 Apartments
1★Fessler James
2 Vacant
3 Walter Dana 230-1909
4★Waisanen J 236-5036
5 No Return

230
SE 16TH AV INTERSECTS
1603★Keever Jay 232-3070
1607★Underwood Basie R 235-7019
1612 Vacant
1614 Russell Cheryl O 232-0244
1616 Vacant
1617 Bewley Helen G Mrs ◎ 235-1426
1621★Willi Caroline 233-7235
1622 Clancy Allen L ◎
1623★Wilcoxson T S 232-7535
1628 Taylor Thos L 239-0627
1634 Fillmore Ann Mrs 236-0209
1638 Cone Marilyn L ◎ 235-5801
SE 17TH AV INTERSECTS
1702 Davison Richd A ◎ 239-5697
1705 Bellavita Jeannie 238-0464
1707★Lynn Willia A 231-9410
1710★Beas T R 232-8024
1715 Paris Alan 231-6515
★Farr K L 235-1051
1718 Anderson Cammie Mrs ◎
1724 Rutter Thos D 235-1124
1725 Coons Teresa J
1728 Midgett Lewis ◎ 235-2866
1735 Haugseth Elvind B ◎ 232-7906
SE 18TH AV INTERSECTS
1801★Christian Kathleen A Mrs 236-9664
1807★Friedman Diane E 232-6552
1811 Frink Jean 232-9931
1815★Chinitz Rachel
1816★Mihara J 232-7206
1817★Wright Amber J
1819★Ford Barbara E 236-1377
SE 19TH AV INTERSECTS
SE 20TH AV INTERSECTS
2005 Carter Dave
2007 Krouch Ruby ◎
No Return
Head Gary
2015 No Return
2018 Santa Maria Apartments The 233-7376
Vacant
2020 Hamilton Jonn D 238-7154
2021★Bogart Dyan L
2022 No Return
2024★Parker Robin 732-8071
2026★Lim Fay Y 239-4117
2028 Stanley Gary
2030 Stegenga Daniel S 236-9312
2032 No Return
2034 Owen Peggy 232-3536
2036★Gardner L R
2037 Hannibal Geo
2038 No Return
2040 Sauer J Thos
2042 Richardson John L
2044 No Return
2046 Davis Marlene
2048 Landwermeyer Geo
2050★Altenhofen Steve 231-7456
2052 Spellman Isaac
2054 De Busk Anarea 231-3912
2056 Brinkman James H 231-1504
2058 Bloom Terry 232-5027
2060★Hasson Mark A 230-1865
2062 Stannett G Mrs
SE 21ST AV INTERSECTS
2102 No Return
2103 Vallejo M Joan 231-0821
2110 Newcorner S
★Salzman K
2113 Richardson Vernon ◎ 233-0242
2116 Spena Conrad K ◎
2119 Mongelli Dorothy Mrs ◎
2124 Halloran Margt Mrs ◎ 236-9056
2129 Biard Carl P ◎ 234-7742
2132 Apartments

SE TAYLOR ST 1985

For Faster Service in Placing Your ad, Use the DIRECT LINE to "Classified" 224-4511

SW TALBOT RD—Contd
2750★Snodgrass Glen
SW GREENWAY AV INTERSECTS
2762 Anderson R M 223-7406
2768 Holt Byron T ◎ 227-7000
2770★Elardo Sandra ◎ 228-1229
2772 Rosacker J Warren ◎ 228-6021
2780 Crout J Gordon ◎ 223-8036
2787 City Ofcs Reservoir (Greenway Station)
2798★Harris Jed M ◎ 225-0862

169
SW FAIRMONT BLVD INTERSECTS
2840 Hirsch Fred S ◎ 228-1537
3111 Vacant
3131 Zell Milton P ◎
SW FAIRMONT BLVD INTERSECTS
3365 No Return
3366 Niedermeyer Thos J ◎ 228-1929
SW BRENTWOOD DR INTERSECTS
3418 Yost Zilpha H ◎ 222-7282
3434 Sterling Adelaide A Mrs ◎ 228-2424
3450 Angell James K Jr ◎ 228-0036
SW BRENTWOOD DR INTERSECTS
3480★Thompson Timothy ◎ 223-1495
SW HUMPHREY BLVD INTERSECTS
SW PATTON RD INTERSECTS

228
TAMARACK AV SE (LADD'S ADDITION)—FROM 2201 SE 16TH AV SOUTHEAST

ZIP CODE 97214
2104 Nationwide Resume Service sten serv 235-5582
Irwin J Ralph Jr ◎ 232-4990
2110 Brickey Gerald L ◎ 235-1100
2118 Derbyshire Robt Jr ◎
2126 Gordner Evelyn M Mrs ◎ 235-2643
2136 Ng Gerald Yat 230-1106
2204 Crumpton Gene A Mrs 235-5501
2212 Giger Irene
2219 Goodrich Thos W ◎ 233-7416
2222 Goertz Le Roy W ◎ 236-7536
2228 Hartman D K 239-7133
SE LAVENDER ST INTERSECTS
2303 No Return
2323 Wishard Irma ◎ 235-3358
2324 Palodichuk Harlan P ◎ 234-1238
2330 Ford Timothy D 234-4877
2334 Vacant
2340 Johnston Johnny C ◎ 233-2674
2348 Thompson Edna M Mrs ◎ 236-0854
SE HICKORY ST INTERSECTS
2406 Manning Donald R ◎ 232-0871
2411 Saint Philip Neri Catholic Church 234-5087
St Philip Neri Cath Church (Rectory) 234-5087
Vacant
2414★Scarbrough Robt D ◎ 238-0830
2422 Fisher Charles
2430 Percic Ovidio ◎ 232-9634
2436 Mc Neil Berdelia H ◎ 236-1405
2446 Tomori M
2456 Lind Arth 232-8400
2470 Chow Mee C Mrs ◎ 232-4864
SE DIVISION ST INTERSECTS

161
TANGENT ST SW (SEVENTH STREET TERRACES)—FROM 2685 SW CHELMSFORD AV WEST AND SOUTHWEST

ZIP CODE 97201
934 De Cius Frank U
939 Bourgeois Donald P ◎ 226-3409
1003 Leitgeb Irwin ◎ 228-1617
1012★Mitch Eug L 224-3009
1015 Boicourt O Willis ◎ 227-6932
1020 Downer Doris A Mrs ◎
1029 Guenther Marva R Mrs ◎ 223-2333

217
TARA CT SW —FROM 5638 SW 56TH AV WEST IN A SEMI-CIR

ZIP CODE 97221
5615 Khary Vladimir ◎ 246-9849
5616 Darden Wm R ◎ 244-4210
5621 Rogoway Richd S ◎ 244-8344
5626 Battalia Jack E ◎ 245-4270
5630 Crutchfield Milton H ◎ 246-5051

210
TAYLOR CT SE —FROM 1511 SE 49TH AV EAST

ZIP CODE 97215
4910 Vacant
4920 Palmer Ron D ◎
4925★Franz Chas C
4930 Sevetson Donald J Rev ◎ 233-9458
4933 Howard Helen F ◎ 232-9420

208
SE 60TH AV INTERSECTS
6007 Klopfenstein Don F 233-0766
6008★Slingsby Cheryl R ◎ 232-6872
6019 Eckley Richd F ◎ 232-7954
6029 Stimmel Thos S ◎ 232-8838
6041 Kaempff Howard C ◎ 234-5721
6109★Tolver Debbie M
6115 Peterson J 230-2783
6120 Pouttu Matthew ◎ 236-7777
6135★Yolma Roy E ◎
6154 Burdin Henry S Jr ◎ 236-2864
6176★Kneeland A
6177 Kight Jack N ◎ 231-7977
6187 Kneeland Glenna V Mrs ◎ 235-6164

196
SE 80TH AV INTERSECTS
8005 Lund Mary M Mrs ◎ 256-0211
8016 Clancy Raymond G ◎ 255-6973
8017 Spain Wm
8026 Hurtley Jon S 253-8026
8027 Short Barbara E 253-3550
8034 Swearingen Sidney R ◎ 253-1782
8037 Haag Frank R ◎ 254-5809
8046 Heinze Harvey J ◎ 253-6083
8047 Brackenbrough Myrtle I Mrs ◎ 253-8092
8055 Skaw Jack R ◎ 254-7038
8056★Swingel John
8105★Braddock Robt P 255-3565
8106★Spires Thos D 257-9304
8107 No Return
8109★Holce Thos III
8115★Neal Tim truck driver
8116 Vacant
8123 No Return
8124 Vacant
8156 Foster Auto Body Shop 256-2556

200
ZIP CODE 97216
SE 82D AV INTERSECTS
8306 No Return
8311 Bolma R Olaf ◎ 254-1507
8318 Le Xau Duong ◎ 255-9539
8321 Rohrbaugh Yvonne L ◎ 253-6733
8331 Lyon Aaron A ◎ 254-1877
8334★Pickles Dennis D ◎ 252-7534
SE 84TH AV INTERSECTS
8410 Shiffer Rocklyn M ◎ 255-0904
SE 85TH AV INTERSECTS
SE 86TH AV INTERSECTS
SE 87TH AV INTERSECTS

236
TAYLOR ST SE —FROM THE RIVER EAST 3 SOUTH OF SW MORRISON ST

ZIP CODE 97214
10 Holman Transfer Co (SHOP) 238-2722
C B Equipment Co heavy equip 235-8625
21 Barrett Material Handling Systems sls & serv
SE WATER AV INTERSECTS
75 Vacant
77 Vacant
79 Vacant
80 Empire Rubber & Supply 235-8461
STREET CONTINUED
SE 1ST AV INTERSECTS
105 City Liquidators (Surplus Store) 232-0336
110 Great Western Distributors 238-8828
Oregon Special Olympics Inc 230-9400
134 Lumlite Products Co 238-7337
139 Appliance Credit Co finance co 238-0558
Dean Distributing Co Inc whol elec appls 238-0558
SE 2D AV INTERSECTS
217 Trym-Tex (Addl Sp) 234-7257
SE UNION AV INTERSECTS

936
SE GRAND AV INTERSECTS
520 Oliver & Thompson Inc florist whol 233-5065
530 Adams Frank Wholesale Florist Inc 230-0442
SE 6TH AV INTERSECTS
609 Sande Court Apartments
104★Matirio Francies
105★Barton Earnest
106★Nelson Wm
107★Mc Caullam Robert
108 Hawks Ray
109 Horn P
110 Brown Frank D 231-3807
111★Tuam Albert W 235-2486
112★Young John
201 Shockett Ray
202★Calary James
203 Robertson Marlowe W 236-8798
204★Brown Edward
205★Chattleburgh Al
206★Irvan Lee
207★Howard Michael
208 Kozion Florence
209★Lopez Robert
210 Sayers James
211★Taylor John
212 Hays Steve 236-6348
213★Carlin W Lewis 236-3521
214★Bradford John E 233-2894
301 O'Brien Joanna C Mrs 235-3620
302★Howard Thomas
303★Post Daniel
304★Usultan James R 236-7382
305★Hoover Rex
306★Jasper Tim
307★Scheidel George
308★Delure Ronald
309★Frogg Edgar H 231-3829
310★Fox James
311★Frasier Dorothy A 235-2595
312 Smith Robt G 232-9668
313 Van Cleaver Carl
314 Vacant
315★Joling Earl
401 Vacant
402★Mc Daniel Robert
403★Benfrt Sandra
404★Arnold Edward
405★Remington Jerome
406★Brotkin Brad
407 Vacant
408★Caulen Frank
409 Reese Dale
410★Langsdon Donald
411★Adee Samuel
412★Emert Roger
413★Wong George
414 Lennon Constance M 235-0354
415 August Charles
416★Johnson Wilbur
STREET CONTINUED
609½ Speak Easy Tavern tavern 234-8991
631 Mount Vernon Apartments 236-2271
100★Sheldon Vernon E 236-2271
101★Meeker Verna
102 Henry Arthur
103★Stafford Allen
104 Vacant
105 Vacant
106★Dowdy Joseph
107 Winston Joyce
108★Griffin Timothy
109★Gray Vera
110★Long Michael
111 Fehler Ralph
112 Vacant
114 Matulich Donald
115 Vacant
116★Nielsen Cary
117 Nelson Nels
200 Crocker Homer
202 Vacant
203 Vacant
204★Marshall Raymond
205★Van Voorhies Michal
206★Myers Chas
207★Lewis Ruth
208★Boroff Lee
209★Bishop Patricia
210★Hale Harold
211★Chisamore James
212★Mc Benje Arthur
214★Fritz David
215★Seegert Elizabeth
216★Mc Williams Gary
217★Chavez Joyce
218 Vacant
219★Ball John
300★Carey Troy
301★Braughton James
302★Wright Leo
303★Lovelace Thomas
304★Kelty James
305★Harris James
306★Mataya Arthur
307★Allen Rose
308 Ochoa Gilbert
309 Vacant
310★Lesouski Cecelia
311★Ryland James
312★Campbell Charles
314★Lytle Teresa
315★Powell Gary
316★Stevens Mark
317★Labac Michael
318 Vacant
SE 7TH AV INTERSECTS
SE 8TH AV INTERSECTS
SE 9TH AV INTERSECTS

232
SE 10TH AV INTERSECTS
1003 Wilson Produce whol 232-4131
1007 Wilson Prod (Stge)
1036 Grating Fabricators Inc steel fabrication 239-5205
1037 Najdek Transport Office tranportation 232-8129
SE 11TH AV INTERSECTS
1106 East Side Flea Market 230-1234
SE 12TH AV INTERSECTS
1217★Isacson Daniel 239-4033
1225 No Return
1233★Martin Joseph P 232-4465
1234 Lidell H Valdemar ◎ 236-2316
SE 13TH AV INTERSECTS
1314 Youth Progress Association Inc placement center 233-6121
1315 Carroll Margo J 234-5980
Hansen Peter J
1321 Apartments
BSMT Works Joe
1 Taft Geo
2 Vacant
3 Vacant
4★Butler D 233-0419
5 Radosolvich Steven
6★Gracy Robt
7★Tomlinson Robt
8 Vacant
1330 Apartments
1 Vacant
2★Hyun Hyun 233-9211
3 Chung H
4 Yan Chui Ping
5★Le Phuong Anh 236-9146
6★Kearsley Stuart 232-2666
7★Choe Chin U 232-8941
8 Kwon Hee Bong 236-3409
9 Jung Norman S
10 An Muson 233-2590
1331 Sorensen O W 236-3858
SE 14TH AV INTERSECTS
1405★Chancellor Tom 231-5045
1410★Radic V L 231-8246
1414 Walton Rick ◎ 235-3923
1415 Mason Todd ◎
1427★Patrick Thos ◎ 230-1125
1428★Coburn Robt J ◎ 234-3236
1433 Johnson Dennis M
1436 White Beverly M Mrs
SE 15TH AV INTERSECTS
A★S Jolander M 236-7328
1506★Sutton A E 238-1765
1508 No Return
1514 Kasche Andree 232-1219
1517 Naslund Linda
1523 Kiggins Barbara M
1526★Swartout Daryl ◎ 233-4094
1534 No Return

230
SE 16TH AV INTERSECTS
1615 Apartments
1★Bradford Wm 233-5485
2 Vacant
3 Marcelo D M
4 Justice Charles III 238-2972
5★Manley Carlu 254-1889
6★Coe Chuck
1636 Grace Villa Court Apartments 235-0975
1 Naylor Harvey L 236-1428
2 Gable Joan E
3 Wood Evan B 236-2233
4★Hurst P 232-5636
5 Estes A F 236-3938
6 Muller Rose
7 Wythea Barbara 236-2388
8 Rennison E M 234-4464
SE 17TH AV INTERSECTS
1700 Tiburon Apts The 235-2339
★Fairham Vicki
1702★Sheau John
1704★Marshall Charlene
1706★Winchester Mary
1708★Horstine Karen 234-1354
1710★Garcia Reynes 236-9376
1712★Houston Robt 239-6931
1714★Gregory Edw
1716 Vacant
1718★Sang Chang Chal 232-2210
1720★Swope Leslie
1722 Wong Alan K 232-3770
1724★Dudley A 238-9697
1730 Crocker Luther A ◎ 235-5789
1740 Turner P ◎ 232-4663
1752 Mc Cleary Jda Mrs ◎ 235-6902
1806 Mc Donald N L 238-2925
1812 Pearson-Wood Rheaman phys 238-5914
1816 Sheehan Yoko
1822 Page Carol B 232-1508
1824 Vacant
1832 O'Neill Frances ◎ 236-2992
1848 Smith Jack L ◎ 236-8342
1904★Lander Thea 236-5500
1906★Killinger Terry C 232-2487
1914 Hinson Mem Bapt Church (Sunday Sch Rooms)
1915 Wing Ruth H Mrs ◎ 232-3900
1916 Wheeler Glenn O 234-3541
1924 Discovery House Buckman Community Counseling
1925 Harmony House Inc soci serv agcy 232-3448
★Smith Frank 232-3448
1932 Hinson Mem Bapt Church (Sunday Sch Rms)
SE 20TH AV INTERSECTS
2004 Vacant
2005 No Return
No Return
B No Return
2007 Parkview Terrace Apartments
★Martin B
2009 Kuehn Virginia 235-5964
2011★Van Houten Collen A 231-1229

232-11 FURNITURE RENTAL Tel. 281-1112 AUTOMATIC FIRE SPRINKLER SYSTEMS 2148 N.E. Union Av.

Proposed SE Porltand Redevelopment Site
1306 SE 9th Ave
Portland, OR 97214

Inquiry Number: 4554862.3
March 03, 2016

Certified Sanborn® Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

3/03/16

Site Name:
Proposed SE Porltand
1306 SE 9th Ave
Portland, OR 97214

Client Name:
GeoDesign Inc.
15575 SW Sequoia Parkway
Portland, OR 97224

EDR Inquiry # 4554862.3

Contact: Kevin Cline

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by GeoDesign Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: Proposed SE Porltand Redevelopment Site
Address: 1306 SE 9th Ave
City, State, Zip: Portland, OR 97214
Cross Street:
P.O. # Capstone-12-02
Project: Proposed SE Redevelopment
Certification # 3D8D-4893-B470

Maps Provided:

1969
1950
1924
1909
1901

Sanborn® Library search results
Certification # 3D8D-4893-B470

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

GeoDesign Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1969 Source Sheets

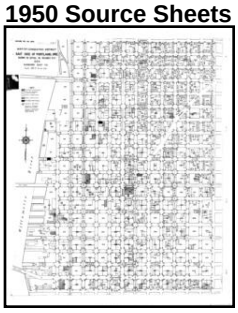
Volume 7, Sheet 728

Volume 7, Sheet 729

Volume 7, Sheet 742

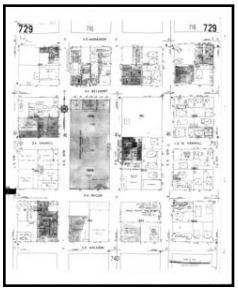
Volume 7, Sheet 743

1950 Source Sheets

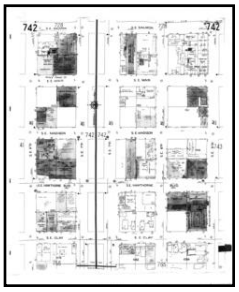


Volume 7, Sheet xxxx

Volume 7, Sheet 728



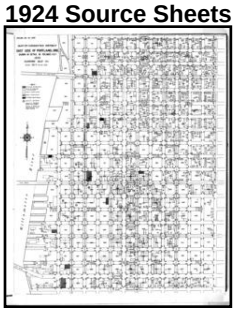
Volume 7, Sheet 729



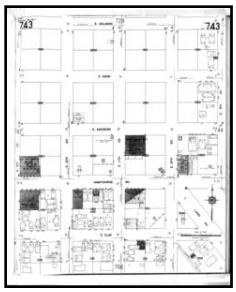
Volume 7, Sheet 742

Volume 7, Sheet 743

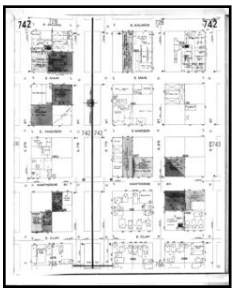
1924 Source Sheets



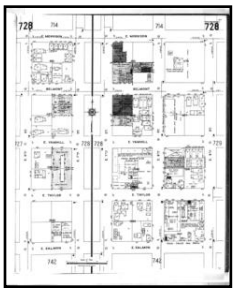
Volume 7, Sheet xxxx



Volume 7, Sheet 743



Volume 7, Sheet 742



Volume 7, Sheet 728

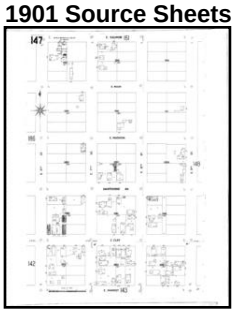
Volume 7, Sheet 729

1909 Source Sheets

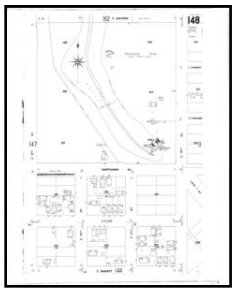
Volume 4, Sheet 428

Volume 4, Sheet 429

1901 Source Sheets



Volume 2, Sheet 147

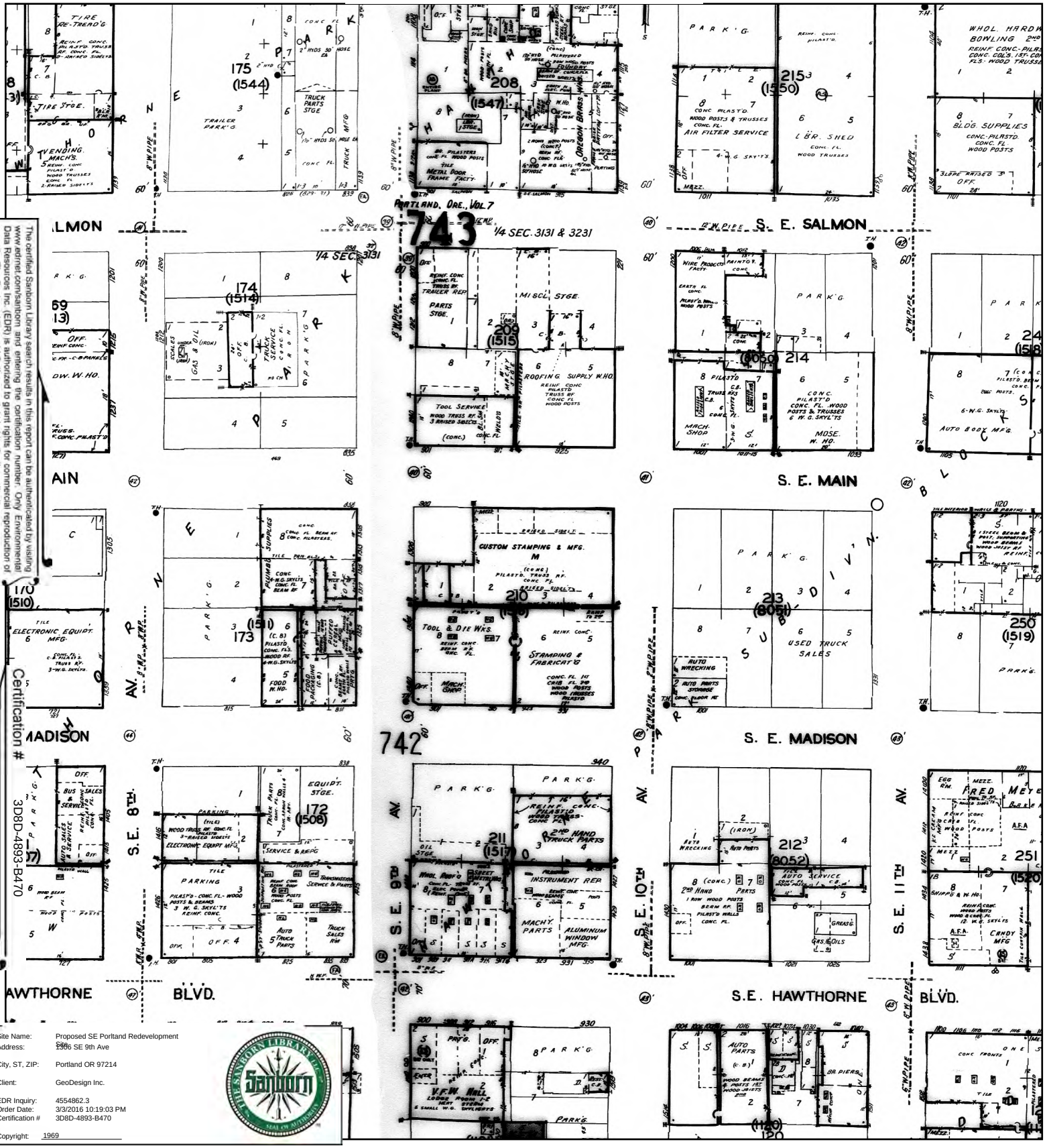


Volume 2, Sheet 148

Volume 2, Sheet 151

Volume 2, Sheet 152

1969 Certified Sanborn Map

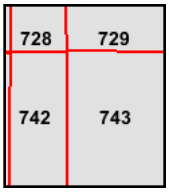


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 3D8D-4893-B470

Site Name:	Proposed SE Portland Redevelopment Site
Address:	1966 SE 9th Ave
City, ST, ZIP:	Portland OR 97214
Client:	GeoDesign Inc.
EDR Inquiry:	4554862.3
Order Date:	3/3/2016 10:19:03 PM
Certification #	3D8D-4893-B470
Copyright:	1969

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

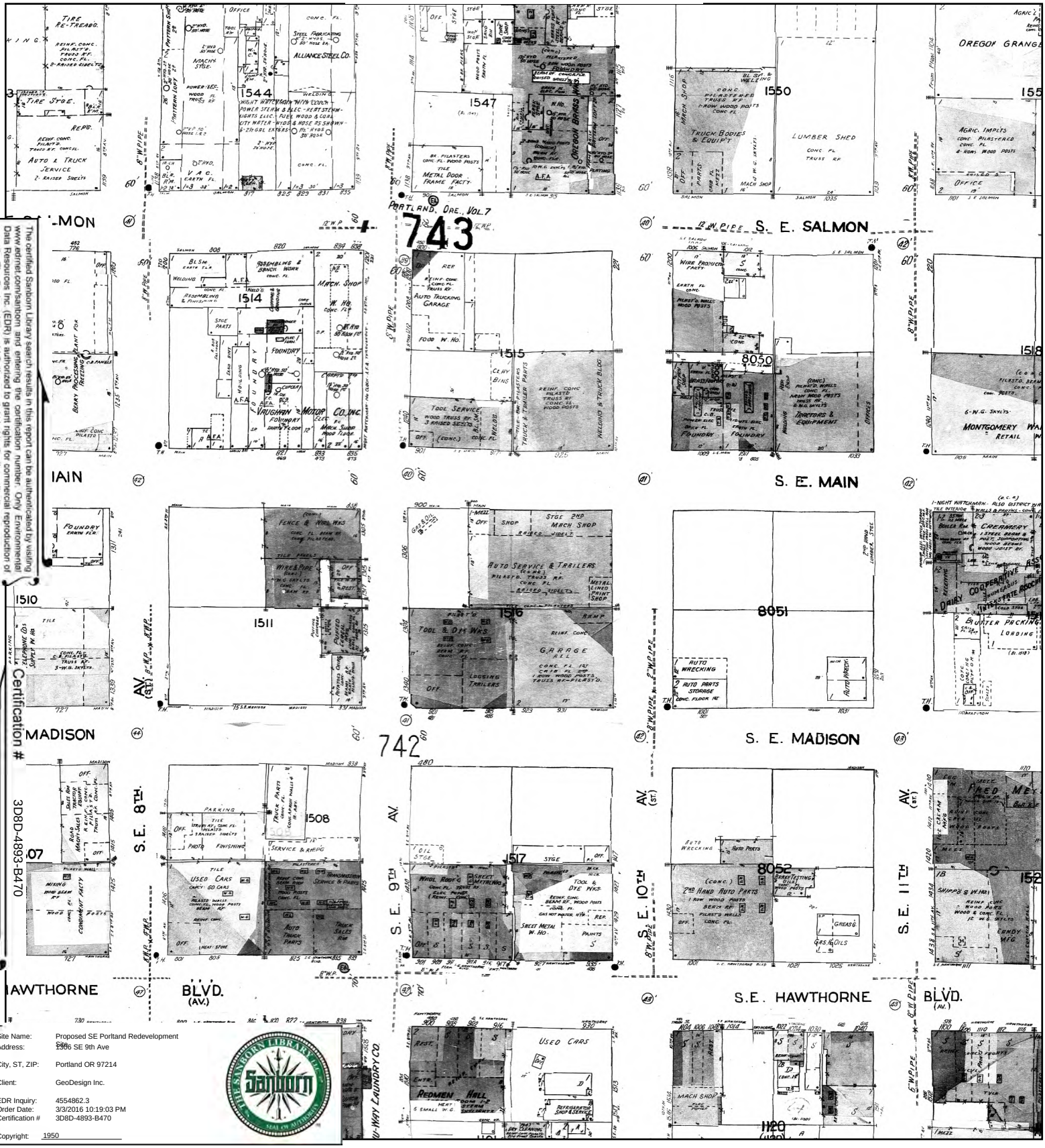


Volume 7, Sheet 728
Volume 7, Sheet 729
Volume 7, Sheet 742
Volume 7, Sheet 743

0 Feet 150 300 600

N

1950 Certified Sanborn Map

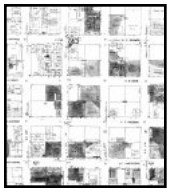


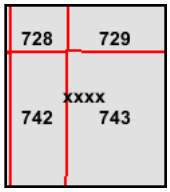
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 3D8D-4893-B470

Site Name:	Proposed SE Portland Redevelopment
Address:	1966 SE 9th Ave
City, ST, ZIP:	Portland OR 97214
Client:	GeoDesign Inc.
EDR Inquiry:	4554862.3
Order Date:	3/3/2016 10:19:03 PM
Certification #	3D8D-4893-B470
Copyright:	1950

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



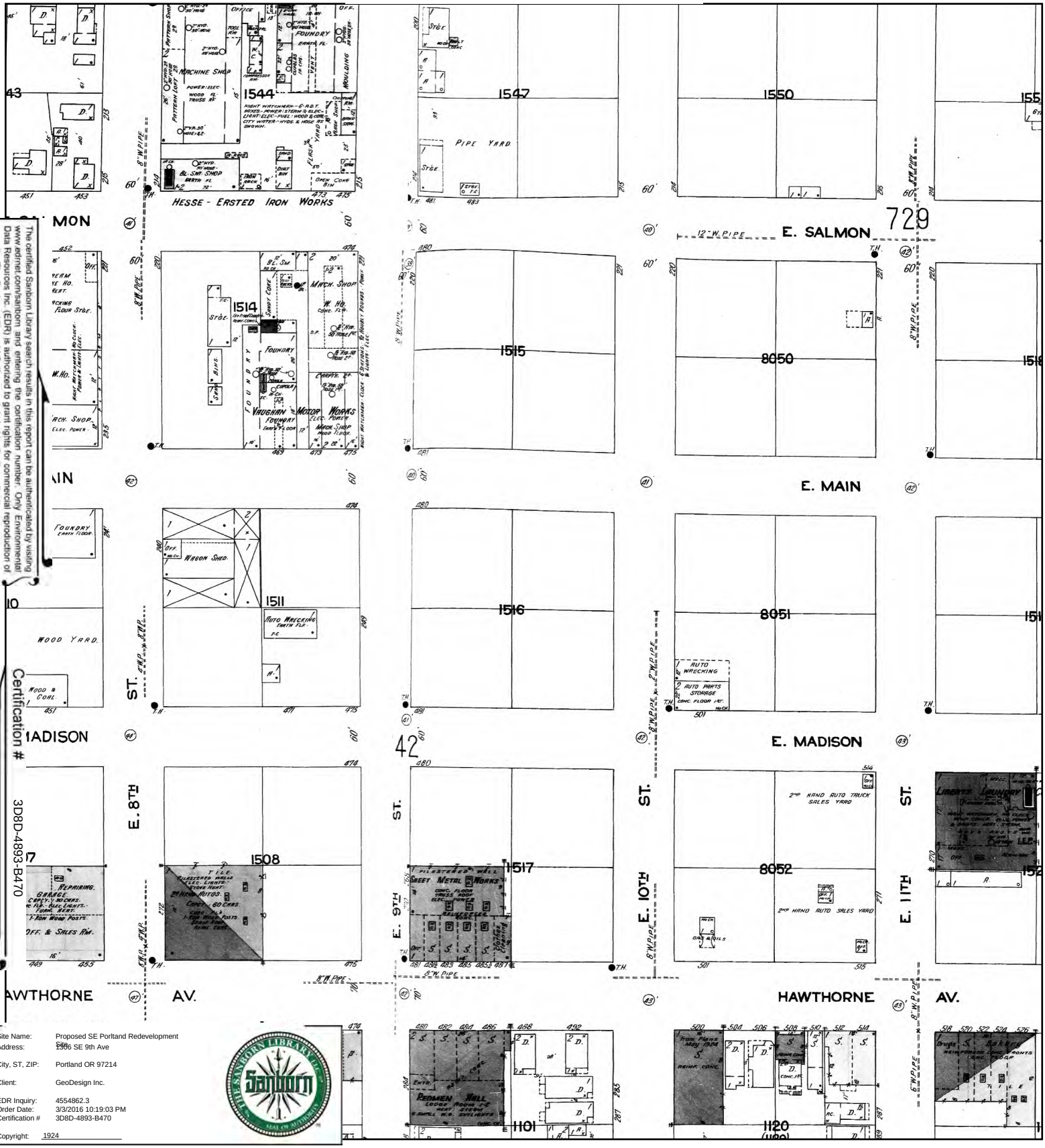


Volume 7, Sheet xxxx
Volume 7, Sheet 728
Volume 7, Sheet 729
Volume 7, Sheet 742
Volume 7, Sheet 743

0 Feet 150 300 600

N

1924 Certified Sanborn Map



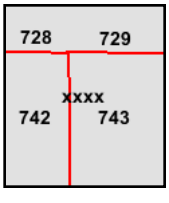
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 3D8D-4893-B470

Site Name:	Proposed SE Portland Redevelopment Site
Address:	1306 SE 9th Ave
City, ST, ZIP:	Portland OR 97214
Client:	GeoDesign Inc.
EDR Inquiry:	4554862.3
Order Date:	3/3/2016 10:19:03 PM
Certification #	3D8D-4893-B470
Copyright:	1924

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

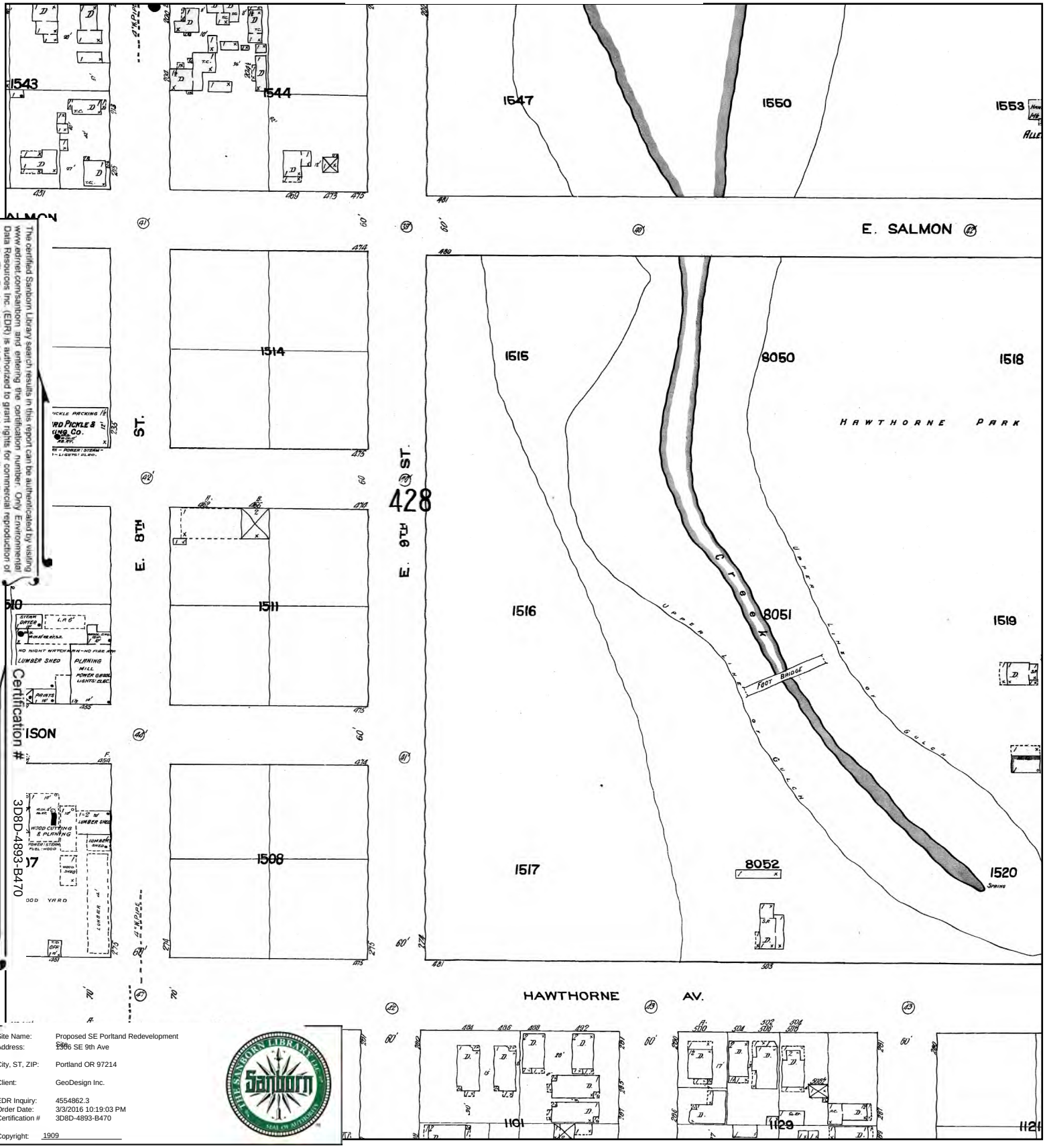
0 Feet 150 300 600



Volume 7, Sheet xxxx
Volume 7, Sheet 743
Volume 7, Sheet 742
Volume 7, Sheet 728
Volume 7, Sheet 729

N

1909 Certified Sanborn Map



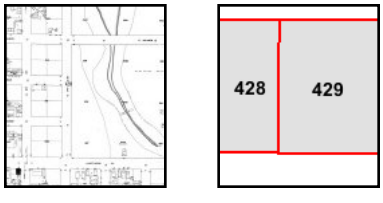
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #: 3D8D-4893-B470

Site Name:	Proposed SE Portland Redevelopment Site
Address:	1306 SE 9th Ave
City, ST, ZIP:	Portland OR 97214
Client:	GeoDesign Inc.
EDR Inquiry:	4554862.3
Order Date:	3/3/2016 10:19:03 PM
Certification #	3D8D-4893-B470
Copyright:	1909

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

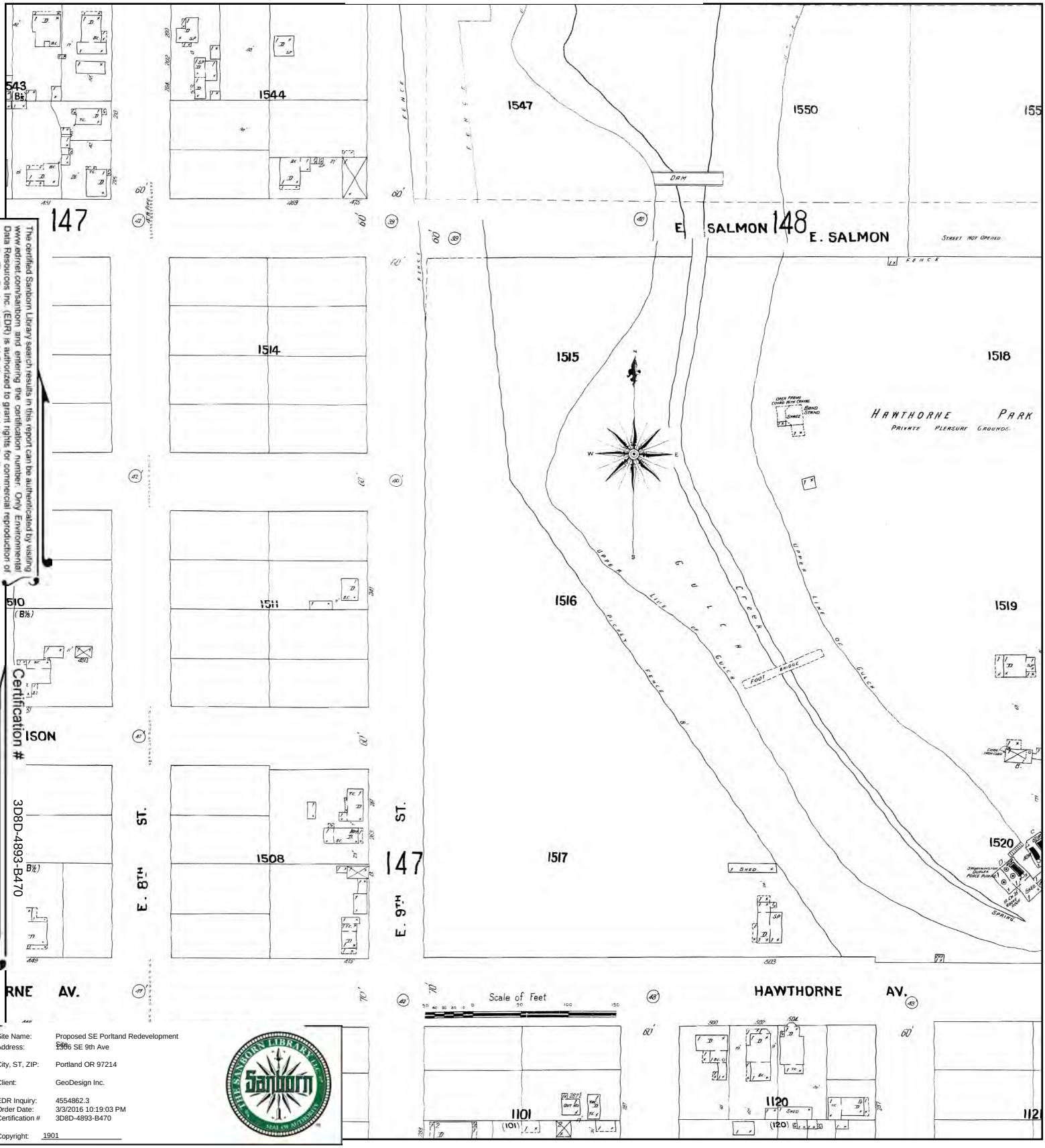
0 Feet 150 300 600



Volume 4, Sheet 428
Volume 4, Sheet 429

N

1901 Certified Sanborn Map

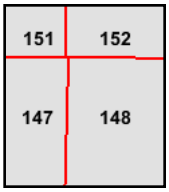


The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 3D8D-4893-B470

Site Name: Proposed SE Portland Redevelopment
Address: 1306 SE 9th Ave
City, ST, ZIP: Portland OR 97214
Client: GeoDesign Inc.
EDR Inquiry: 4554862.3
Order Date: 3/3/2016 10:19:03 PM
Certification # 3D8D-4893-B470
Copyright: 1901

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 147
Volume 2, Sheet 148
Volume 2, Sheet 151
Volume 2, Sheet 152

0 Feet 150 300 600

N

925 SE MAIN ST

PORTLAND, OR 97214

ASSESSOR

Address	925 SE MAIN ST
Address2	PORTLAND, OR 97214
City	PORTLAND
Property ID	R176867
Tax Roll	HAWTHORNE PK, BLOCK 209, LOT 3-6
Use	INDUSTRIAL GENERAL USE
Lot	3-6
Block	209
County	Multnomah
State ID	1S1E02BD 6500
Alt Account Number	R366701570
Map Number	3131 OLD
Related Accounts	
Land Type	INDUSTRIAL LAND
Total Land Area	0.46 acres (20,000 sq ft)

Owner

Name	STOUDT FAMILY PROPERTIES LLC
Type	OWNER (PRIMARY)
Address	PO BOX 14340
City	PORTLAND
State	OR
Zip Code	97293-0340

Assessor Update Date 02/29/2016 7:23AM

Sales History & Deed

Sale Date	Type	Instrument	Sale Price
05/01/1989	BARGAIN & SALE DEED	BP22001864	$285,000.00
	INST	94187939	$0.00

Improvements

Improvement Type	INDUSTRIAL
Improvement Value	$346,120.00
Building Class	INDUSTRIAL GENERAL
Actual Year Built	1946
Number Of Segments	1

Segment Number	Segment Type	Class	Area Sq Ft
1	MAIN		14550

Assessment History

Year	Improvements	Land	Special Use	Real Market	Exemptions	Assessed
2015	$346,120.00	$392,520.00	$0.00	$738,640.00	$0.00	$624,880.00
2014	$360,990.00	$392,520.00	$0.00	$753,510.00	$0.00	$606,680.00
2013	$376,500.00	$392,520.00	$0.00	$769,020.00	$0.00	$589,010.00
2012	$388,150.00	$392,520.00	$0.00	$780,670.00	$0.00	$571,860.00
2011	$400,150.00	$392,520.00	$0.00	$792,670.00	$0.00	$555,210.00

Tax Districts

Code	Description
101	PORT OF PORTLAND
130	CITY OF PORTLAND
130L	CITY OF PORTLAND - NEW LEVIES
130M	CITY OF PORTLAND PARKS LOP
143	METRO

Tax History

Year	Property Tax	Total Tax
2015	$12,194.26	$12,194.26
2014	$12,478.14	$12,478.14
2013	$12,682.57	$12,682.57
2012	$12,256.00	$12,256.00
2011	$12,349.98	$12,349.98

Tax Maps

Quarter Section	Size
1s1e02bd (Current Property)	487.5 KB
1s1e02	139.8 KB
1s1e02aa	425.9 KB
1s1e02ab	231.9 KB
1s1e02ac	570.6 KB

1240 SE 9TH AVE

PORTLAND, OR 97214

ASSESSOR

Address	1240 SE 9TH AVE
Address2	PORTLAND, OR 97214
City	PORTLAND
Property ID	R176868
Tax Roll	HAWTHORNE PK, BLOCK 209, LOT 7&8
Use	INDUSTRIAL GENERAL USE
Lot	7&8
Block	209
County	Multnomah
State ID	1S1E02BD 6800
Alt Account Number	R366701610
Map Number	3131 OLD
Related Accounts	
Land Type	INDUSTRIAL LAND
Total Land Area	0.23 acres (10,000 sq ft)

Owner

Name	STOUDT FAMILY PROPERTIES LLC
Type	OWNER (PRIMARY)
Address	PO BOX 14340
City	PORTLAND
State	OR
Zip Code	97293-0340

Assessor Update Date 02/29/2016 7:23AM

Sales History & Deed

Sale Date	Type	Instrument	Sale Price
12/01/1991	PERS REPS DEED	BP24920249	$150,000.00
	INST	94187939	$0.00

Improvements

Improvement Type	WAREHOUSE
Improvement Value	$151,720.00
Building Class	WHSE FLEX 5000-20000 SF
Actual Year Built	1937
Number Of Segments	1

Segment Number	Segment Type	Class	Area Sq Ft
1	MAIN		7200
1	FENCE		

Assessment History

Year	Improvements	Land	Special Use	Real Market	Exemptions	Assessed
2015	$151,720.00	$173,680.00	$0.00	$325,400.00	$0.00	$285,470.00
2014	$158,240.00	$173,680.00	$0.00	$331,920.00	$0.00	$277,160.00
2013	$163,440.00	$173,680.00	$0.00	$337,120.00	$0.00	$269,090.00
2012	$168,500.00	$173,680.00	$0.00	$342,180.00	$0.00	$261,260.00
2011	$173,710.00	$173,680.00	$0.00	$347,390.00	$0.00	$253,660.00

Tax Districts

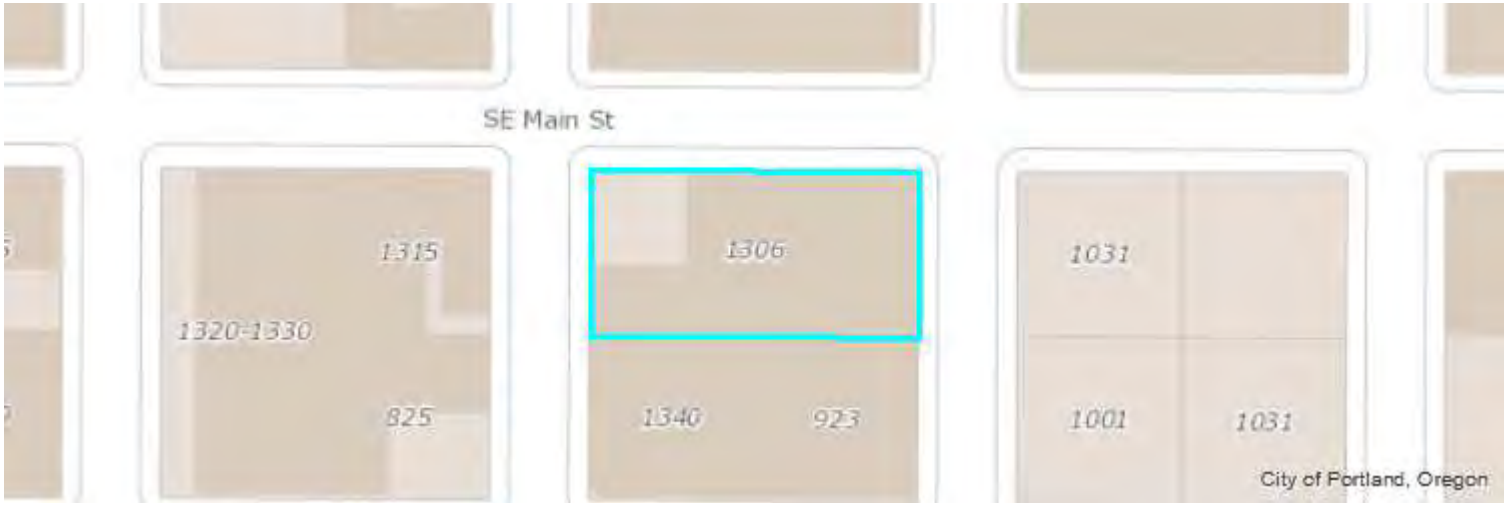
Code	Description
101	PORT OF PORTLAND
130	CITY OF PORTLAND
130L	CITY OF PORTLAND - NEW LEVIES
130M	CITY OF PORTLAND PARKS LOP
143	METRO

Tax History

Year	Property Tax	Total Tax
2015	$5,390.22	$5,390.22
2014	$5,515.82	$5,515.82
2013	$5,580.93	$5,580.93
2012	$5,382.12	$5,382.12
2011	$5,438.43	$5,438.43

Tax Maps

Quarter Section	Size
1s1e02bd (Current Property)	487.5 KB
1s1e02	139.8 KB
1s1e02aa	425.9 KB
1s1e02ab	231.9 KB
1s1e02ac	570.6 KB



1306 SE 9TH AVE

PORTLAND, OR 97214

ASSESSOR

Address	1306 SE 9TH AVE
Address2	PORTLAND, OR 97214
City	PORTLAND
Property ID	R176869
Tax Roll	HAWTHORNE PK, BLOCK 210, LOT 1-4, LAND & IMPS SEE R176870 (R366701631) FOR MACH & EQUIP
Use	INDUSTRIAL GENERAL USE
Lot	1-4
Block	210
County	Multnomah
State ID	1S1E02BD 6900
Alt Account Number	R366701630
Map Number	3131 OLD
Related Accounts	

Owner

Name	STOUDT FAMILY PROPERTIES LLC
Type	OWNER (PRIMARY)
Address	PO BOX 14340
City	PORTLAND
State	OR
Zip Code	97293-0340

Land Type	INDUSTRIAL LAND
Total Land Area	0.46 acres (20,000 sq ft)
Assessor Update Date	02/29/2016 7:23AM

Sales History & Deed

Sale Date	Type	Instrument	Sale Price
03/01/1989	BARGAIN & SALE DEED	BP21831188	$335,000.00
	INST	94187939	$0.00

Improvements

Improvement Type	INDUSTRIAL
Improvement Value	$163,510.00
Building Class	INDUSTRIAL GENERAL
Number Of Segments	1

Segment Number	Segment Type	Class	Area Sq Ft
1	MAIN		

Assessment History

Year	Improvements	Land	Special Use	Real Market	Exemptions	Assessed
2015	$163,510.00	$347,360.00	$0.00	$510,870.00	$0.00	$476,630.00
2014	$170,540.00	$347,360.00	$0.00	$517,900.00	$0.00	$462,750.00
2013	$176,140.00	$347,360.00	$0.00	$523,500.00	$0.00	$449,280.00
2012	$181,590.00	$347,360.00	$0.00	$528,950.00	$0.00	$436,200.00
2011	$187,210.00	$347,360.00	$0.00	$534,570.00	$0.00	$423,500.00

Tax Districts

Code	Description
101	PORT OF PORTLAND
130	CITY OF PORTLAND
130L	CITY OF PORTLAND - NEW LEVIES
130M	CITY OF PORTLAND PARKS LOP
143	METRO

Tax History

Year	Property Tax	Total Tax
2015	$8,513.27	$8,513.27
2014	$8,665.11	$8,665.11
2013	$8,727.61	$8,727.61
2012	$8,350.69	$8,350.69
2011	$8,398.49	$8,398.49

Tax Maps

Quarter Section	Size
1s1e02bd (Current Property)	487.5 KB
1s1e02	139.8 KB
1s1e02aa	425.9 KB
1s1e02ab	231.9 KB
1s1e02ac	570.6 KB

1340 SE 9TH AVE

PORTLAND, OR 97214

ASSESSOR

Address	1340 SE 9TH AVE
Address2	PORTLAND, OR 97214
City	PORTLAND
Property ID	R176872
Tax Roll	HAWTHORNE PK, BLOCK 210, LOT 7&8, LAND & IMPS SEE R176873 (R366701691) FOR MACH & EQUIP
Use	INDUSTRIAL GENERAL USE
Lot	7&8
Block	210
County	Multnomah
State ID	1S1E02BD 7000
Alt Account Number	R366701690
Map Number	3131 OLD
Related Accounts	

Owner

Name	CUSTOM STAMPING & MFG CO
Type	OWNER (PRIMARY)
Address	PO BOX 14340
City	PORTLAND
State	OR
Zip Code	97293-0340

Land Type	INDUSTRIAL LAND
Total Land Area	0.23 acres (10,000 sq ft)
Assessor Update Date	02/29/2016 7:23AM

Sales History & Deed

Sale Date	Type	Instrument	Sale Price
07/01/2000	WARRANTY DEED	00105939	$280,802.00
	INST	BP16060663	$0.00

Improvements

Improvement Type	INDUSTRIAL
Improvement Value	$88,890.00
Building Class	INDUSTRIAL GENERAL
Number Of Segments	1

Segment Number	Segment Type	Class	Area Sq Ft
1	MAIN		

Assessment History

Year	Improvements	Land	Special Use	Real Market	Exemptions	Assessed
2015	$88,890.00	$173,680.00	$0.00	$262,570.00	$0.00	$242,220.00
2014	$92,710.00	$173,680.00	$0.00	$266,390.00	$0.00	$235,170.00
2013	$95,760.00	$173,680.00	$0.00	$269,440.00	$0.00	$228,330.00
2012	$98,730.00	$173,680.00	$0.00	$272,410.00	$0.00	$221,680.00
2011	$101,780.00	$173,680.00	$0.00	$275,460.00	$0.00	$215,230.00

Tax Districts

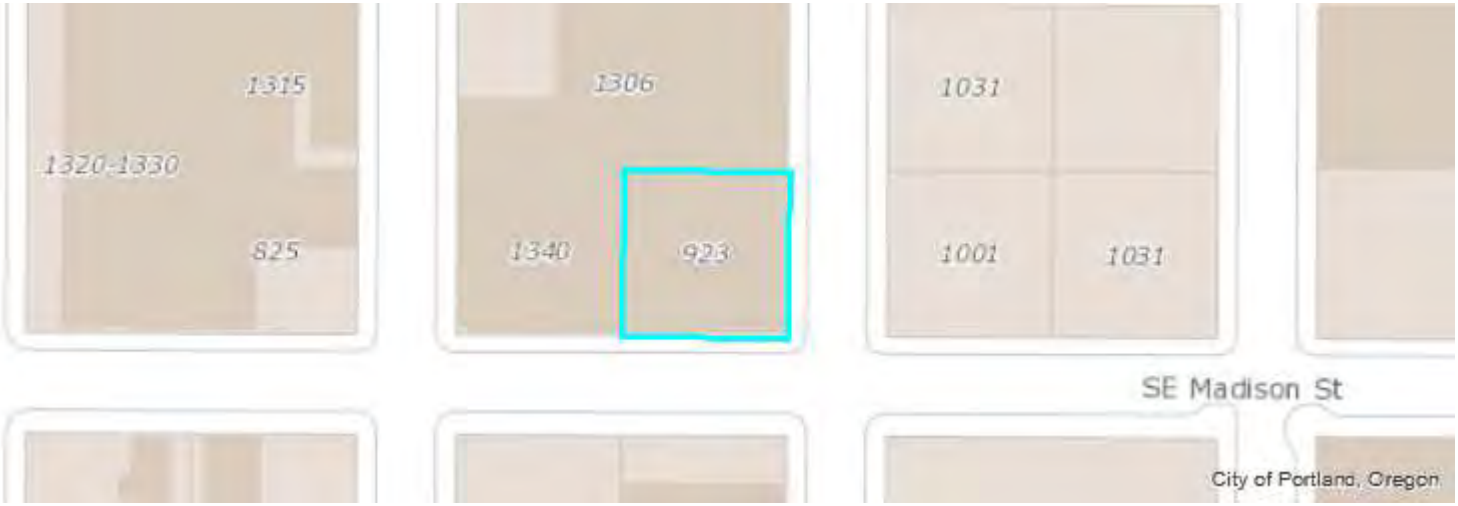
Code	Description
101	PORT OF PORTLAND
130	CITY OF PORTLAND
130L	CITY OF PORTLAND - NEW LEVIES
130M	CITY OF PORTLAND PARKS LOP
143	METRO

Tax History

Year	Property Tax	Total Tax
2015	$4,370.62	$4,370.62
2014	$4,451.51	$4,451.51
2013	$4,486.34	$4,486.34
2012	$4,297.79	$4,297.79
2011	$4,325.00	$4,325.00

Tax Maps

Quarter Section	Size
1s1e02bd (Current Property)	487.5 KB
1s1e02	139.8 KB
1s1e02aa	425.9 KB
1s1e02ab	231.9 KB
1s1e02ac	570.6 KB



923 SE MADISON ST

PORTLAND, OR 97214

ASSESSOR

Address	923 SE MADISON ST
Address2	PORTLAND, OR 97214
City	PORTLAND
Property ID	R176871
Tax Roll	HAWTHORNE PK, BLOCK 210, LOT 5&6
Use	INDUSTRIAL GENERAL USE
Lot	5&6
Block	210
County	Multnomah
State ID	1S1E02BD 7100
Alt Account Number	R366701670
Map Number	3131 OLD
Related Accounts	
Land Type	INDUSTRIAL LAND
Total Land Area	0.23 acres (10,000 sq ft)

Owner

Name	STOUDT FAMILY PROPERTIES LLC
Type	OWNER (PRIMARY)
Address	PO BOX 14340
City	PORTLAND
State	OR
Zip Code	97293-0340

Assessor Update Date 02/29/2016 7:23AM

Sales History & Deed

Sale Date	Type	Instrument	Sale Price
	INST	94187939	$0.00
	BARGAIN & SALE DEED	2007036110	$0.00

Improvements

Improvement Type	INDUSTRIAL
Improvement Value	$526,290.00
Building Class	INDUSTRIAL GENERAL
Number Of Segments	1

Segment Number	Segment Type	Class	Area Sq Ft
1	MAIN		

Assessment History

Year	Improvements	Land	Special Use	Real Market	Exemptions	Assessed
2015	$526,290.00	$196,260.00	$0.00	$722,550.00	$0.00	$722,550.00
2014	$548,910.00	$196,260.00	$0.00	$745,170.00	$0.00	$745,170.00
2013	$566,940.00	$196,260.00	$0.00	$763,200.00	$0.00	$763,200.00
2012	$584,470.00	$196,260.00	$0.00	$780,730.00	$0.00	$780,730.00
2011	$602,550.00	$196,260.00	$0.00	$798,810.00	$0.00	$798,810.00

Tax Districts

Code	Description

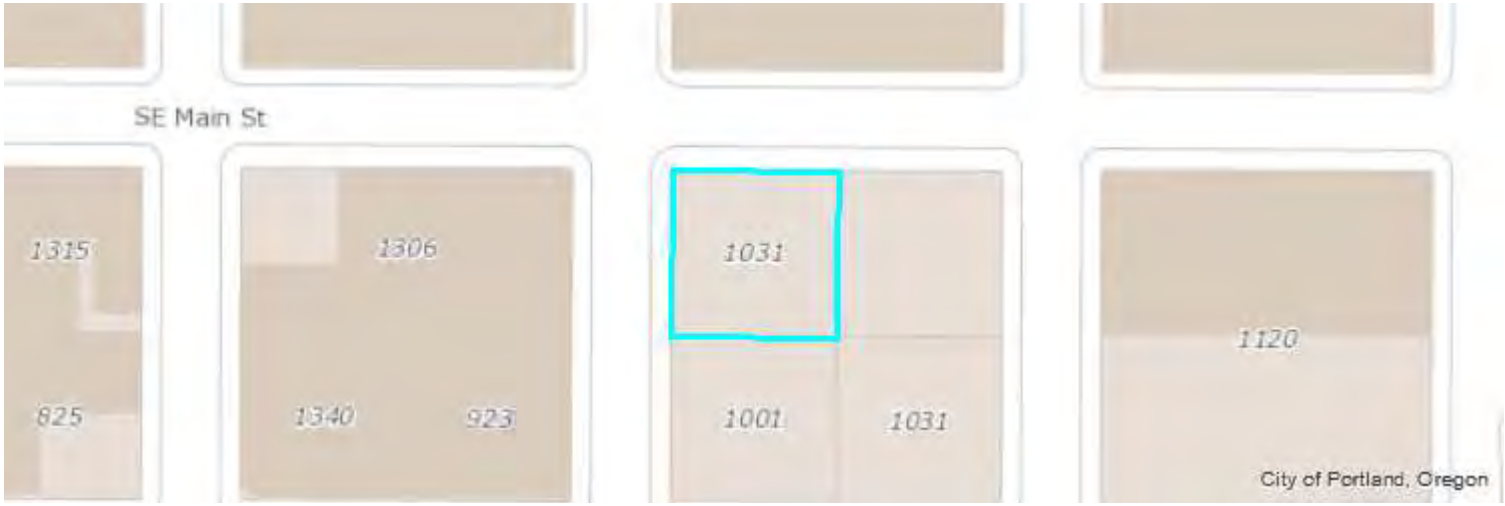
Code	Description
101	PORT OF PORTLAND
130	CITY OF PORTLAND
130L	CITY OF PORTLAND - NEW LEVIES
130M	CITY OF PORTLAND PARKS LOP
143	METRO

Tax History

Year	Property Tax	Total Tax
2015	$12,127.14	$12,127.14
2014	$12,621.39	$12,621.39
2013	$12,934.57	$12,934.57
2012	$12,456.31	$12,456.31
2011	$12,698.86	$12,698.86

Tax Maps

Quarter Section	Size
1s1e02bd (Current Property)	487.5 KB
1s1e02	139.8 KB
1s1e02aa	425.9 KB
1s1e02ab	231.9 KB
1s1e02ac	570.6 KB



1031 WI/ SE MADISON ST

PORTLAND, OR 97214

ASSESSOR

Address	1031 WI/ SE MADISON ST
Address2	PORTLAND, OR 97214
City	PORTLAND
Property ID	R176881
Tax Roll	HAWTHORNE PK, BLOCK 213, LOT 1&2
Use	INDUSTRIAL SPECIAL PURPOSE
Lot	1&2
Block	213
County	Multnomah
State ID	1S1E02BD 7200
Alt Account Number	R366701870
Map Number	3131 OLD
Related Accounts	
Land Type	INDUSTRIAL LAND
Total Land Area	0.23 acres (10,000 sq ft)

Owner

Name	CUSTOM STAMPING & MFG CO
Type	OWNER (PRIMARY)
Address	PO BOX 14340
City	PORTLAND
State	OR
Zip Code	97293-0340

Split Property Children

Assessor Update Date 02/29/2016 7:23AM

Improvements

Improvement Type MISC YARD IMPROVEMENTS
Improvement Value $4,180.00
Building Class INDUSTRIAL GENERAL
Construction Style 1
Number Of Segments 2

Segment Number	Segment Type	Class	Area Sq Ft
1	FENCE	1	
2	BLACKTOP	1	10000

Assessment History

Year	Improvements	Land	Special Use	Real Market	Exemptions	Assessed
2015	$4,180.00	$173,680.00	$0.00	$177,860.00	$0.00	$154,270.00
2014	$4,360.00	$173,680.00	$0.00	$178,040.00	$0.00	$149,780.00
2013	$4,500.00	$173,680.00	$0.00	$178,180.00	$0.00	$145,420.00
2012	$4,640.00	$173,680.00	$0.00	$178,320.00	$0.00	$141,190.00
2011	$4,790.00	$173,680.00	$0.00	$178,470.00	$0.00	$137,080.00

Tax Districts

Code	Description
101	PORT OF PORTLAND
130	CITY OF PORTLAND

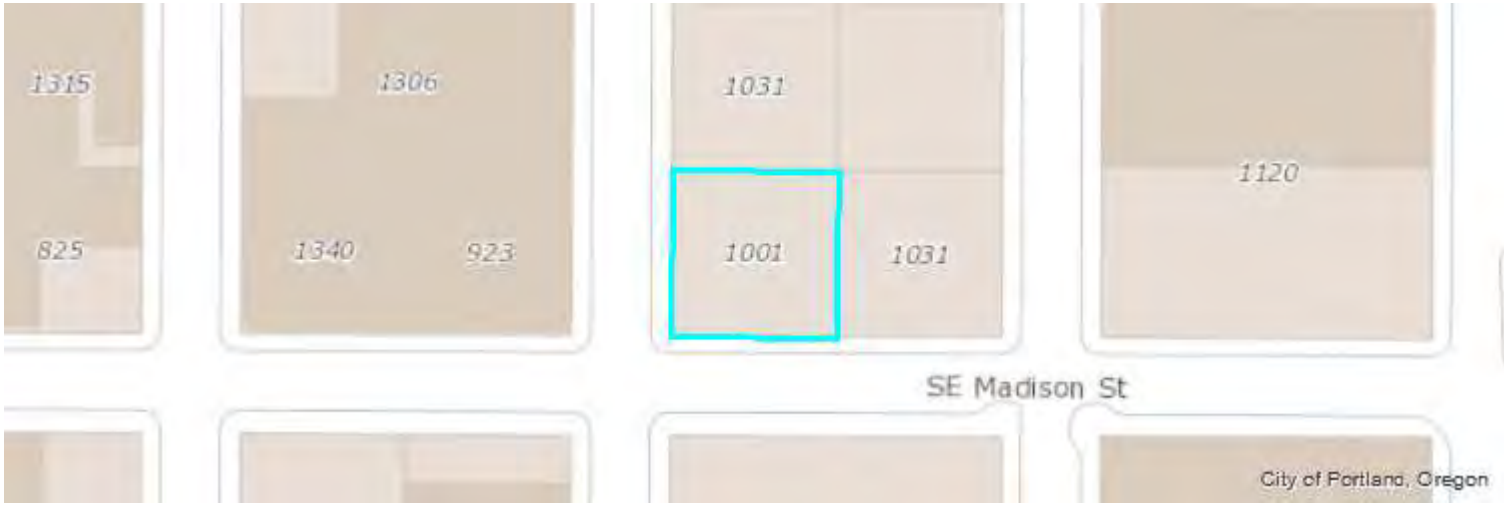
Code	Description
130L	CITY OF PORTLAND - NEW LEVIES
130M	CITY OF PORTLAND PARKS LOP
143	METRO

Tax History

Year	Property Tax	Total Tax
2015	$2,943.09	$2,943.09
2014	$2,960.80	$2,960.80
2013	$2,955.95	$2,955.95
2012	$2,809.60	$2,809.60
2011	$2,800.03	$2,800.03

Tax Maps

Quarter Section	Size
1s1e02bd (Current Property)	487.5 KB
1s1e02	139.8 KB
1s1e02aa	425.9 KB
1s1e02ab	231.9 KB
1s1e02ac	570.6 KB



1001 SE MADISON ST

PORTLAND, OR 97214

ASSESSOR

Address	1001 SE MADISON ST
Address2	PORTLAND, OR 97214
City	PORTLAND
Property ID	R176885
Tax Roll	HAWTHORNE PK, BLOCK 213, LOT 7&8
Use	INDUSTRIAL SPECIAL PURPOSE
Lot	7&8
Block	213
County	Multnomah
State ID	1S1E02BD 7300
Alt Account Number	R366701930
Map Number	3131 OLD
Land Type	INDUSTRIAL LAND
Total Land Area	0.23 acres (10,000 sq ft)
Assessor Update Date	02/29/2016 7:23AM

Owner

Name	CUSTOM STAMPING & MFG CO
Type	OWNER (PRIMARY)
Address	PO BOX 14340
City	PORTLAND
State	OR
Zip Code	97293-0340

Improvements

Improvement Type	MISC YARD IMPROVEMENTS
Improvement Value	$1,470.00
Construction Style	1
Number Of Segments	1

Segment Number	Segment Type	Class	Area Sq Ft
1	FENCE	1	

Assessment History

Year	Improvements	Land	Special Use	Real Market	Exemptions	Assessed
2015	$1,470.00	$173,680.00	$0.00	$175,150.00	$0.00	$125,090.00
2014	$1,530.00	$173,680.00	$0.00	$175,210.00	$0.00	$121,450.00
2013	$1,580.00	$173,680.00	$0.00	$175,260.00	$0.00	$117,920.00
2012	$1,630.00	$173,680.00	$0.00	$175,310.00	$0.00	$114,490.00
2011	$1,680.00	$173,680.00	$0.00	$175,360.00	$0.00	$111,160.00

Tax Districts

Code	Description
101	PORT OF PORTLAND
130	CITY OF PORTLAND
130L	CITY OF PORTLAND - NEW LEVIES
130M	CITY OF PORTLAND PARKS LOP
143	METRO

Tax History

Year	Property Tax	Total Tax
2015	$2,850.39	$2,850.39
2014	$2,862.64	$2,862.64
2013	$2,829.67	$2,829.67
2012	$2,574.52	$2,574.52
2011	$2,477.62	$2,477.62

Tax Maps

Quarter Section	Size
1s1e02bd (Current Property)	487.5 KB
1s1e02	139.8 KB
1s1e02aa	425.9 KB
1s1e02ab	231.9 KB
1s1e02ac	570.6 KB

722-9

Date 8-31 1983

CITY OF PORTLAND, OREGON
BUREAU OF FIRE — FIRE PREVENTION DIVISION
55 S. W. Ash Street
Oil Burner and L. P. Gas Permit Application

Permit No. 1294

Fee $3.00 for Oil, $10.00, $20.00 or $100.00 for L.P. Gas must accompany application. Make check payable to City Treasurer.

Address 1240 SE 9th Portland Occupancy Commercial

Installed for Hart Kind of Heating Plant: Warm Air X Steam

Applicant Truck & Trailer Specialist Tel 239 7899 Hot Water

Fuel Tank — Capacity and Location

Underground		Exposed	
	Street		Integral
	Yard	120	Detached
TANK	Basement		Basement

OIL BURNER

Name Certificate of Approval No.

Type Model

Inspected by Conventional Unit

Horz. Unit Circ.

Floor Furnace Conv.

Date Fuel Oil Pac. Spec.

TRANSFERED FROM PREVIOUS BUSINESS SITE

FIRE INSPECTOR'S REPORT

Piping Unit and Piping L. P. Gas

Fill Vent Suction Return

Valves Wall Tank Thermostatic

Inspected by Date

Vapor Digital Transfer

Withdrawal Pressure Pump

Inspected by Date 10-3-83

(Installation to be in conformance with Ordinance No. 130972 and under supervision of the Fire Marshal. NOTE: Before any portion of the street is used, owner of property must apply to City Engineer for permit to use street.

Notify Fire Marshal for inspection before tank or pipes are covered.

248-4363

10398

Date 3/24 1953

CITY OF PORTLAND, OREGON
BUREAU OF FIRE--FIRE PREVENTION DIVISION
55 S. W. Ash Street

Oil Burner and L. P. Gas Permit Application

Permit No. 72868
Fee $1.50 for Oil, $2.50 for L. P. must accompany application. Make check payable to City Treasurer.

Address 1306 S.E. 9th Occupancy Trailer Mfg. & repair

Installed for Pierce Trailer Co. Kind of Heating Plant Steam

Applicant R. C. Schreiber Tel. Ea 3191

FUEL TANK

Capacity 1,000 Gal.

LOCATION

Underground	Exposed
Street	Integral
Yard ✓	Detached
Basement	Basement

OIL BURNER

Name

Type C.V.P. Model No.

Approved for Fuel Oil Pac. Spec.

TANK-PIPING

OCT 1 1953

Inspected by Date

FIRE INSPECTOR'S REPORT

OIL BURNER

Inspected by Date

Installation to be in conformance with Ordinance No. 78461 and under supervision of the Fire Marshal. Note: Before any portion of street area is used, owner of property must apply to City Engineer for permit to use street.

Notify Fire Marshal for inspection before tank or pipes are covered.

6201

Date 4/2 1953

CITY OF PORTLAND, OREGON
BUREAU OF FIRE--FIRE PREVENTION DIVISION
55 S. W. Ash Street
Oil Burner and L. P. Gas Permit Application

Permit No. 72952
Fee $1.50 for Oil, $2.50 for L. P. must accompany application. Make check payable to City Treasurer.

Address 1306 SE 9th Occupancy Mfg
Installed for Pierce Trailer Co. Kind of Heating Plant Steam
Applicant A. W Montenson Tel

FUEL TANK

Capacity 2000 Gal.

LOCATION

Underground	Exposed
Street ✓	Integral
Yard	Detached
Basement	Basement

OIL BURNER

Name Cleaver Brooks
Type Pressure Model No LR1
Approved for Fuel Oil Pac. Spec. 60.905

TANK-PIPING

Inspected by [illegible] Date 4/7/53

FIRE INSPECTOR'S REPORT

Inspected by Date

OIL BURNER

Inspected by Date

Installation to be in conformance with Ordinance No. 78461 and under supervision of the Fire Marshal. Note: Before any portion of street area is used, owner of property must apply to City Engineer for permit to use street.

Notify Fire Marshal for inspection before tank or pipes are covered.

6305

1306 SE 9TH AVE

PORTLAND, OR 97214

ZONING & DISTRICTS

Zoning

Base	IG1 - General Industrial 1
Overlay	n/a
Comp Plan	IS - Industrial Sanctuary
Comp Plan Overlay	n/a
Historic District	n/a
Conservation District	n/a
Plan District	CC - Central City Plan District
Natural Resource Management District	n/a
Quarter Section	3131

Historic Resource

n/a

Urban Renewal Area

Property Eligible	Yes
District	Central Eastside

Business District(s)

Name	Central Eastside Industrial
Address	PO Box 14251 Portland, OR 97293-0251
Website	http://ceic.cc/

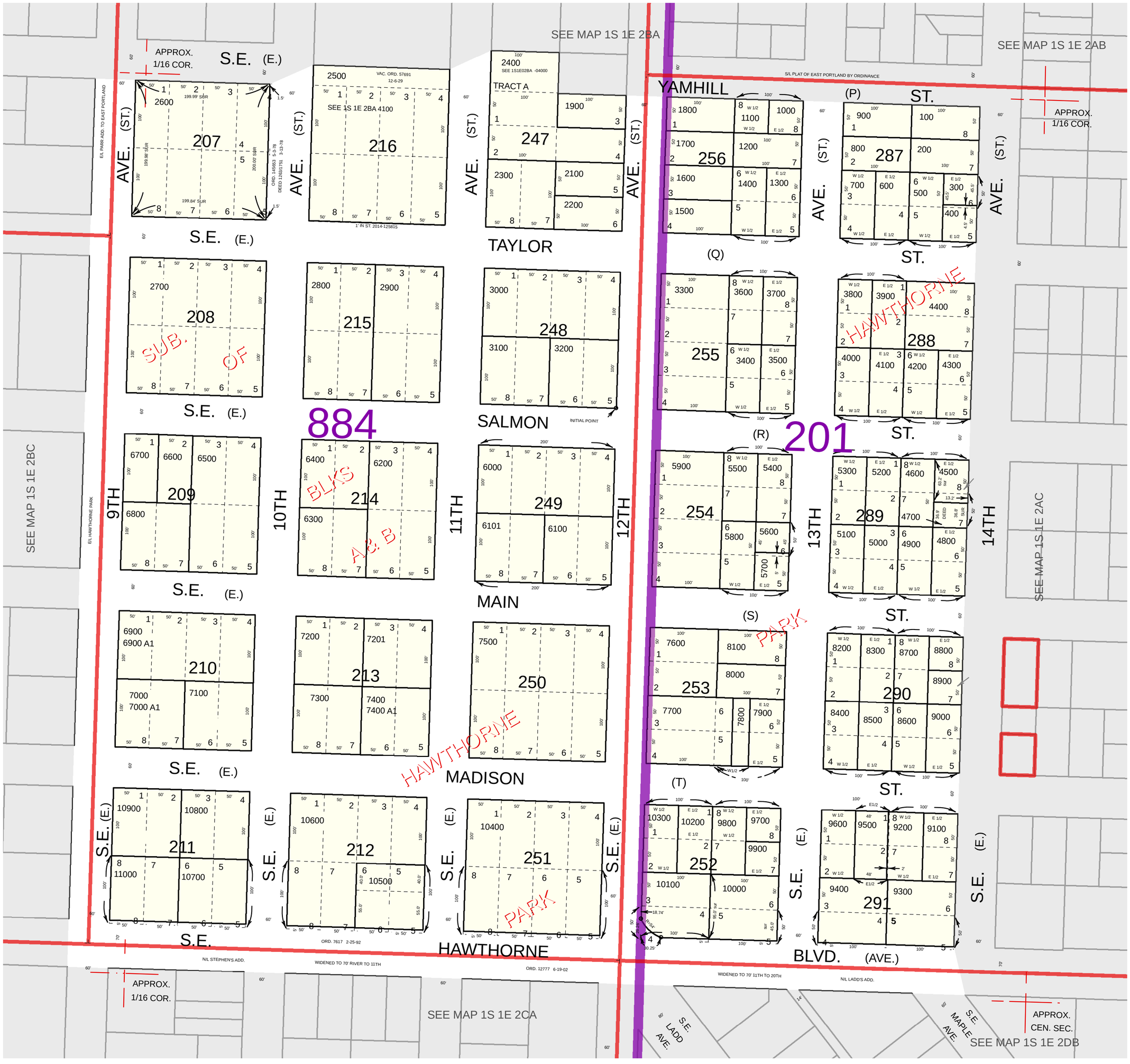
Development Areas

Combined Opportunity Map Score	5
Enterprise and E-Commerce Zone	No
East Portland Enterprise Zone	No
HOLTE Eligibility Area for 2 Bedroom Units	Yes
Multiple-Unit Limited Tax Exemption Area	Yes
Wellhead Protection Area	No
Low-Moderate Income Neighborhood	Yes
Main Street Area	No
Neighborhood Stabilization Program 1 Target Area	No
Neighborhood Stabilization Program 3 Target Area	No
Neighborhood Prosperity Initiative Investment Area	No
N/NE Neighborhood Housing Plan Area	No

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY

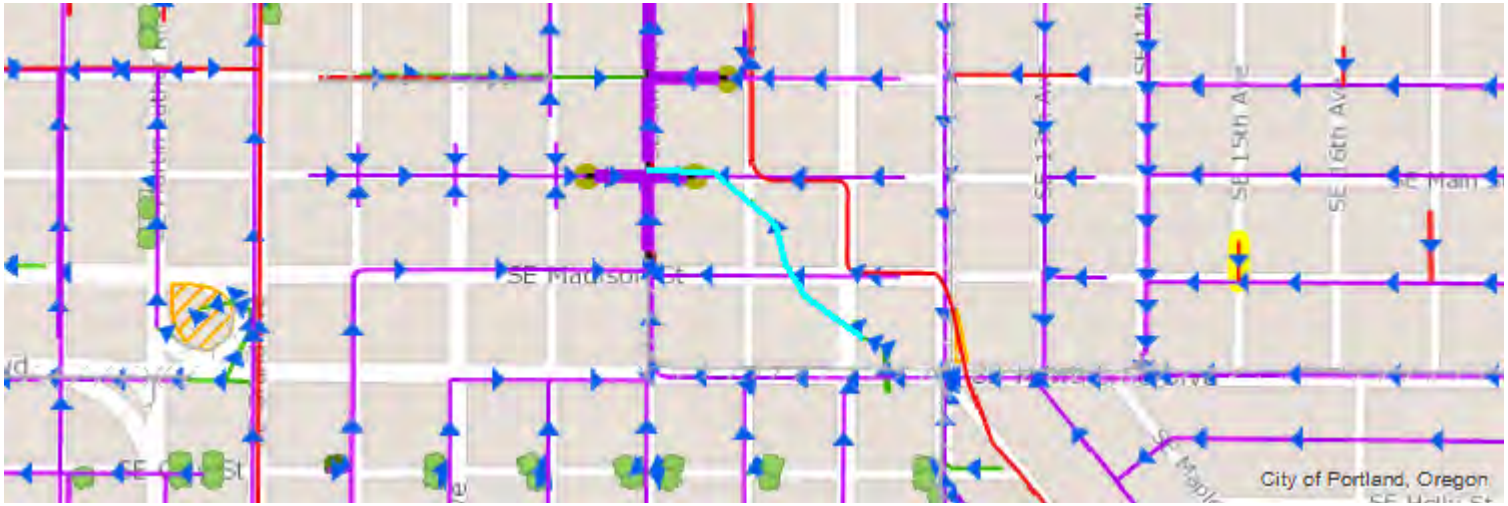
S.E.1/4 N.W.1/4 SEC.2 T.1S. R.1E. W.M.
MULTNOMAH COUNTY
1" = 100'

1S 1E 2BD
PORTLAND



5/27/2015

1S 1E 2BD
PORTLAND



SEWER - MAIN/CHANNEL

139661

STMN ABR209 TO ABQ992

Address	1120 SE MADISON ST
Area	ALDER
Subarea	3131
Location	STHT
District	SOUT
Map Number	
As Built	21477
Install Date	01/01/1913 12:00AM
Service Status	IN
Owner	PRIV
Main Type	STML STORM GRAVITY MAIN
Pipe Shape	CIRC CIRCULAR (PIPE)
Pipe Length	780
Ups Depth	21
Elevation	28.2000007629

Comments	HAWTHORNE SPRINGS DRAIN. UPS MH IN BASEMENT PIPE TYPE: D0 TO D32 IS 20" HDPE (RECONSTRUCTED BY JOB 5886)
Pipe Type	VSP VITRIFIED CLAY SEWER PIPE
Pipe Size	20
Slope	0.00128205128205
Dwn Depth	0
Dwn Elevation	27.2000007629

Associated Manholes

Asset ID	Service Status	Address	Flow
SMH ABQ992	IN	1300 SE 9TH AVE	OUT
STMH ABR209	IN	1120 SE MADISON ST	IN

Work Order History

Work Order Number	Asset ID	Activity
71154	STMN ABR209 TO ABQ992	R/RSHS - DNU R/R SHALLOW SHAFT

BUREAU OF BUILDINGS

REPORT OF PLUMBING INSPECTION

Date 5/20/92

Address 925 SE MAIN Permit 122258

Owner

Contractor A.A. EXCAVATION/BACKLOW AND TRACTOR

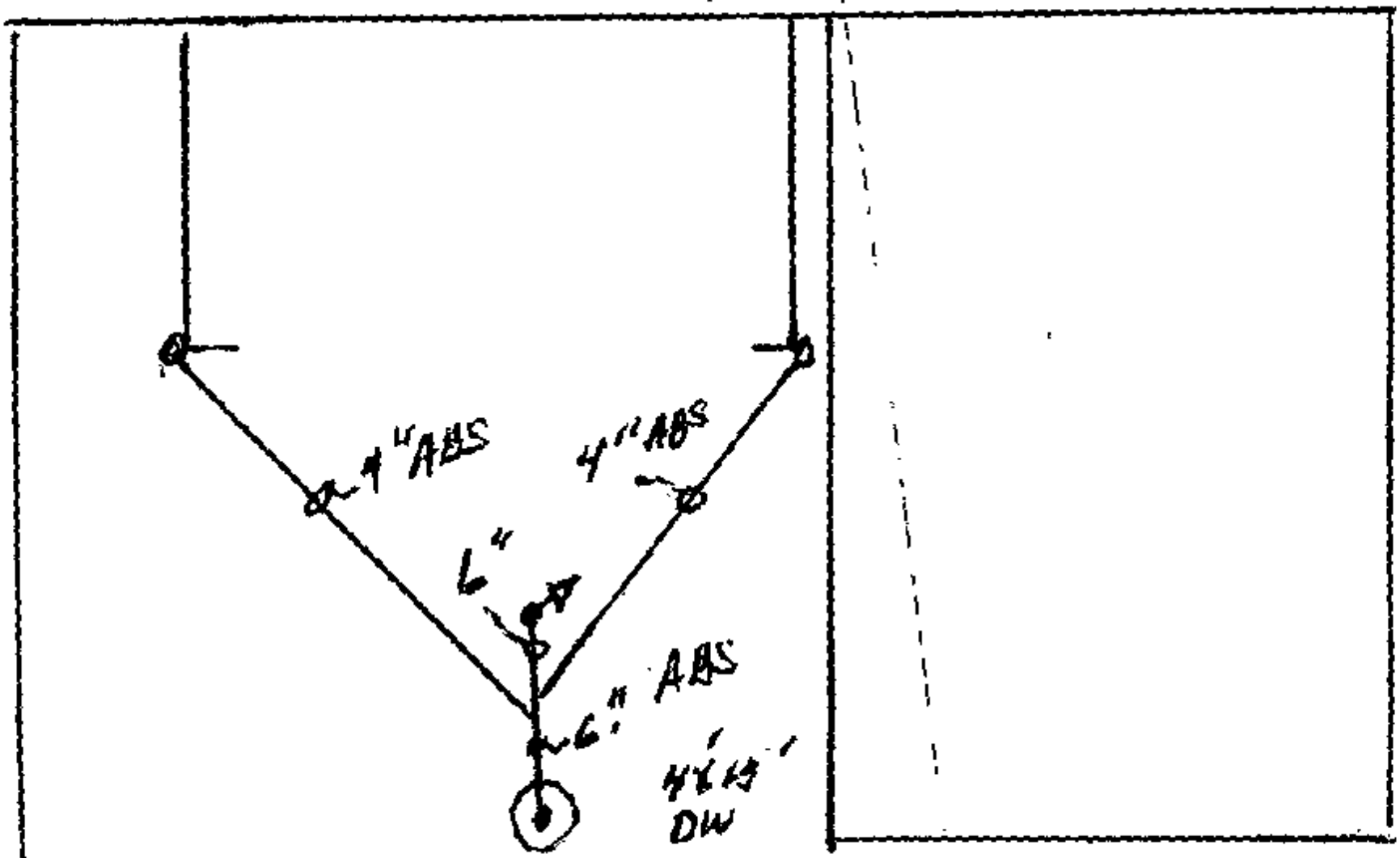
Stories and Class of Building COMMERCIAL

Water Closets	Hot Water Tank	Conn. Cesspool
Shower	Auto Cl. Washer	Seepage Trench
Bathtub	Auto Dishwasher	Dry Wells
Basins	Service Sinks	Conn. Sewer 50' $36
Kitchen Sink	Urinals	Conn. Storm
Disposal	Fountains	Sewer Cap
Laundry Tray	Floor Drain	Catch Basin
Heat Pump	Area Drain	Heat Exchanger
Water Service	Rain Drains 50' $36	Solar Panel

Remarks 50' RAINDRAIN "50' STORM W/CATCH BASIN AND DRYWELL NEW

Date of Cover Inspection Date of Final Inspection 5-21-92

Inspector Inspector


4" ABS
4" ABS
6"
6" ABS
4½'
DW

B

BUREAU OF BUILDINGS

REPORT OF PLUMBING INSPECTION

Date 8/14/90

Address 1001 SE Madison

Permit 10400

Owner Custom Stanping

Contractor Bill Heard

Stories and Class of Building

Water Closets	Hot Water Tank	Conn. Cesspool
Shower	Auto Cl. Washer	Seepage Trench
Bathtub	Auto Dishwasher	Dry Wells
Basins	Service Sinks	Conn. Sewer
Kitchen Sink	Urinals	Conn. Storm
Disposal	Fountains	Sewer Cap $36
Laundry Tray	Floor Drain	Catch Basin
Heat Pump	Area Drain	Heat Exchanger
Water Service	Rain Drains	Solar Panel

Remarks 12ft east of west prop. line of 10th 3ft deep 4" CI

Date of Cover Inspection

Date of Final Inspection 8-30-90

Inspector

Inspector

Form W-89

1001 S.E

3-21-24

BUREAU OF BUILDINGS

REPORT OF PLUMBING INSPECTION

Street and No. ~~501 E.~~ Madison St. Permit No. 46890

Owner Oregonian Publishing Co

Contractor same

Lot 7&8 Block 213 Addition Hawthorne

Stories and class of building 2 sty new concrete factory

Water Closets 1 Sinks 1 Urinals

Bath Tubs Laundry Tubs Slop Sinks

Basins 1 Floor Drains Connected to sewer

Rain Drains 3 Connected to Sewer

Kind of Vents Cal Kind of Drains

No. and Size of Stacks 1 - 4" Total No. Fixtures

Other Plumbing Fixtures

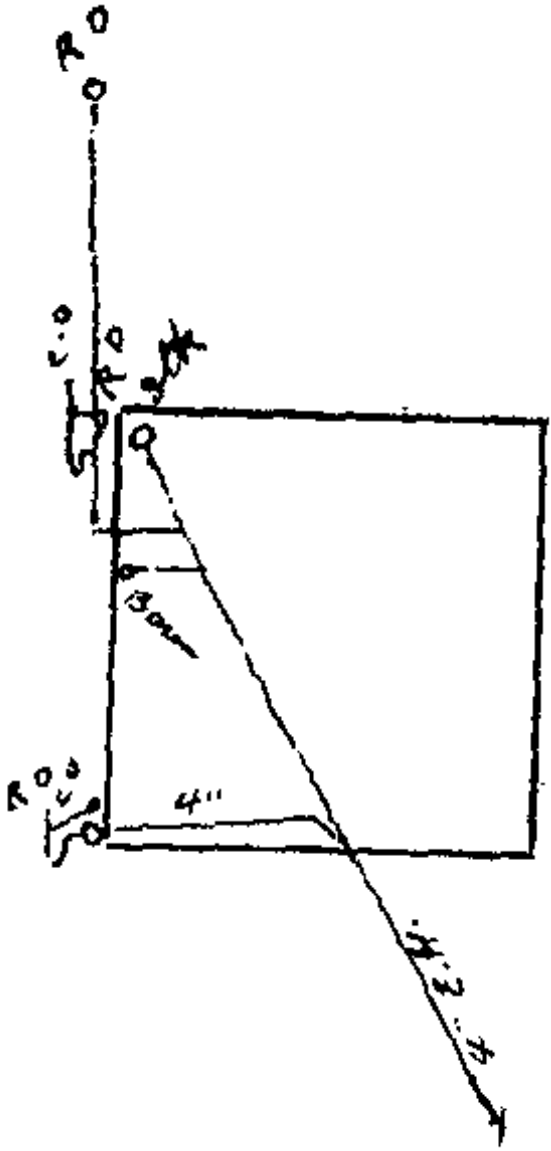
Water Permits 3-21-24-55513

Date of First Inspection 3-26-24 Date of Final Inspection 4-19-24

Whitehead Inspector. Whitehead Inspector

Date of First Certificate Date of Final Certificate

Toilet in Stack
Sink in " 4 x 1½ Tee
Bath to Stack 1½
Barn not set 4-19-24



BUREAU OF BUILDINGS

REPORT OF PLUMBING INSPECTION

Date 6/12/36

Address 1240 S. E. 9th Ave. Permit 116836

Lot S½ 7 & 8 Block 209 Add Hawthorne Park

Owner A. C. Meyers

Contractor Christy & Radford

Stories and class of building 1 story new cement shop

Water Closets 1	Laundry Tubs	Urinals
Bath Tubs 1	Floor Drains	Slop Sinks
Basins	Catch Basins	Beer Cabinets
Rain Drains 2	Shower Baths	Refr. Drains
Sinks 1	Soda Fountains	Water Service 1-¾"

No. and Size of Stacks Connected to Sewer

Water Permits 111307 Sewer Permit 37577

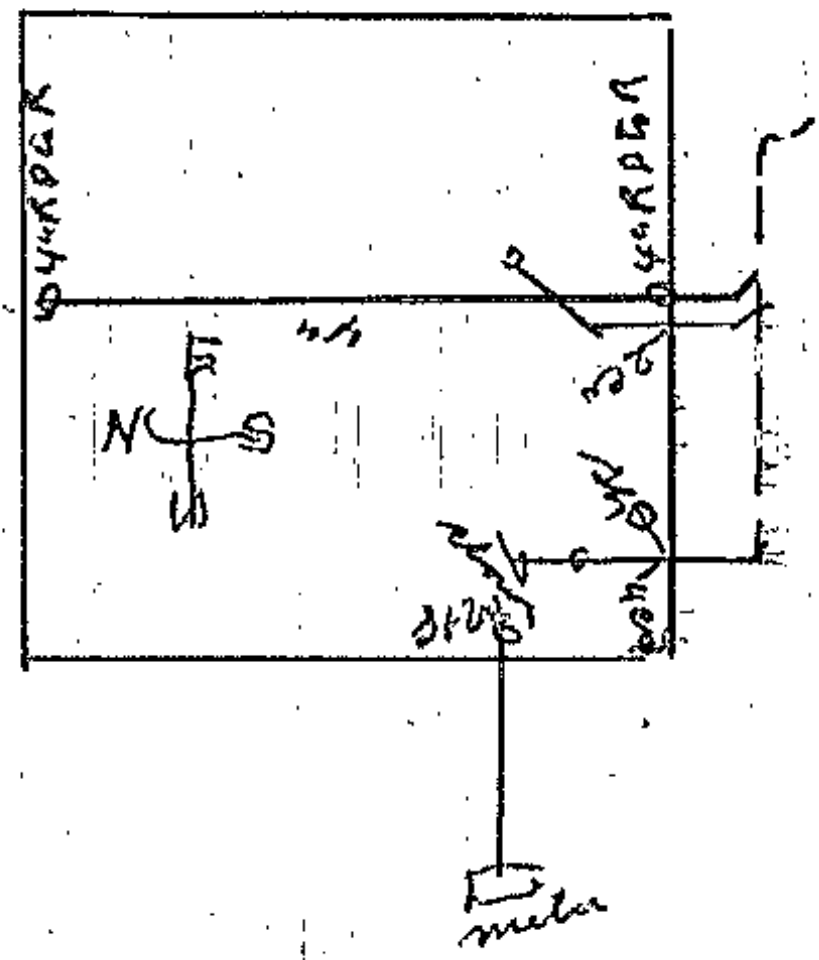
Other Plumbing Fixtures One sewer connection.

Date of First Inspection 7-11-36 Date of Final Inspection

Inspector. Inspector.

Date of First Certificate Date of Final Certificate

Rain drains
1st floor toilet & shower 2" & 1½
Bleeding Toilet on 2nd
2" Bottom Spring
Sink 1½ to st to 4x2 see
Basin on Balcony 1½ to st 4x1 Back
1½ Jack waste to 1st floor



FORM W-89
(5-2-52)

BUREAU OF BUILDINGS
REPORT OF PLUMBING INSPECTION

Date 1/6/55

Address 1306 S. E. 9th Avenue — Permit 53068

Lot — Blk — Add —

Owner Pierce Truck & Trailer Equip. Co.

Contractor Harder Plbg & Htg, Inc

Stories and class of building 1-story new commercial

Toilets	Floor Drains	Beer Cab
Bath Tubs	Rain Drains 1	Refr. Drains
Bath Showers	Fountains	Urinals
Basins	H. W. Tanks	Catch Basins Gar. 1
Sinks	Cesspool	Water Service
Laundry Trays	Dry Wells	Conn. To Sewer
Water Permit	Bldg. Pmt 347087	Sewer Permit 68846

Remarks Sewer 1-14-55 - A. Pope.

Date of First Inspection 1-5-55 — Date of Final Inspection 6-9-55

C.Z.B. Inspector — Inspector

Old Bldg.
4" C.I.
Sump
Sidewalk
Slopes To Roof
RD

FORM F-89
(2-1-49)

BUREAU OF BUILDINGS
REPORT OF PLUMBING INSPECTION

Date 2/20/52

Address 1306 S. E. 9th Avenue Permit 29678

Lot Blk Add

Owner Pierce Trailer & Equipment Co.

Contractor I. L. Howk Plbg Co.

Stories and class of building old cement commercial

Toilets	Floor Drains 1	Beer Cab
Bath Tubs	Rain Drains	Refr. Drains
Bath Showers	Fountains	Urinals
Basins	H. W. Tanks	Catch Basins
Sinks	Cesspool	Water Service
Laundry Trays	Dry Wells	Conn. To
Water Permit	Bldg. Pmt	Sewer Permit

Remarks

Date of First Inspection 1-20-52 Date of Final Inspection 1-25-52

CZS Inspector [signature] Inspector

Radiator
Radiant steel panel
Heating Bench
Junior desk

FORM W-8.9
(8-10-39)

BUREAU OF BUILDINGS

REPORT OF PLUMBING INSPECTION

Date 12/4/40

Address 1306 S. E. 9th Ave. Permit 146213

Lot 1-2-3-4 Blk 210 Add. Hawthorne Park

Owner L. H. Pierce

Contractor Widmer Plbg. & Htg. Co.

Stories and class of building 1½ story new concrete whse-factory

Toilets 3	Laundry Trays	Beer Cabinets
Bath Tubs	Floor Drains	Refr. Drains
Bath Showers	Rain Drains	Urinals 2
Basins 1	Fountains 1 drk'g	Catch Basins 2 gar.
Sinks 1 & 1 dishw.	Bar-Slop Sinks	Water Service 1
No. and Size of Stacks	Connected to Sewer	
Water Permits 139333-139457	Sewer Permit 43886	

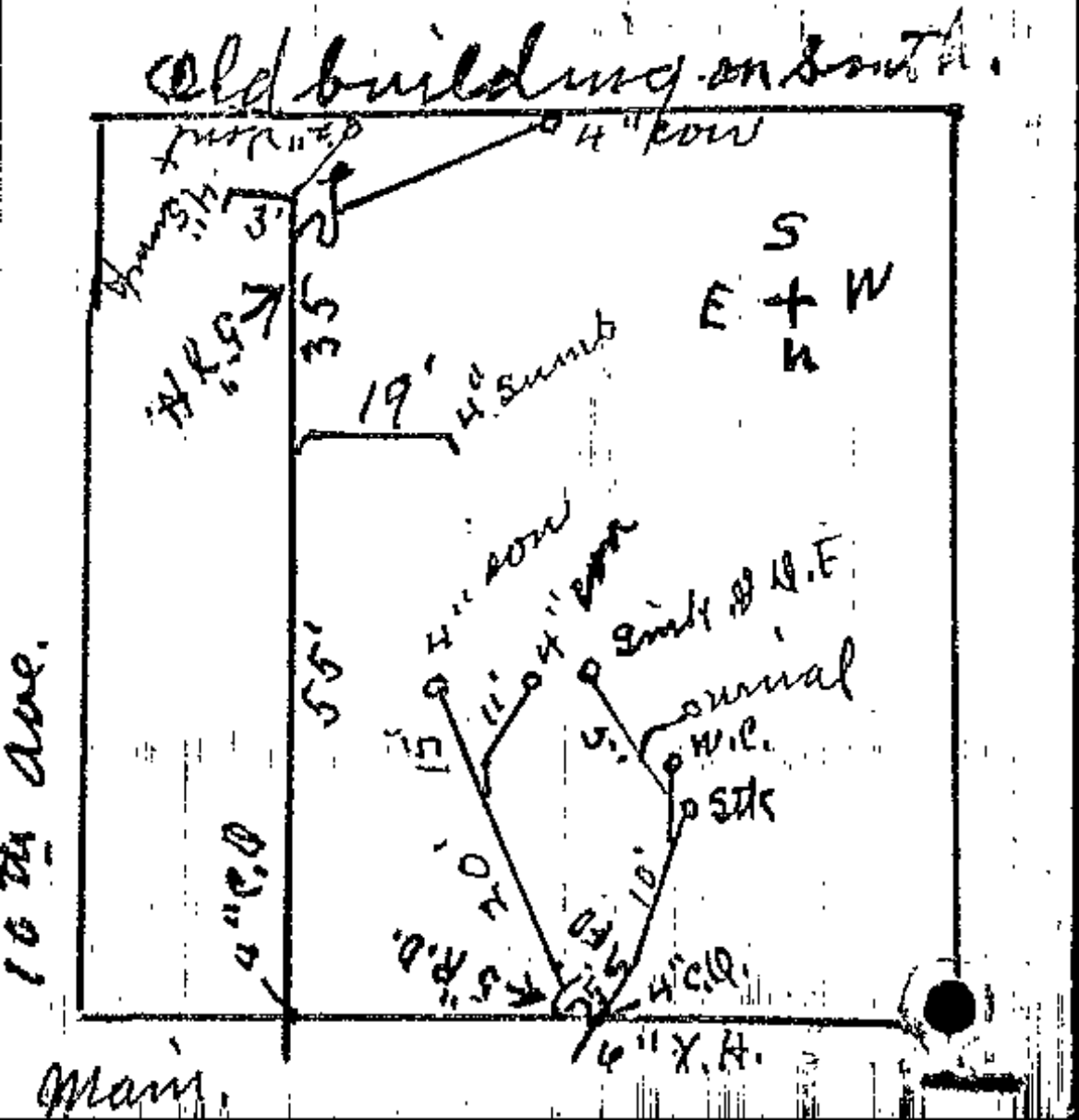
Other Plumbing Fixtures One hot water tank.

Date of First Inspection 2-4-41 Date of Final Inspection 10/9/41

H. W. D. Inspector L. W. D. Inspector

Date of First Certificate Date of Final Certificate

W.C. Stk.
1st floor W.C. vent to 4½ plate.
1st " Urinal vent to 2x1½ tee.
2nd W.C. vent East 2" to roof.
1st floor sink and drinkfountain
vent to 2x1½ tee.
2nd Urinal vent 2" to 2" tee.
2nd Washstand vent 1½" to roof.
2nd Basin vent 1¼" to roof.



APPENDIX D

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0169217

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	GEO DESIGN, INC.	Job# / P.O. #:	CAPSTONE-12-0
Address:	15575 SW SEQUOIA PKWY, STE 100	Date Received:	04/15/2016
	PORTLAND, OR 97224	Date Analyzed:	04/20/2016
Collected:	04/13/2016	Date Reported:	04/20/2016
Project Name:	CUSTOM STAMPING	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	KEVIN CLINE
		Collected By:	

Lab ID / Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	(%)	Non-Asbestos Constituents	(%)
0169217-001 AS-01		LAYER 1 Cove Base, Gray	No	None Detected		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Off White	No	None Detected		Cellulose Fiber Carbonates Binder/Filler	1% 99%
		LAYER 3 Mastic, Brown	No	None Detected		Cellulose Fiber Quartz Gypsum Binder/Filler	1% 99%
0169217-002 AS-02		LAYER 1 Drywall, White/ Brown	No	None Detected		Cellulose Fiber Fibrous Glass Gypsum Carbonates Mica Quartz	10% 2% 88%
		LAYER 2 Texture, White/ Off White	No	None Detected		Cellulose Fiber Carbonates Mica Quartz Binder/Filler	1% 99%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0169217

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	GEO DESIGN, INC.	Job# / P.O. #:	CAPSTONE-12-0
Address:	15575 SW SEQUOIA PKWY, STE 100	Date Received:	04/15/2016
	PORTLAND, OR 97224	Date Analyzed:	04/20/2016
Collected:	04/13/2016	Date Reported:	04/20/2016
Project Name:	CUSTOM STAMPING	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	KEVIN CLINE
		Collected By:	

Lab ID / Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	(%)	Non-Asbestos Constituents	
0169217-003 AS-03		LAYER 1 Floor Tile, Brown	No	None Detected		Wollastonite Carbonates Quartz Binder/Filler	3% 97%
		LAYER 2 Mastic, Black	Yes	Chrysotile	5%	Wollastonite Cellulose Fiber Quartz Carbonates Binder/Filler	2% 3% 90%
		LAYER 3 Floor Tile, Green	Yes	Chrysotile	3%	Carbonates Quartz Binder/Filler	 97%
		LAYER 4 Mastic, Black	Yes	Chrysotile	5%	Wollastonite Quartz Carbonates Binder/Filler	2% 93%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0169217

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	GEO DESIGN, INC.	Job# / P.O. #:	CAPSTONE-12-0
Address:	15575 SW SEQUOIA PKWY, STE 100	Date Received:	04/15/2016
	PORTLAND, OR 97224	Date Analyzed:	04/20/2016
Collected:	04/13/2016	Date Reported:	04/20/2016
Project Name:	CUSTOM STAMPING	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	KEVIN CLINE
		Collected By:	

Lab ID / Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	(%)	Non-Asbestos Constituents	
0169217-004 AS-04		LAYER 1 Linoleum, Red/ Orange	No	None Detected		Cellulose Fiber	10%
						Synthetic Fiber	5%
						Fibrous Glass	3%
						Wollastonite	2%
						Carbonates	
						Binder/Filler	80%
		LAYER 2 Mastic, Off White Note: Difficult to separate adjacent layer	No	None Detected		Cellulose Fiber	2%
						Fibrous Glass	1%
						Wollastonite	1%
						Quartz	
						Gypsum	
						Carbonates	96%
		LAYER 3 Floor Tile, Green	Yes	Chrysotile	5%		
						Carbonates	
						Quartz	
						Binder/Filler	95%
		LAYER 4 Mastic, Black	No	None Detected		Cellulose Fiber	3%
						Quartz	
						Carbonates	
						Binder/Filler	97%
0169217-005 AS-05		LAYER 1 Floor Tile, Gray	No	None Detected			
						Carbonates	
						Quartz	
						Binder/Filler	100%
		LAYER 2 Mastic, Black	No	None Detected		Cellulose Fiber	3%
						Synthetic Fiber	2%
						Quartz	
						Carbonates	
						Binder/Filler	95%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0169217

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	GEO DESIGN, INC.	Job# / P.O. #:	CAPSTONE-12-0
Address:	15575 SW SEQUOIA PKWY, STE 100	Date Received:	04/15/2016
	PORTLAND, OR 97224	Date Analyzed:	04/20/2016
Collected:	04/13/2016	Date Reported:	04/20/2016
Project Name:	CUSTOM STAMPING	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	KEVIN CLINE
		Collected By:	

Lab ID / Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	(%)	Non-Asbestos Constituents	
0169217-006 AS-06		LAYER 1 Floor Tile, Lt. Blue	No	None Detected		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic/ Leveling Compound, Yellow/ Off White Note: Difficult to separate adjacent layer	No	None Detected		Cellulose Fiber Carbonates Gypsum Quartz Binder/Filler	2% 98%
0169217-007 AS-07		LAYER 1 Floor Tile, Blue	No	None Detected		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No	None Detected		Cellulose Fiber Carbonates Gypsum Binder/Filler	5% 95%
0169217-008 AS-08		Window Sealant, Gray	No	None Detected		Carbonates Gypsum Quartz Binder/Filler	 100%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0169217

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	GEO DESIGN, INC.	Job# / P.O. #:	CAPSTONE-12-0
Address:	15575 SW SEQUOIA PKWY, STE 100	Date Received:	04/15/2016
	PORTLAND, OR 97224	Date Analyzed:	04/20/2016
Collected:	04/13/2016	Date Reported:	04/20/2016
Project Name:	CUSTOM STAMPING	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	KEVIN CLINE
		Collected By:	

Lab ID / Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	(%)	Non-Asbestos Constituents	
0169217-009 AS-09		LAYER 1 Plaster-Scratch Coat, Lt. Gray/ Black	No	None Detected		Gypsum Quartz Carbonates Mica Binder/Filler	100%
		LAYER 2 Plaster-Finish Coat, Lt. Beige	No	None Detected		Cellulose Fiber Quartz Gypsum Carbonates Binder/Filler	<1% 99%
		LAYER 3 Texture / Paint, White/ Off White	No	None Detected		Carbonates Mica Quartz Binder/Filler	100%
0169217-010 AS-10		LAYER 1 Floor Tile, Brown	Yes	Chrysotile	5%	Carbonates Quartz Binder/Filler	95%
		LAYER 2 Mastic, Black	No	None Detected		Cellulose Fiber Quartz Carbonates Binder/Filler	5% 95%
		LAYER 3 Vapor Barrier, Black	No	None Detected		Cellulose Fiber Gypsum Binder/Filler	55% 45%
		LAYER 4 Mastic, Brown	No	None Detected		Cellulose Fiber Gypsum Binder/Filler	5% 95%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0169217

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	GEO DESIGN, INC.	Job# / P.O. #:	CAPSTONE-12-0
Address:	15575 SW SEQUOIA PKWY, STE 100	Date Received:	04/15/2016
	PORTLAND, OR 97224	Date Analyzed:	04/20/2016
Collected:	04/13/2016	Date Reported:	04/20/2016
Project Name:	CUSTOM STAMPING	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	KEVIN CLINE
		Collected By:	

Lab ID / Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	(%)	Non-Asbestos Constituents	(%)
0169217-011 AS-11		LAYER 1 Floor Tile, Blue	No	None Detected		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No	None Detected		Cellulose Fiber Carbonates Gypsum Quartz Binder/Filler	2% 98%
0169217-012 AS-12		LAYER 1 Floor Tile, Brown	No	None Detected		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Clear	No	None Detected		Cellulose Fiber Carbonates Binder/Filler	<1% 99%
0169217-013 AS-13		LAYER 1 Cove Base, Brown	No	None Detected		Carbonates Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No	None Detected		Cellulose Fiber Carbonates Binder/Filler	3% 97%
0169217-014 AS-14		LAYER 1 Acoustical Ceiling Tile, White/ Brown	No	None Detected		Cellulose Fiber Carbonates Gypsum Binder/Filler	90% 10%
		LAYER 2 Mastic, Dk. Brown	No	None Detected		Cellulose Fiber Quartz Carbonates Binder/Filler	3% 97%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0169217

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	GEO DESIGN, INC.	Job# / P.O. #:	CAPSTONE-12-0
Address:	15575 SW SEQUOIA PKWY, STE 100	Date Received:	04/15/2016
	PORTLAND, OR 97224	Date Analyzed:	04/20/2016
Collected:	04/13/2016	Date Reported:	04/20/2016
Project Name:	CUSTOM STAMPING	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	KEVIN CLINE
		Collected By:	

Lab ID / Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	(%)	Non-Asbestos Constituents	
0169217-015 AS-15		LAYER 1 Floor Tile, Beige	No	None Detected		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Lt. Brown	No	None Detected		Cellulose Fiber Carbonates Binder/Filler	5% 95%
0169217-016 AS-16		LAYER 1 Floor Tile, Beige	Yes	Chrysotile	3%	Carbonates Quartz Binder/Filler	97%
		LAYER 2 Mastic, Yellow	No	None Detected		Cellulose Fiber Quartz Carbonates Binder/Filler	2% 98%
0169217-017 AS-17		Window Sealant, Brown/ Gray	No	None Detected		Carbonates Gypsum Quartz Binder/Filler	100%
0169217-018 AS-18		LAYER 1 Drywall, White/ Brown	No	None Detected		Cellulose Fiber Fibrous Glass Gypsum Carbonates Mica Quartz	10% 2% 88%
		LAYER 2 Tape, White	No	None Detected		Fibrous Glass Carbonates	95% 5%
		LAYER 3 Texture, White/ Lt. Gray	No	None Detected		Carbonates Perlite Quartz Binder/Filler	100%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0169217

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	GEO DESIGN, INC.	Job# / P.O. #:	CAPSTONE-12-0
Address:	15575 SW SEQUOIA PKWY, STE 100	Date Received:	04/15/2016
	PORTLAND, OR 97224	Date Analyzed:	04/20/2016
Collected:	04/13/2016	Date Reported:	04/20/2016
Project Name:	CUSTOM STAMPING	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	KEVIN CLINE
		Collected By:	

Lab ID / Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	(%)	Non-Asbestos Constituents	
0169217-019 AS-19		LAYER 1 Floor Tile, White/ Blue	No	None Detected		Carbonates Quartz Binder/Filler	100%
		LAYER 2 Mastic, Yellow	No	None Detected		Cellulose Fiber Synthetic Fiber Quartz Carbonates Binder/Filler	5% 2% 93%
		LAYER 3 Caulking, White	No	None Detected		Carbonates Perlite Quartz Binder/Filler	100%
0169217-020 AS-20		LAYER 1 Floor Tile, Brown	Yes	Chrysotile	5%	Carbonates Quartz Binder/Filler	95%
		LAYER 2 Mastic, Black Note: Difficult to separate adjacent layer	Yes	Chrysotile	3%	Quartz Carbonates Binder/Filler	97%
		LAYER 3 Floor Tile, Pink	Yes	Chrysotile	10%	Carbonates Gypsum Quartz Binder/Filler	90%
		LAYER 4 Mastic, Tan Note: Difficult to separate adjacent layer	Yes	Chrysotile	2%	Cellulose Fiber Quartz Gypsum Carbonates Binder/Filler	3% 95%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0169217

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	GEO DESIGN, INC.	Job# / P.O. #:	CAPSTONE-12-0
Address:	15575 SW SEQUOIA PKWY, STE 100	Date Received:	04/15/2016
	PORTLAND, OR 97224	Date Analyzed:	04/20/2016
Collected:	04/13/2016	Date Reported:	04/20/2016
Project Name:	CUSTOM STAMPING	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	KEVIN CLINE
		Collected By:	

Lab ID / Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	(%)	Non-Asbestos Constituents	
0169217-021		LAYER 1	No	None Detected		Cellulose Fiber	85%
AS-21		Acoustical Ceiling Tile, White / Tan				Carbonates	
						Binder/Filler	15%
		LAYER 2	Yes	Tremolite	<1%	Non-Fibrous Tremolite	3%
		Mastic, Dk. Brown				Talc	1%
						Quartz	
						Gypsum	
						Binder/Filler	95%
0169217-022		LAYER 1	No	None Detected			
AS-22		Floor Tile, Beige/ Blue/ Pink				Carbonates	
						Quartz	
						Binder/Filler	100%
		LAYER 2	No	None Detected		Cellulose Fiber	3%
		Mastic, Yellow				Carbonates	
						Gypsum	
						Binder/Filler	97%

Analyst - Johann Hofer

Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicated or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0170038

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	GEO DESIGN, INC.	Job# / P.O. #:	CAPSTONE-12-0 CAPSTONE-12-0
Address:	15575 SW SEQUOIA PKWY, STE 100	Date Received:	05/04/2016
	PORTLAND, OR 97224	Date Analyzed:	05/06/2016
Collected:	05/03/2016	Date Reported:	05/06/2016
Project Name:	CUSTOM STAMPING	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	KEVIN CLINE
		Collected By:	

Lab ID / Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type	(%)	Non-Asbestos Constituents	
0170038-001 AS-23	WINDOW	Window Caulk, White/ Brown/ Lt. Blue	No	None Detected		Carbonates Quartz Perlite Binder/Filler	100%
0170038-002 AS-24	WINDOW	Window Caulk, White/ Lt. Blue	Yes	Chrysotile	3%	Carbonates Quartz Binder/Filler	97%
0170038-003 AS-25	WINDOW	Window Caulk, White/ Lt. Blue	Yes	Chrysotile	3%	Carbonates Quartz Binder/Filler	97%
0170038-004 AS-26	WINDOW	Window Caulk, Gray/ Lt. Blue	No	None Detected		Cellulose Fiber Carbonates Quartz Perlite Binder/Filler	<1% 99%
0170038-005 AS-27	WINDOW	Window Caulk, White/ Lt. Blue	Yes	Chrysotile	2%	Carbonates Quartz Binder/Filler	98%

EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report
0170038

Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	GEO DESIGN, INC.	Job# / P.O. #:	CAPSTONE-12-0 CAPSTONE-12-0
Address:	15575 SW SEQUOIA PKWY, STE 100	Date Received:	05/04/2016
	PORTLAND, OR 97224	Date Analyzed:	05/06/2016
Collected:	05/03/2016	Date Reported:	05/06/2016
Project Name:	CUSTOM STAMPING	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	KEVIN CLINE
		Collected By:	

Lab ID / Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents

Analyst - Kurt Kettler

Signatory - Lab Manager - Ken Scheske

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicated or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

APPENDIX E

PACIFIC GEOPHYSICS
Applied Geophysics

GEOPHYSICAL SURVEY REPORT

Custom Stamping

SE 10th Avenue and SE Main Street
Portland, Oregon

Project number: 160321
Survey Dates: April 5 and 6, 2016

Prepared for:
GeoDesign, Inc.

Contents

Introduction	1
Site Description	1
Scope of Work	1
Geophysical Equipment and Survey Procedures	2
Results	3
Conclusion	5
Limitations	6

List of Figures:

Figure 1. Site-Index Photo
Figure 2. Magnetic Contour Map – South Block
Figure 3. Magnetic Contour Map – North Block
Figure 4. Magnetic Contour Map – Southeast Block

List of Appendices:

Appendix A. Geophysical Survey Methods

Introduction

Sidewalks and parking lots located adjacent to the Custom Stamping Company buildings were investigated using a magnetometer, hand-held metal detectors and ground penetrating radar (GPR). The survey was conducted for GeoDesign for the purpose of detecting possible underground storage tanks (USTs), UST excavations (pits) and a drywell. Several tanks had reportedly been removed from one of the parking lots. Several UST vent pipes were seen attached to building walls. The survey areas were located on three different blocks.

One UST, located under the north sidewalk of the south building, was detected and outlined. One vent was related to a tank excavation in the west sidewalk of the south building. A drywell was detected in the west parking lot of the north building. The concrete sidewalks were reinforced in several locations introducing magnetic interference and creating multiple anomalies.

This report includes descriptions of the site and scope of work, methodology and results of the geophysical survey.

Site Description

The magnetic survey was conducted near the Custom Stamping Company buildings. It was conducted across parts of three blocks:

- The south block, bordered by SE Madison and Main Streets and SE 9th and 10th Avenues.
- The north block, bordered by SE Main and Salmon Streets and SE 9th and 10th Avenues.
- The southeast lots, occupying the western half of the block bordered by SE Madison and Main Streets and SE 10th and 11th Avenues.

Several surface features created significant magnetic interference that could hide buried metallic objects including possible USTs. The buildings, overhead doors, signs, poles, bollards, chain-link fencing, utility vaults, and parked cars were among the objects that caused significant magnetic interference. Two of the parking lots included in the survey were underlain with reinforced concrete, making the detection of metallic objects below the rebar difficult.

Figure 1 is an index photo showing the survey areas.

Scope of Work

The scope of the project was to detect possible USTs and pits, and to detect one reported drywell.

Jeff Mann and Nikos Tzetos of Pacific Geophysics conducted the survey for Mr. Erik Hedberg of GeoDesign on April 4 and 5, 2016. Mr. Kevin Cline of GeoDesign was on site during the survey. This report was written by Nikos Tzetos, reviewed by Jeff Mann and emailed to Mr. Hedberg on April 12, 2016.

Geophysical Equipment and Survey Procedures

General Procedures:

A magnetometer is the first instrument used to investigate a site for subsurface ferrous metallic objects because it enables the operator to rapidly scan the subsurface. Data are collected across an accurately measured survey grid established on the site. For larger areas, where it would be difficult to set up an accurate survey grid, the magnetometer can be coupled to a GPS antenna.

Upon completing the data acquisition phase of the survey, a contour map of the earth's local magnetic field is produced. Small, handheld metal detectors are then used to more thoroughly investigate the magnetic anomalies detected with the magnetometer. These instruments are excellent at detecting and characterizing buried metal objects; however, they do not record data, and are not adequate to survey large areas.

Ground Penetrating Radar (GPR) is usually the last method used to investigate a site for buried metallic objects. The shape of radar reflections produced by buried objects may assist in the interpretation of magnetic anomalies. GPR is the only instrument capable of detecting disturbed-soil zones caused by excavations or UST pits. No GPR was used at this site.

Magnetic Survey:

At this site, a Geometrics G858 Portable Cesium Magnetometer was used to acquire the magnetic data. Magnetic data were collected on an orthogonal survey grid established over the survey area with measuring tapes. Traverses were made along parallel survey lines measured to be 5 feet apart.

A colored contour map showing the earth's local magnetic field was created and printed in the field. The contour interval is 250 NT. Magnetic anomalies higher in amplitude than the normal local magnetic background are shown in red, and are usually found over areas where ferrous objects are located below the sensor. The objects may be surface objects such as manholes or other surface features, or buried objects of interest, such as USTs, drums, pipes and debris. Magnetic anomalies at or below the amplitude of the local magnetic field are shown in blue, and are caused by ferrous objects located above the sensor, such as buildings, poles, chain-link fences and other surface objects.

Surface objects can produce significant magnetic interference that can conceal buried objects of interest. The metallic objects that produced significant magnetic interference at this site are noted above in the Site Description.

Hand-held instruments:

An Aqua-Tronics A6 Tracer and a Schonstedt GA92XTd magnetic gradiometer were used to locate and investigate the anomalies detected by the magnetometer. These

instruments can pinpoint the peaks and troughs of the anomalies, and in many cases determine if an object is linear (pipe or utility) or three-dimensional (UST).

The transmitter unit of a Radio Detection RD8000 PDL pipe and cable detector may be used to electrically charge an accessible metal pipe or utility. The charged object can then be “traced” using the receiver unit. The receiver can also detect some metallic features indirectly, using the system’s “radio” function.

Ground Penetrating Radar:

Following the hand-held instrument survey, a GSSI SIR-2000 GPR system coupled to one of many antennas may be used to investigate suspicious magnetic anomalies. Radar data collected across the anomalies may give clues to the size and shape of the buried metallic objects producing them. If an object of interest like a UST is buried below the depth of penetration of the radar signal, it will be missed.

The collection of radar data is very time consuming; therefore, GPR is not a cost-effective method to “blindly” scan a site for buried metallic objects; however, radar is one of the only methods capable of detecting non-metallic features, including PVC and clay pipes, septic tanks, drywells and trenches and excavations.

Additional information regarding these instruments, methods, surveys and limitations with references can be found in the Appendix.

Results

Data were collected along survey lines measured to be 5 feet apart. Colored magnetic contour maps showing the results of the magnetic surveys were created for each block. The maps show the earth’s local magnetic field at the time of the survey. A 250 nT (nanoTesla) contour interval was used to examine the data. In all figures, magnetic anomalies higher in amplitude than the normal local magnetic background are shown in red, and are usually found over areas where ferrous objects are located below the sensor, carried at a height of about 3-feet. These objects may be surface objects such as manholes, catch basins, hydrants, or other surface features, or buried objects of interest, such as USTs, drums, pipes and debris. Magnetic anomalies at or below the amplitude of the local magnetic field are shown in blue, and are caused by ferrous objects located above the sensor. Buried objects of interest located near or under surface features that create interference -including reinforced concrete- may have been missed.

In the following figures the black-colored symbols indicate metallic surface features.

South block:
Four tanks were reportedly removed from the parking lot in the northwest corner; four vent pipes were seen above the office. Vents were seen on the north and west walls.

Figure 2 shows the results of the magnetic survey for the south block. High-frequency magnetic high and low anomalies, characteristic of reinforced concrete are seen in the parking lot. Many other magnetic anomalies were detected during the magnetometer survey. These were pin-pointed using a Schonstedt Magnetic

Gradiometer and then explored using an Aqua-Tronics Tracer metal detector. The Tracer is used to determine if a buried object is linear (a pipe or utility) or 3D in shape (a possible UST). 3D objects are investigated using a GSSI SIR2000 ground penetrating radar system and a 400 MHz radar antenna.

No 3D object was detected with the Tracer at anomaly A, while anomaly B is interpreted to be caused by reinforced concrete.

Magnetic anomaly C is caused by a 6-foot by 13-foot UST buried 3.5 feet below the surface. The vent was traced toward the tank.

Anomalies D and E are interpreted to be caused by reinforced-concrete pads in the sidewalk.

The vent on the west wall was traced toward the southwest, where GPR profiles revealed a disturbed-soil zone that may be a UST excavation.

GPR traverses were made across the concrete parking lot to detect the excavations from the removal of the four tanks. Reflectors from the rebar dominated the data, making the detection of the pits impossible. No pits were detected.

North block:
Figure 3 shows the results of the magnetic survey for the north block. High-frequency magnetic high and low anomalies are seen across the east parking lot. Anomalies from possible USTs buried under the concrete will be undetectable. Five magnetic anomalies were investigated elsewhere in this block.

No 3D objects were detected at anomalies F and G.

Magnetic anomalies H and I are interpreted to be caused by the reinforced-concrete access ramps into the building. No 3D objects were detected with radar collected near the anomalies.

Anomaly J is caused by the reinforced concrete access ramp into the western parking lot.

Reportedly the catch basin in the west parking lot drains to a drywell. GPR was used to follow the outflow pipe from the catch basin in the western parking lot. Reflections from a possible drywell were detected 25 feet west of the catch basin.

Southeast block:
Half of the block was to be included in the survey but the north quarter was occupied by dumpsters and metallic boxes, and was an active loading and unloading zone; it was not included in this survey. All sidewalks around the property were surveyed.

Figure 4 shows the results of the magnetometer survey across this area. Two anomalies were investigated with hand-held instruments and GPR.

Magnetic anomalies K and L appeared to be caused by disturbed zones containing metallic debris.

No 3D object was detected using the hand-held metal detectors at the anomaly marked M.

Conclusion

Three blocks occupied by Custom Stamping were surveyed for USTs and a drywell. Four vents associated with removed USTs were seen at the parking lot of the southern block. GPR traverses were made across the lot but the reinforced concrete made it difficult to detect the excavations from which the tanks were removed. One UST was detected under the SE Main sidewalk of the same block. A possible UST excavation was detected near a vent under the SE 9th Avenue sidewalk. Other areas of reinforced concrete were detected at the sidewalks.

A drywell was detected west of the catch basin in the west parking lot of the north block.

Several anomalies were detected across the sidewalks and parking lots of the north and southeast blocks. The east parking lot of the north block was underlain by reinforced concrete. Several other areas of concrete were detected at the sidewalks. Two disturbed-soil zones with metallic debris were detected in the south half of the southeast block. No USTs were detected in the north and southeast survey areas.

Limitations

The conclusions presented in this report were based upon widely accepted geophysical principles, methods and equipment. This survey was conducted with limited knowledge of the site, the site history and the subsurface conditions.

The goal of near-surface geophysics is to provide a rapid means of characterizing the subsurface using non-intrusive methods. Conclusions based upon these methods are generally reliable; however, due to the inherent ambiguity of the methods, no single interpretation of the data can be made. As an example, rocks and roots produce radar reflections that may appear the same as pipes and tanks.

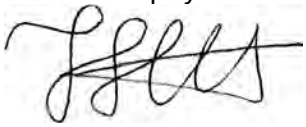
Under reasonable site conditions, geophysical surveys are good at detecting changes in the subsurface caused by manmade objects or changes in subsurface conditions, but they are poor at identifying those objects or subsurface conditions.

Objects of interest are not always detectable due to surface and subsurface conditions. The deeper an object is buried, the more difficult it is to detect, and the less accurately it can be located.

The only way to see an object is to physically expose it.

Jeff Mann — April 12, 2016
Pacific Geophysics

Nikos Tzetos — April 12, 2016
Pacific Geophysics

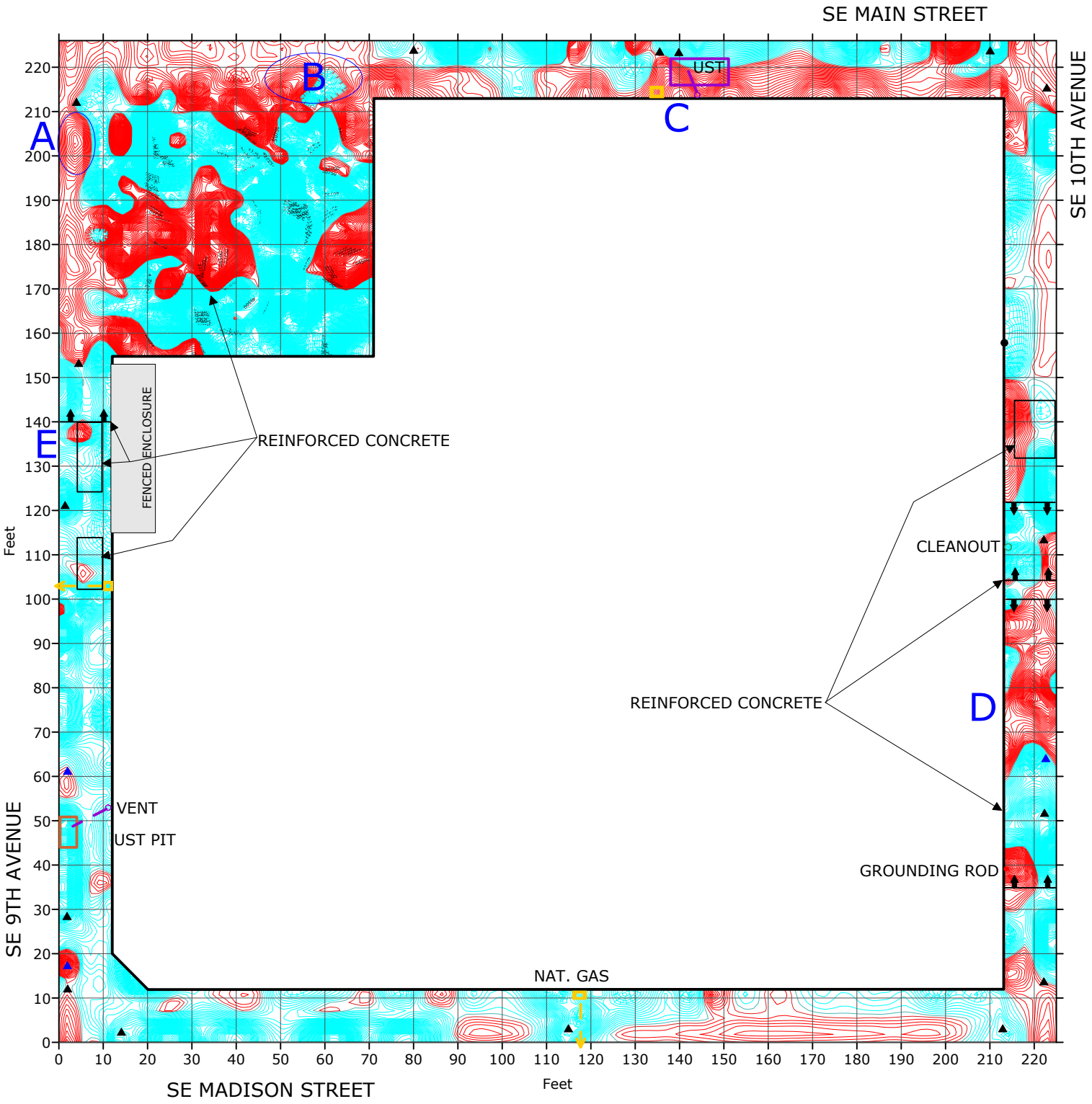


PACIFIC GEOPHYSICS
Applied Geophysics

FIGURE 1

Site-Index Photo

Project: 160321	Custom Stamping SE 10th Avenue and SE Main Street Portland, Oregon
Drawn by : NT	Prepared for: GeoDesign
	Base Photo from Google Earth

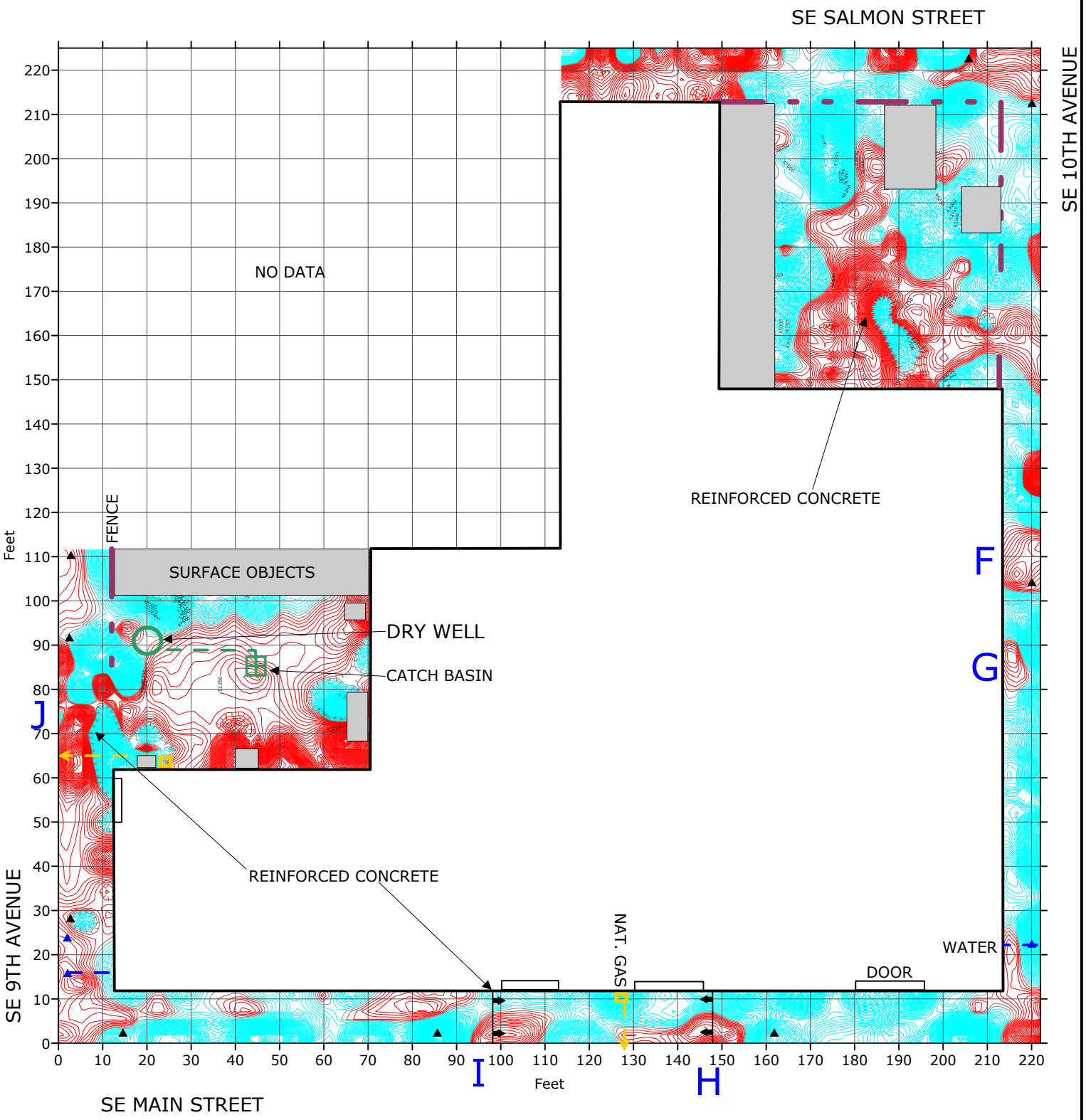


PACIFIC GEOPHYSICS
Applied Geophysics

FIGURE 2

Magnetic Contour Map-South Block

Project: 160321	Custom Stamping SE 10th Avenue and SE Main Street Portland, Oregon
Drawn by : NT	Prepared for: GeoDesign
	Survey Date: April 5-6, 2016

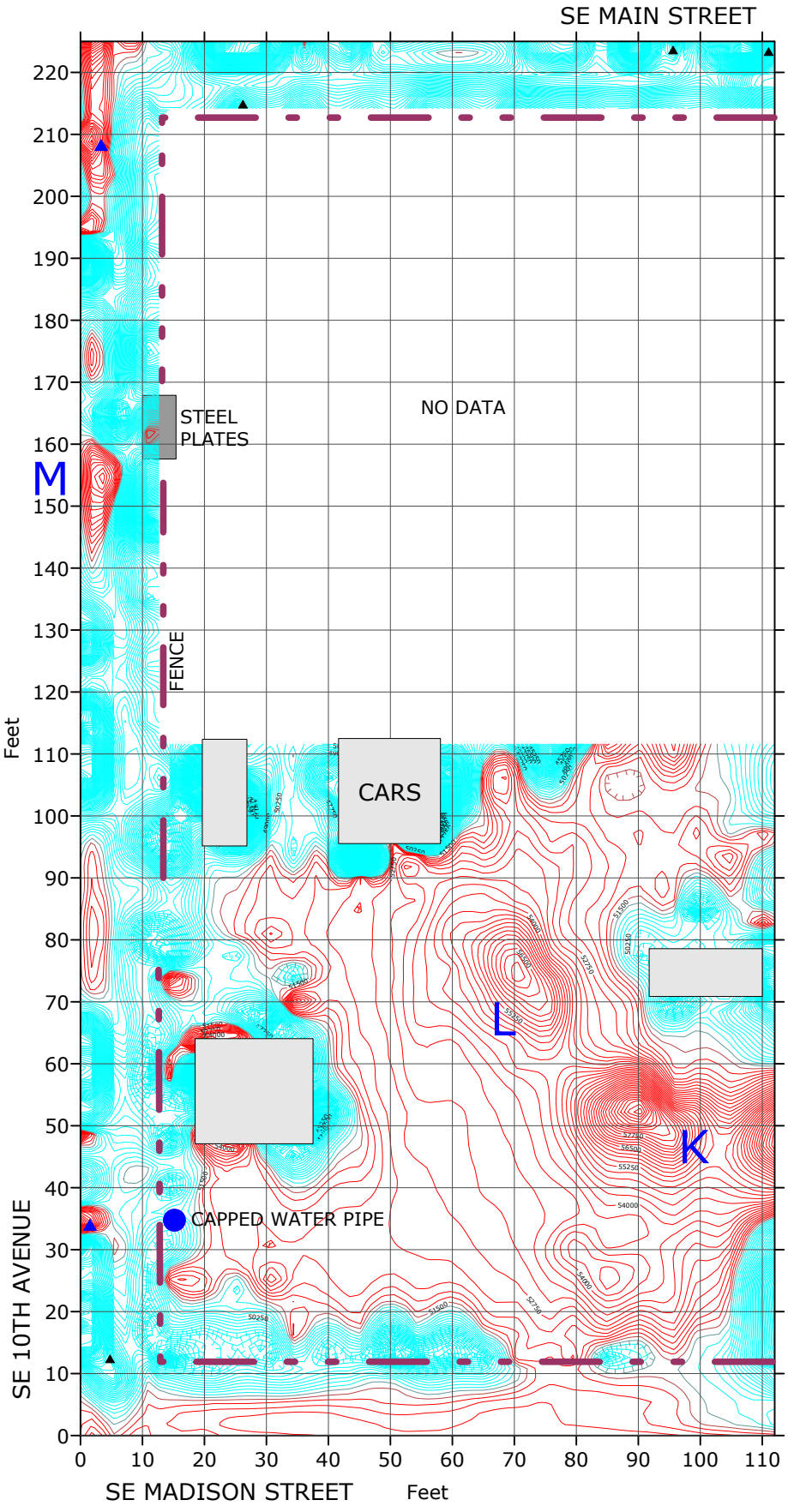


PACIFIC GEOPHYSICS
Applied Geophysics

FIGURE 3

Magnetic Contour Map-North Block

Project: 160321	Custom Stamping SE 10th Avenue and SE Main Street Portland, Oregon
Drawn by : NT	Prepared for: GeoDesign
	Survey Date: April 5-6, 2016



PACIFIC GEOPHYSICS
Applied Geophysics

N

FIGURE 4	Magnetic Contour Map-SE Block	
	Project: 160321	Custom Stamping SE 10th Avenue and SE Main Street Portland, Oregon
	Drawn by : NT	Prepared for: GeoDesign
		Survey Date: April 5-6, 2016

Appendix A. Geophysical Survey Methods

Magnetometer Surveys

Small disturbances in the Earth's local magnetic field are called "magnetic anomalies". These may be caused by naturally occurring features such as metallic mineral ore bodies, or from manmade features such as metal buildings, vehicles, fences, and underground storage tanks. The magnetometer only detects changes produced by ***ferrous*** objects. Aluminum and brass are non-ferrous metals and cannot be detected using a magnetometer.

A magnetometer is an electronic instrument designed to detect small changes in the Earth's local magnetic field. Over the years different technologies have been used in magnetometers. The Geometrics G-858 Portable Cesium Magnetometer used to collect magnetic data for Pacific Geophysics uses one of the most recent methods to detect magnetic anomalies. A detailed discussion describing the method this unit uses is available at Geometrics.com.

This magnetometer enables the operator to collect data rapidly and continuously rather than the older instruments that collected data at discreet points only. The G-858 is carried by hand across the site. The sensor is carried at waist level. Typically individual data points collected at normal walking speed are about 6" apart along survey lines usually 5 feet apart, depending on the dimensions of the target objects.

It is critical to know the exact location of each data point so that if an anomaly is detected it can be accurately plotted on a magnetic contour map. At most small sites, data are collected along straight, parallel survey lines set up on the site before the data collection stage begins. For very large, complex sites, the G-858 can be connected to a Global Positioning System (GPS) antenna which allows the operator to collect accurately-located data without establishing a survey grid. With GPS, data are collected and positioned wherever the operator walks. A limitation using GPS is that the GPS antenna must have line of sight with the GPS satellites. Data can be inaccurately located if the GPS antenna is under trees or near tall buildings.

Data are stored in the unit's memory for later downloading and processing. A magnetic contour map of the data is plotted in the field. Geographical features are plotted on the map. Magnetic anomalies appearing to be caused by objects of interest are then investigated on the site using several small hand-held metal detectors. If an object appears to be a possible object of interest, it may be investigated with GPR.

Magnetic contour maps may be printed in color in order to highlight anomalies caused by ferrous objects located under the magnetic sensor. Usually, ferrous objects situated below the sensor produce magnetic "highs" and anomalies located above the sensor produce magnetic "lows". Magnetic highs are of interest to the operator since most objects of interest are located underground.

Depending on the orientation, shape and mass of a metallic object, a high/low pair of magnetic anomalies may be present. In the northern hemisphere the magnetic low is located north of the object and the magnetic high toward the south. The object producing the anomaly is located part way between the high and the low anomalies.

Magnetometer surveys have limitations. Magnetometers only detect objects made of ferrous (iron-containing) metal. Large ferrous objects (buildings, cars, fences, etc.) within several feet of the magnetometer create interference that may hide the anomaly produced by a nearby object of interest.

Ground Penetrating Radar

A Geophysical Survey Systems, Inc. (GSSI) SIR-2000 GPR system coupled to a 270-MHz GSSI antenna is used to obtain the radar data for our surveys.

The 270-MHz radar antenna used for the surveys is designed to transmit and receive electromagnetic energy. EM energy is transmitted into the material the antenna passes over. A portion of that energy is reflected back to the antenna and amplified. Reflections are displayed in real-time in a continuous cross section. Reflections are produced where there is a sufficient electrical contrast between two materials. Changes in the electrical properties (namely the dielectric constant) that produce radar reflections include the moisture content, porosity, mineralogy, and texture of the material. Metallic objects of interest exhibit a strong electrical contrast with the surrounding material and thus produce relatively strong reflections. Non-metallic objects of interest (septic tanks, cesspools, drywells, PVC and clay tile pipes) are not always good reflectors.

Radar data are ambiguous. It can be difficult to distinguish the reflection produced by an object of interest from the reflection caused by some natural feature. Rocks or tree roots have reflections that appear similar to reflections from pipes. In concrete investigations reflections produced by metal rebar look exactly like those from electrical conduit or post-tension cables. Objects with too small an electrical contrast may produce no reflections at all and may be missed.

In addition to interpreting ambiguous data, radar has several limitations that cannot be controlled by the operator. The radar signal is severely attenuated by electrically conductive material, including wet, clay-rich soil and reinforced concrete. The quality of the data is affected by the surface conditions over which the antenna is pulled. Ideally the antenna should rest firmly on a smooth surface. Rough terrain and tall grass reduce the quality of radar data.

It is the job of an experienced interpreter to examine the GPR profiles and deduce if reflections are from objects of interest. A GPR interpreter cannot see underground, but can only interpret reflections based on experience.

The only way to truly identify an object is to excavate.

Handheld Metal detectors

Two small, non-recording metal detectors are used to locate suspect magnetic anomalies detected using the G-858 Magnetometer in order to determine the likely cause of the anomaly. First, the magnetic contour map and a Schonstedt Magnetic Gradiometer are used to locate the center of the magnetic anomalies.

Once the anomaly is located an Aqua-Tronics Tracer is used to determine if the object producing the anomaly is a possible object of interest. Most anomalies are at least in part produced by features observed on the ground surface.

Schonstedt Magnetic Gradiometer: This magnetometer has two magnetic sensors separated vertically by 10". The magnetic field surrounding a ferrous object is strongest near the object and decreases rapidly as the distance increases. If the magnitude measured by the sensor located in the tip of the Schonstedt is very high, and the magnetic field measured by the sensor located farther up the shaft of the Schonstedt is low, there is a large vertical magnetic gradient and the instrument responds with a loud whistle indicating the object is near the surface. If there is a small difference in the magnitudes measured by the two sensors, the object is deeper. The instrument responds with a softer tone. A discussion of this instrument is available at Schonstedt.com.

Aqua-Tronics A-6 Tracer: The Aqua-Tronics A-6 Tracer uses a different method of detecting metallic objects. This instrument measures the electrical conductivity of a metal object. It is capable of detecting any electrically conductive metal, including non-ferrous aluminum and brass. The Tracer is capable of detecting three-dimensional objects as well as pipes.

The Tracer consists of a transmitter coil and a receiver coil. In the absence of any electrically conductive material in the vicinity of the Tracer, the electromagnetic field around each coil is balanced.

Basically the electromagnetic field produced by the transmitter induces an electric current into the area surrounding the instrument. Nearby conductive objects distort the EM field. The balance between the two coils is disturbed and the instrument produces an audible tone and meter indication.

Radio Detection RD8000 PDL: This instrument may be used to detect buried, conductive pipes and utilities. It consists of a transmitter and a receiver and can be used in two configurations.

The transmitter may be used to directly apply a small electrical current to exposed, electrically conductive pipes and utilities. The RD receiver is then able to "trace" the underground portion of the pipe or utility, under some conditions for several hundred feet. The transmitter can also induce an electrical current into buried pipes and utilities where direct contact is not available.

The receiver can also be used alone. It has the capability to locate pipes and utilities by detecting the very small electrical currents induced into the features by nearby AM/FM radio stations.

The receiver also has an AC power function that may be used to detect underground power lines.

APPENDIX F

APPENDIX F

SUBSURFACE EXPLORATIONS

GENERAL

Subsurface exploration activities were completed between April 5 and May 31, 2016. The exploration activities included the collection of selected soil samples from 35 direct-push explorations (DP-1 through DP-35) and collection of groundwater samples from 9 of the 35 direct-push explorations. In addition, the exploration activities included the collection of 13 sub-slab vapor samples (SV-1 through SV-13). The direct-push explorations were advanced to depths ranging between 8.0 and 25.0 feet BGS using direct-push drilling equipment owned and operated by Pacific Soil & Water of Tigard, Oregon. A GeoDesign field representative observed the explorations and collected soil samples from the explorations. The soil encountered in the explorations was visually classified in general accordance with guidance provided in ASTM D 2488.

The sub-slab vapor samples were sampled using equipment owned and operated by GeoDesign.

The approximate exploration and sample locations are presented on Figures 12 and 13.

SOIL SAMPLING

Continuous soil samples were collected from the explorations at 0.5- to 5.0-foot-depth intervals using samplers equipped with acrylic sleeves. Soil sampling equipment was cleaned with a Liquinox wash, tap water rinse, and a distilled water rinse between each sampling attempt. Select discrete soil samples were placed in laboratory-prepared sample jars with Teflon-lined lids and immediately placed in an ice chest and kept cool until delivery to the laboratory. The jars were packed full to minimize headspace in the containers. Standard chain-of-custody procedures were observed during transport of the samples to the laboratory.

SOIL SAMPLE FIELD SCREENING METHODS

A GeoDesign representative performed field screening tests on select soil samples collected from the explorations. Field screening results aided in the selection of soil samples for chemical analysis. Screening methods included visual examination, water sheen screening, and headspace vapor screening using a MiniRAE PID.

Visual screening consisted of inspecting the soil for discoloration indicative of the presence of petroleum material in the sample. Water sheen screening involved placing soil in water and observing the water surface for signs of sheen. Sheen classifications are as follows:

No Sheen	No visible sheen on the water surface.
Slight Sheen	Light, colorless, dull sheen; spread is irregular, not rapid; sheen dissipates rapidly. Natural organic matter in the soil may produce a slight sheen.

Moderate Sheen	Light to heavy sheen; may have some color/iridescence; spread is irregular to flowing, may be rapid; few remaining areas of no sheen on water surface.
Heavy Sheen	Heavy sheen with color/iridescence; spread is rapid; entire water surface may be covered with sheen.

Headspace vapor screening is performed by placing a soil sample in a plastic bag. Air is captured in the bag, and the bag is shaken to expose the soil to the air trapped in the bag. The probe of a MiniRAE PID is inserted into the bag, and the MiniRAE PID measures VOC vapor concentrations in units of ppm. The MiniRAE PID is calibrated to isobutylene. The MiniRAE PID is designed to quantify VOC vapor concentrations in the range between 1 and 2,000 ppm with an accuracy of 10 percent of the reading and between 2,000 and 10,000 ppm with an accuracy of 20 percent of the reading.

Field screening results are site and exploration specific. The results may vary with temperature, soil moisture content, soil type, and type of contaminant.

GROUNDWATER SAMPLING

Groundwater samples were collected from select explorations using new disposable well screens, new polyethylene and silicone tubing, and a peristaltic pump. The temporary groundwater screens were advanced to the desired depth for sample collection. Groundwater present in each exploration was pumped into the tubing using a peristaltic pump. Prior to sample collection, a minimum of 1 liter of groundwater was slowly purged from the exploration to reduce turbidity normally associated with temporary explorations. The groundwater samples were transferred in the field to laboratory-prepared sample containers, immediately placed in an ice chest, and kept cool until delivery to the laboratory. The sample containers were filled completely to eliminate headspace in the container. Chain-of-custody procedures were observed during transport of the groundwater samples to the testing laboratory.

SUB-SLAB VAPOR SAMPLING ACTIVITIES

GeoDesign collected 13 sub-slab vapor samples at the project site. Each vapor sample was collected as follows:

- Drilled a ¼-inch-diameter hole in the concrete slab and inserted a stainless steel sampling probe.
- Sealed the annular space between the vapor point and the boring sidewall with neat cement and bentonite to minimize ambient air migration into the sampling zone.
- Installed a leak-check system at the vapor sample location consisting of placing rags soaked with 2-propanol and the ground surface seal and on the sampling train. Each sample was analyzed for 2-propanol.
- Collected the samples using laboratory-provided sample containers fitted with flow regulators to maintain sampling flow rates less than 200 mL per minute.

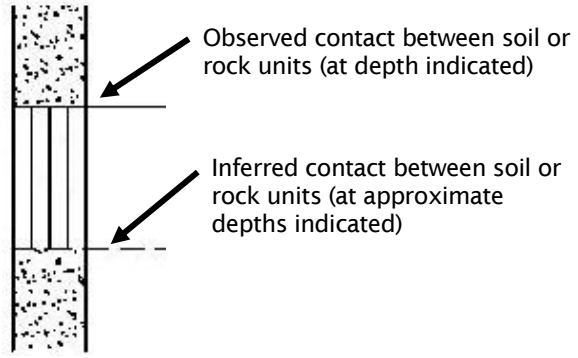
DECONTAMINATION

All sampling equipment used in the collection of samples was decontaminated prior to use. Decontamination was performed on all sample re-usable processing equipment that came into contact with sampling media, including tools, stainless steel implements, trowels, etc. Decontamination was performed prior to sampling each location using the following procedures:

1. Rinsed with tap water and scrubbed with a scrub brush until free of large particles (e.g., sediment or soil)
2. Washed with phosphate-free (Alconox™) detergent solution
3. Rinsed with tap water
4. Rinsed with distilled water

SYMBOL	SAMPLING DESCRIPTION
	Location of sample obtained in general accordance with ASTM D 1586 Standard Penetration Test with recovery
	Location of sample obtained using thin-wall Shelby tube or Geoprobe® sampler in general accordance with ASTM D 1587 with recovery
	Location of sample obtained using Dames & Moore sampler and 300-pound hammer or pushed with recovery
	Location of sample obtained using Dames & Moore and 140-pound hammer or pushed with recovery
	Location of sample obtained using 3-inch-O.D. California split-spoon sampler and 140-pound hammer
	Location of grab sample
	Rock coring interval
	Water level during drilling
	Water level taken on date shown

Graphic Log of Soil and Rock Types



GEOTECHNICAL TESTING EXPLANATIONS

ATT	Atterberg Limits	PP	Pocket Penetrometer
CBR	California Bearing Ratio	P200	Percent Passing U.S. Standard No. 200 Sieve
CON	Consolidation		
DD	Dry Density	RES	Resilient Modulus
DS	Direct Shear	SIEV	Sieve Gradation
HYD	Hydrometer Gradation	TOR	Torvane
MC	Moisture Content	UC	Unconfined Compressive Strength
MD	Moisture-Density Relationship	VS	Vane Shear
OC	Organic Content	kPa	Kilopascal
P	Pushed Sample		

ENVIRONMENTAL TESTING EXPLANATIONS

CA	Sample Submitted for Chemical Analysis	ND	Not Detected
P	Pushed Sample	NS	No Visible Sheen
PID	Photoionization Detector Headspace Analysis	SS	Slight Sheen
		MS	Moderate Sheen
ppm	Parts per Million	HS	Heavy Sheen

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

EXPLORATION KEY

TABLE F-1

RELATIVE DENSITY - COARSE-GRAINED SOILS

Relative Density	Standard Penetration Resistance	Dames & Moore Sampler (140-pound hammer)	Dames & Moore Sampler (300-pound hammer)
Very Loose	0 – 4	0 - 11	0 - 4
Loose	4 – 10	11 - 26	4 - 10
Medium Dense	10 – 30	26 - 74	10 - 30
Dense	30 – 50	74 - 120	30 - 47
Very Dense	More than 50	More than 120	More than 47

CONSISTENCY - FINE-GRAINED SOILS

Consistency	Standard Penetration Resistance	Dames & Moore Sampler (140-pound hammer)	Dames & Moore Sampler (300-pound hammer)	Unconfined Compressive Strength (tsf)
Very Soft	Less than 2	Less than 3	Less than 2	Less than 0.25
Soft	2 - 4	3 – 6	2 - 5	0.25 - 0.50
Medium Stiff	4 - 8	6 – 12	5 - 9	0.50 - 1.0
Stiff	8 - 15	12 – 25	9 - 19	1.0 - 2.0
Very Stiff	15 - 30	25 – 65	19 – 31	2.0 - 4.0
Hard	More than 30	More than 65	More than 31	More than 4.0

PRIMARY SOIL DIVISIONS			GROUP SYMBOL	GROUP NAME
COARSE-GRAINED SOILS (more than 50% retained on No. 200 sieve)	GRAVEL (more than 50% of coarse fraction retained on No. 4 sieve)	CLEAN GRAVELS (< 5% fines)	GW or GP	GRAVEL
		GRAVEL WITH FINES (≥ 5% and ≤ 12% fines)	GW-GM or GP-GM	GRAVEL with silt
			GW-GC or GP-GC	GRAVEL with clay
		GRAVELS WITH FINES (> 12% fines)	GM	silty GRAVEL
			GC	clayey GRAVEL
			GC-GM	silty, clayey GRAVEL
	SAND (50% or more of coarse fraction passing No. 4 sieve)	CLEAN SANDS (<5% fines)	SW or SP	SAND
		SANDS WITH FINES (≥ 5% and ≤ 12% fines)	SW-SM or SP-SM	SAND with silt
			SW-SC or SP-SC	SAND with clay
		SANDS WITH FINES (> 12% fines)	SM	silty SAND
			SC	clayey SAND
			SC-SM	silty, clayey SAND
FINE-GRAINED SOILS (50% or more passing No. 200 sieve)	SILT AND CLAY	Liquid limit less than 50	ML	SILT
			CL	CLAY
			CL-ML	silty CLAY
			OL	ORGANIC SILT or ORGANIC CLAY
		Liquid limit 50 or greater	MH	SILT
			CH	CLAY
			OH	ORGANIC SILT or ORGANIC CLAY
HIGHLY ORGANIC SOILS			PT	PEAT

MOISTURE CLASSIFICATION

Term	Field Test
dry	very low moisture, dry to touch
moist	damp, without visible moisture
wet	visible free water, usually saturated

ADDITIONAL CONSTITUENTS

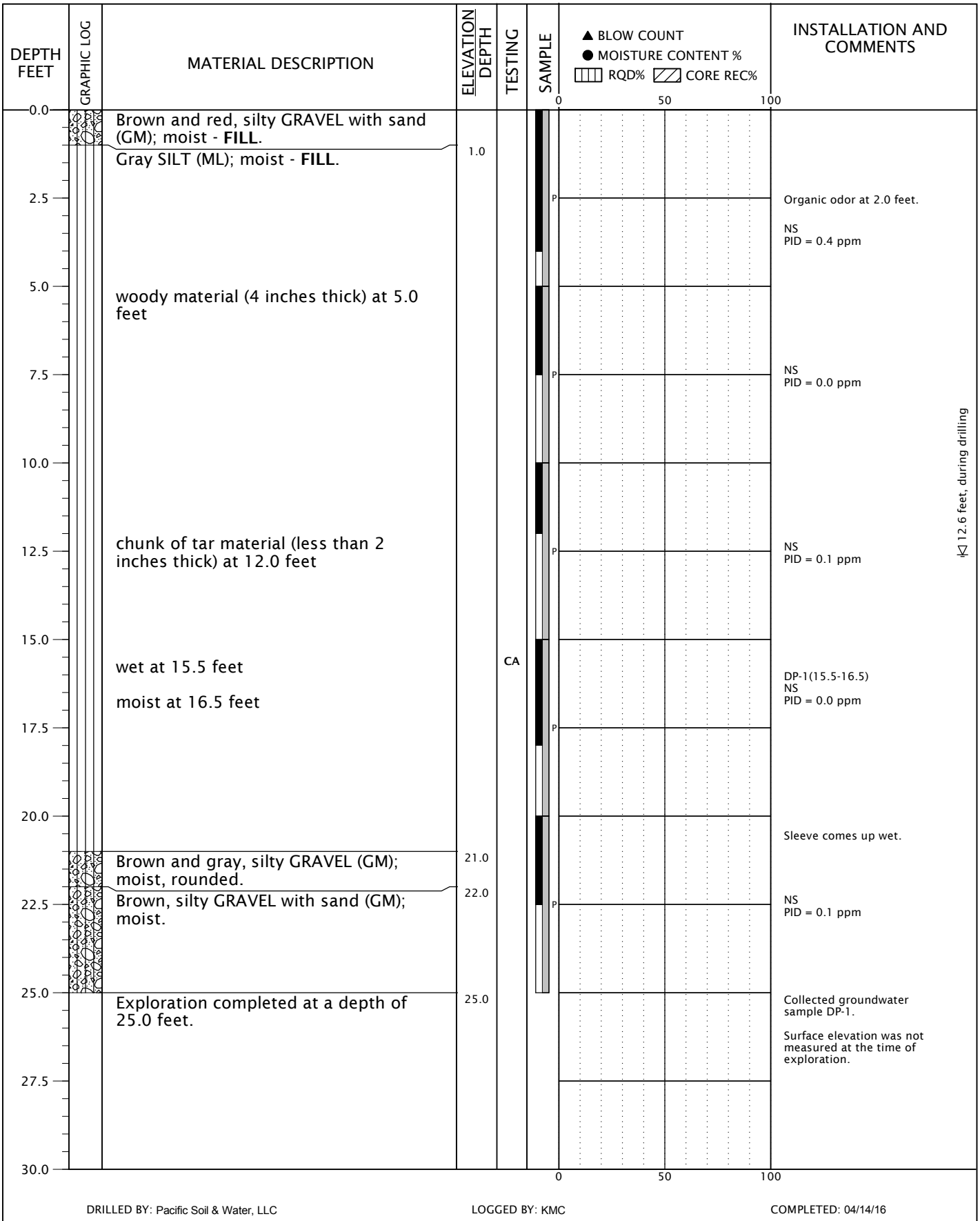
Secondary granular components or other materials such as organics, man-made debris, etc.

Percent	Silt and Clay In: Fine-Grained Soils	Silt and Clay In: Coarse-Grained Soils	Percent	Sand and Gravel In: Fine-Grained Soils	Sand and Gravel In: Coarse-Grained Soils
< 5	trace	trace	< 5	trace	trace
5 – 12	minor	with	5 – 15	minor	minor
> 12	some	silty/clayey	15 – 30	with	with
			> 30	sandy/gravelly	Indicate %

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

SOIL CLASSIFICATION SYSTEM

TABLE F-2



DRILLED BY: Pacific Soil & Water, LLC | LOGGED BY: KMC | COMPLETED: 04/14/16

BORING METHOD: direct push (see document text) | BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

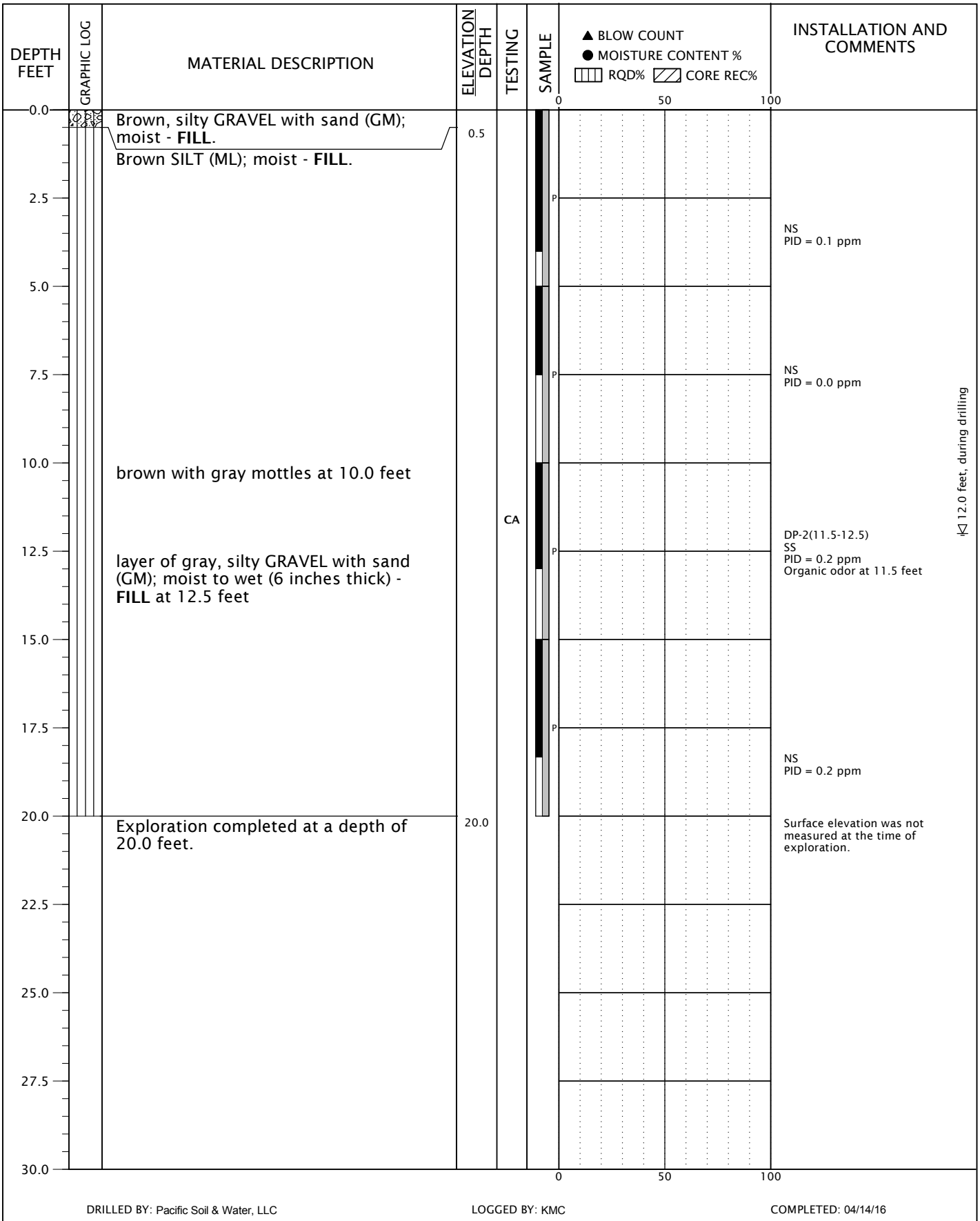
AUGUST 2016

BORING DP-1

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-1

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/14/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

AUGUST 2016

BORING DP-2

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-2

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT

DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	ELEVATION DEPTH	TESTING	SAMPLE	▲ BLOW COUNT ● MOISTURE CONTENT % RQD% CORE REC% (0 / 50 / 100)	INSTALLATION AND COMMENTS
0.0		CONCRETE (9.0 inches).					
		Brown SILT (ML); moist - **FILL**.	0.8				
2.5					P		NS PID = 0.4 ppm
5.0							
7.5					P		NS PID = 0.2 ppm
10.0		moist to wet at 10.8 feet		CA			
12.5					P		DP-3(11.5-12.5) NS PID = 0.1 ppm
		Brown, silty GRAVEL with sand (GM); wet.	14.0				
15.0		Exploration completed at a depth of 15.0 feet.	15.0				Surface elevation was not measured at the time of exploration.
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							

▽ 13.4 feet, during drilling

DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/14/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

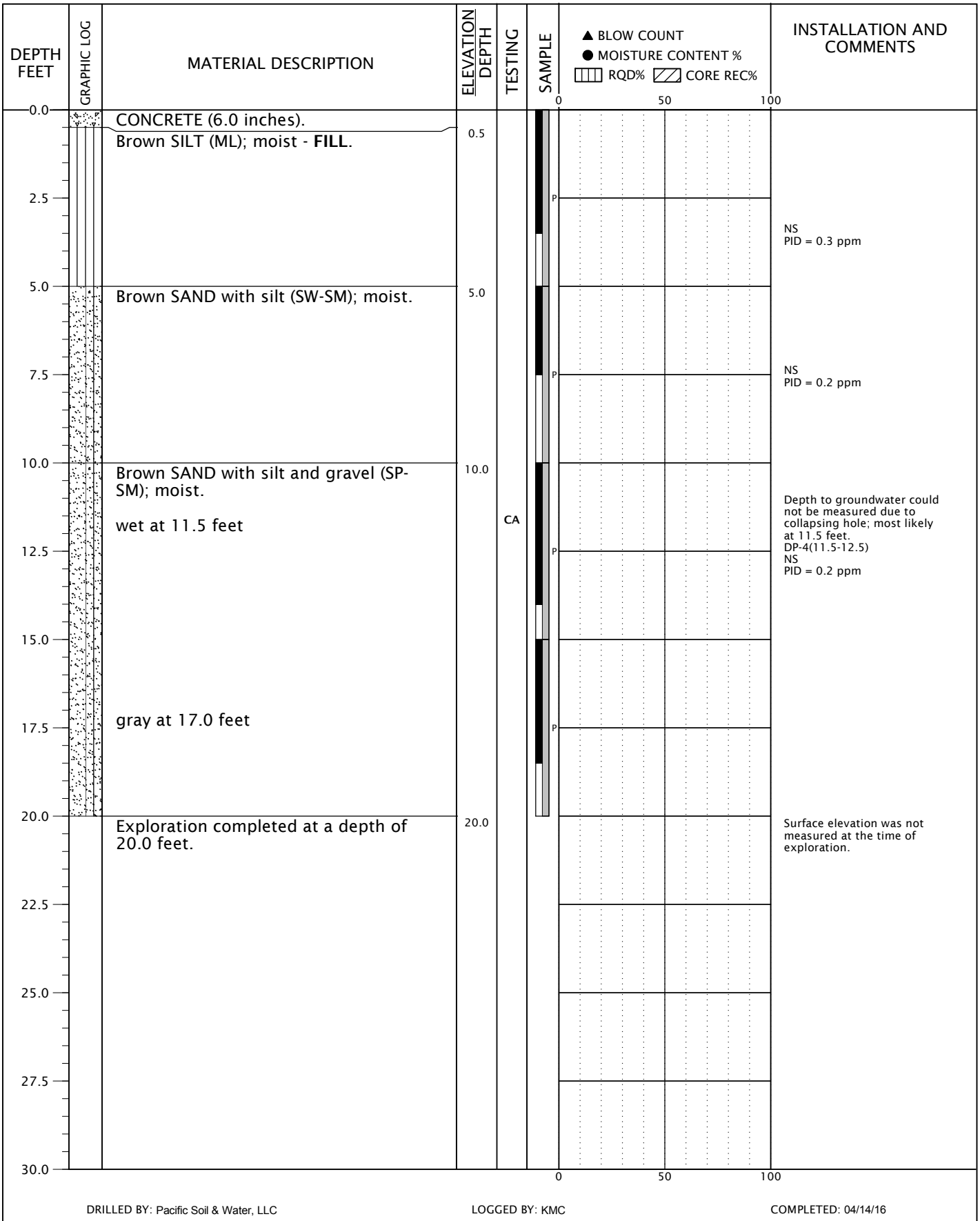
AUGUST 2016

BORING DP-3

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-3

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/14/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

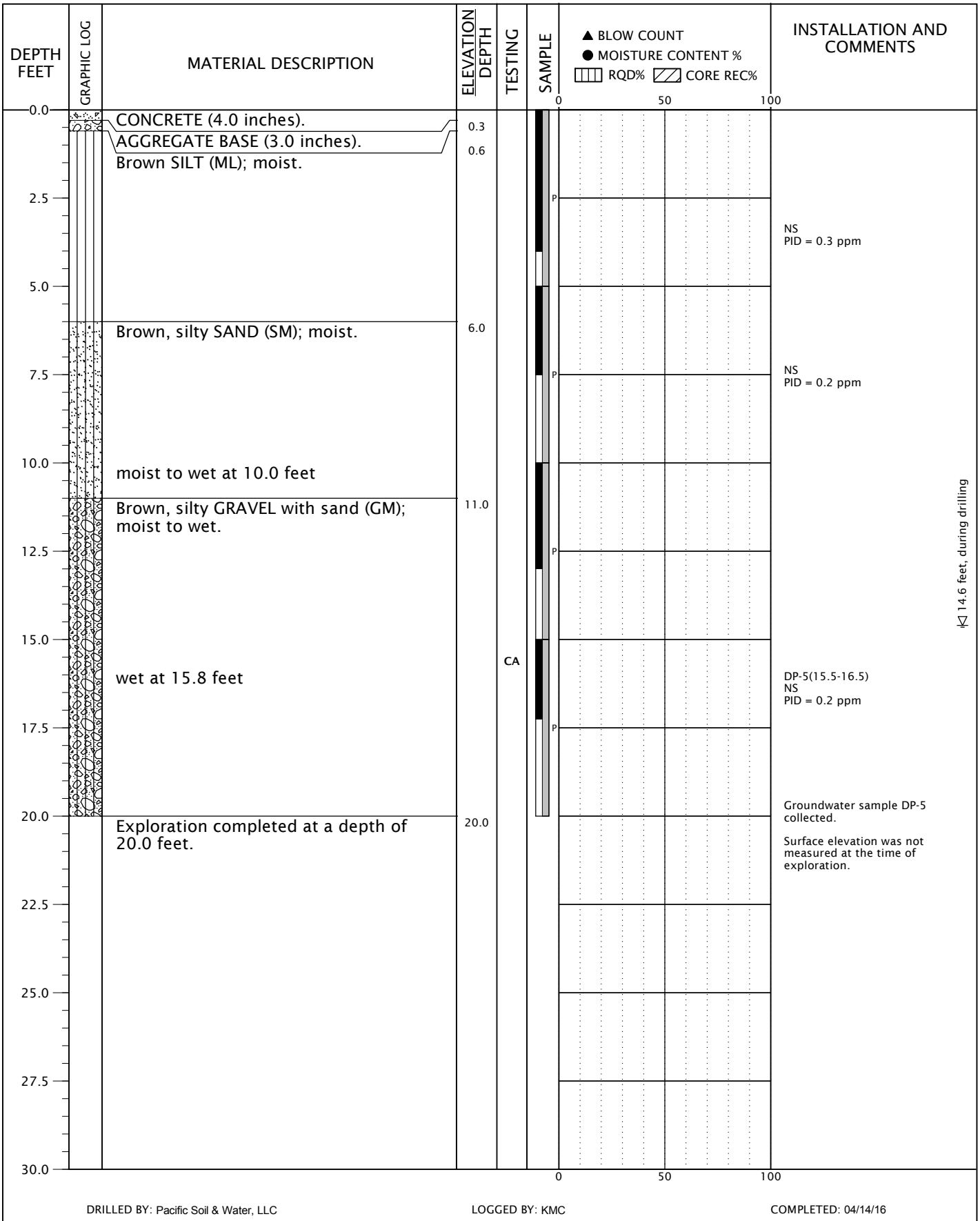
BORING DP-4

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-4

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/14/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

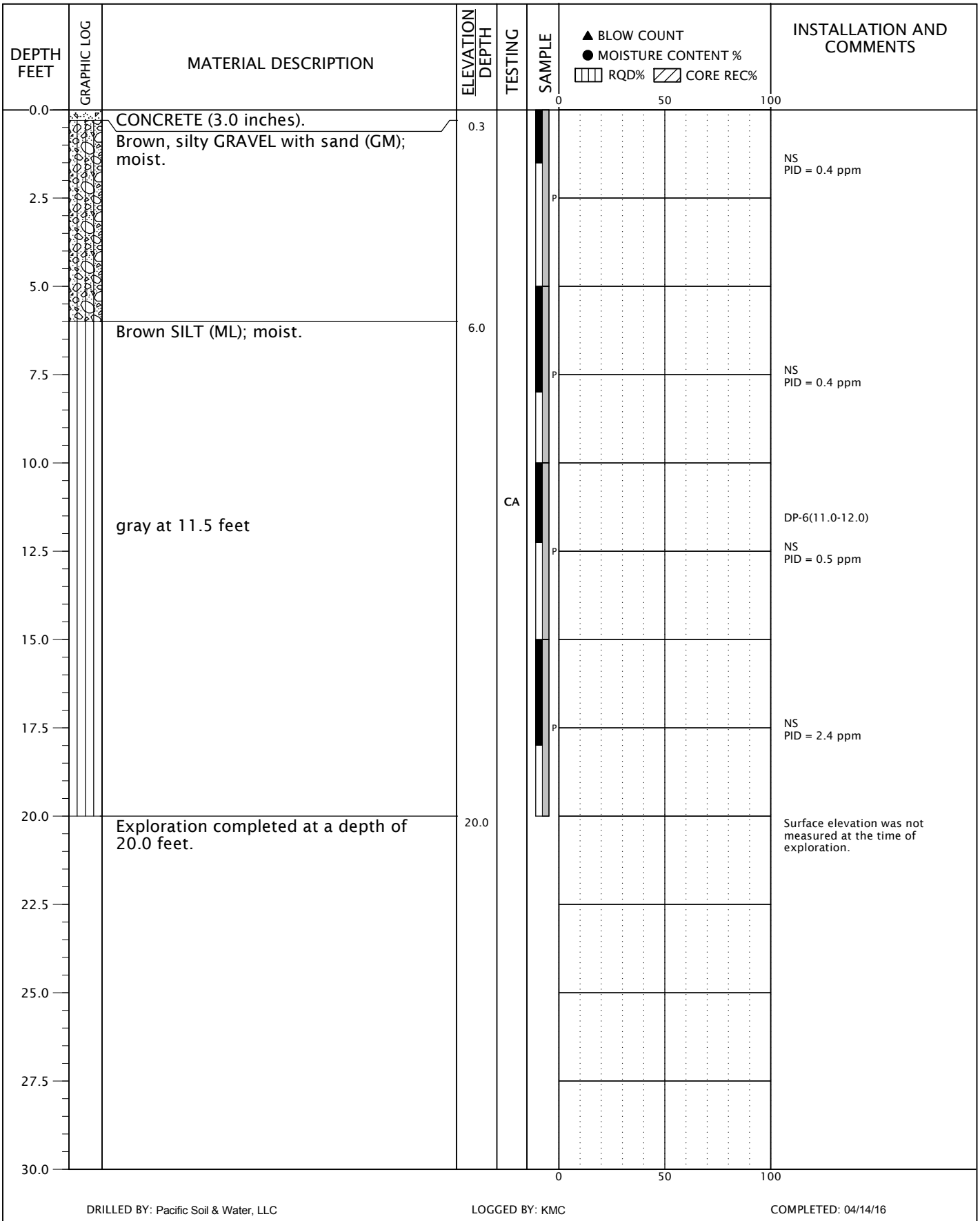
AUGUST 2016

BORING DP-5

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-5

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/14/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

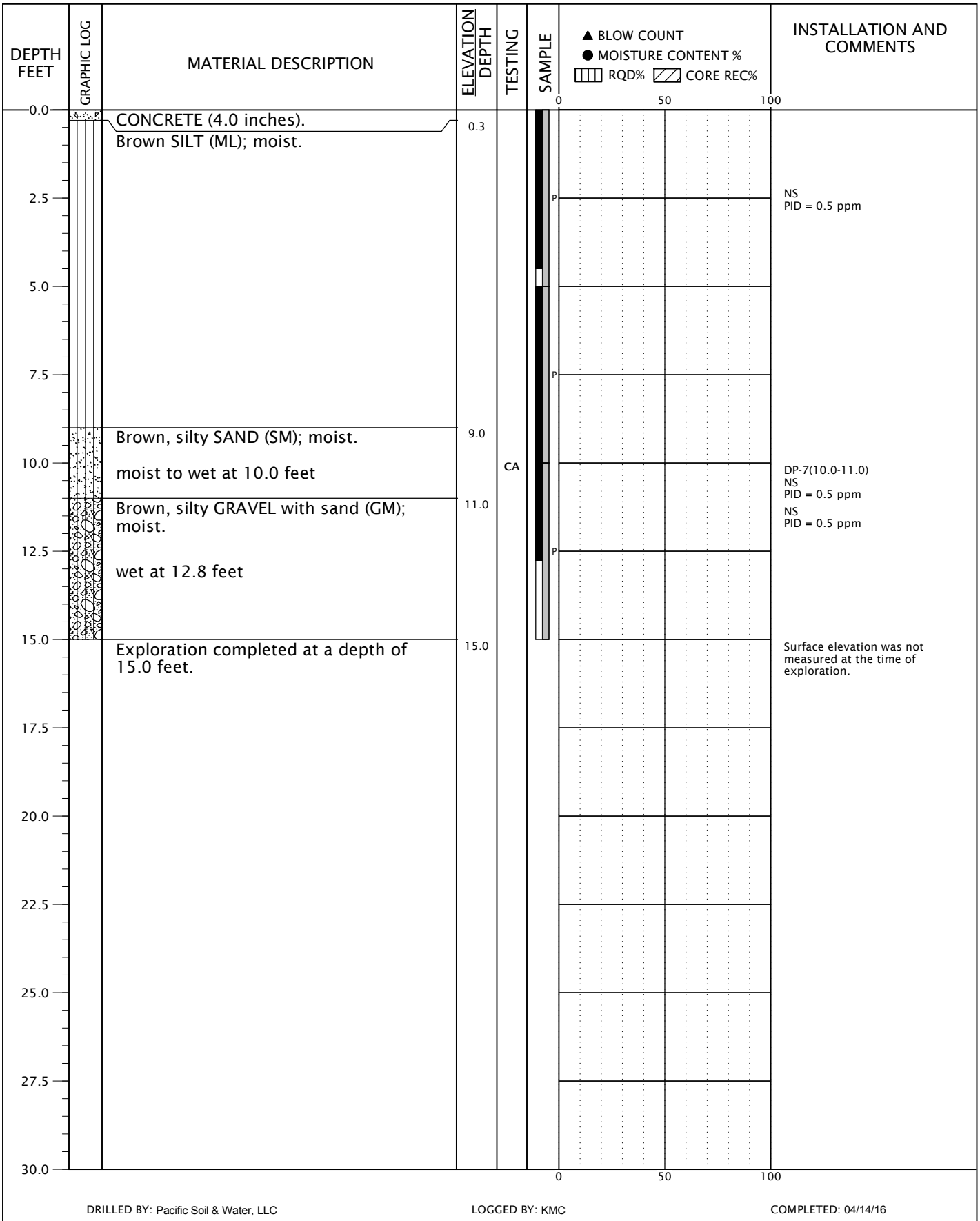
AUGUST 2016

BORING DP-6

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-6

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/14/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

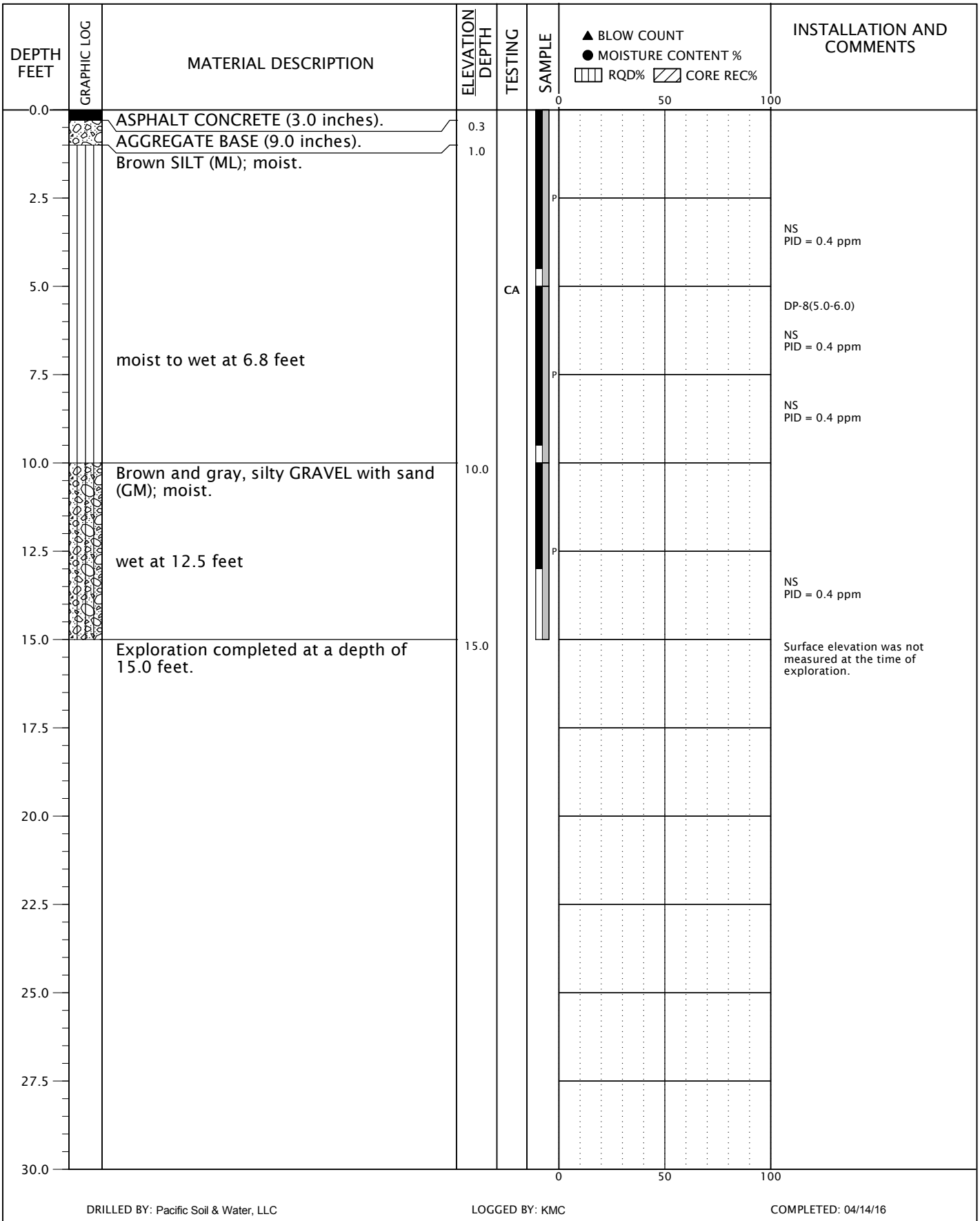
BORING DP-7

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-7

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/14/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

AUGUST 2016

BORING DP-8

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-8

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT

DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	ELEVATION DEPTH	TESTING	SAMPLE	▲ BLOW COUNT ● MOISTURE CONTENT % RQD% CORE REC% (0 / 50 / 100)	INSTALLATION AND COMMENTS
0.0		ASPHALT CONCRETE (3.0 inches).	0.3				
		AGGREGATE BASE (7.0 inches).	0.8				
		Brown SILT (ML); moist.					First two attempts hit backfill for dry well. Moved hole 2 feet south.
2.5					P		NS PID = 0.5 ppm
5.0							
7.5					P		NS PID = 0.4 ppm
10.0		Brown, silty GRAVEL with sand (GM); moist.	10.0	CA			DP-9(11.0-12.0)
12.5		wet at 12.3 feet			P		NS PID = 0.5 ppm
15.0		Exploration completed at a depth of 15.0 feet.	15.0				Groundwater sample DP-9 collected. Surface elevation was not measured at the time of exploration.
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							

▽ 13.1 feet, during drilling

DRILLED BY: Pacific Soil & Water, LLC | LOGGED BY: KMC | COMPLETED: 04/14/16

BORING METHOD: direct push (see document text) | BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

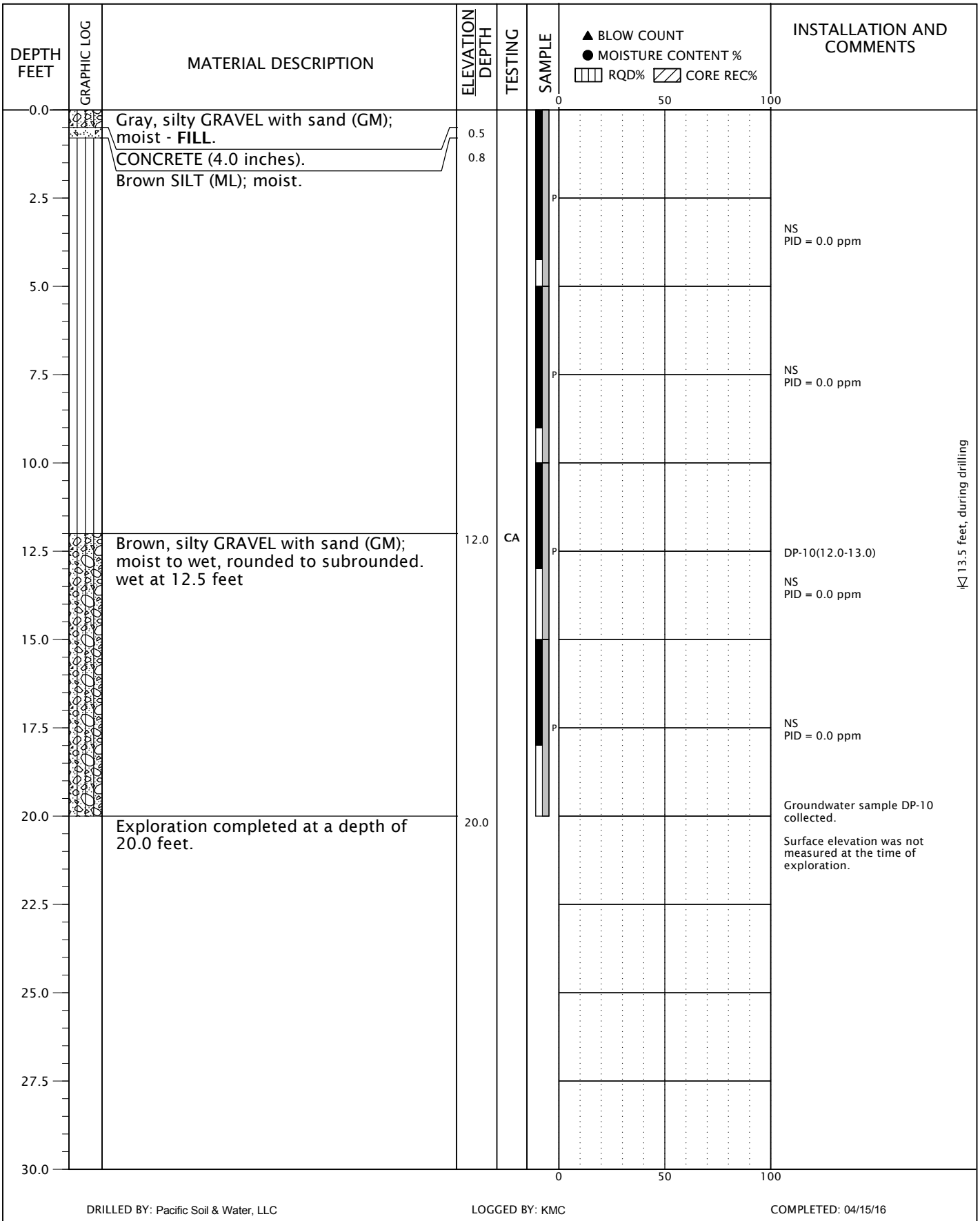
BORING DP-9

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-9

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/15/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

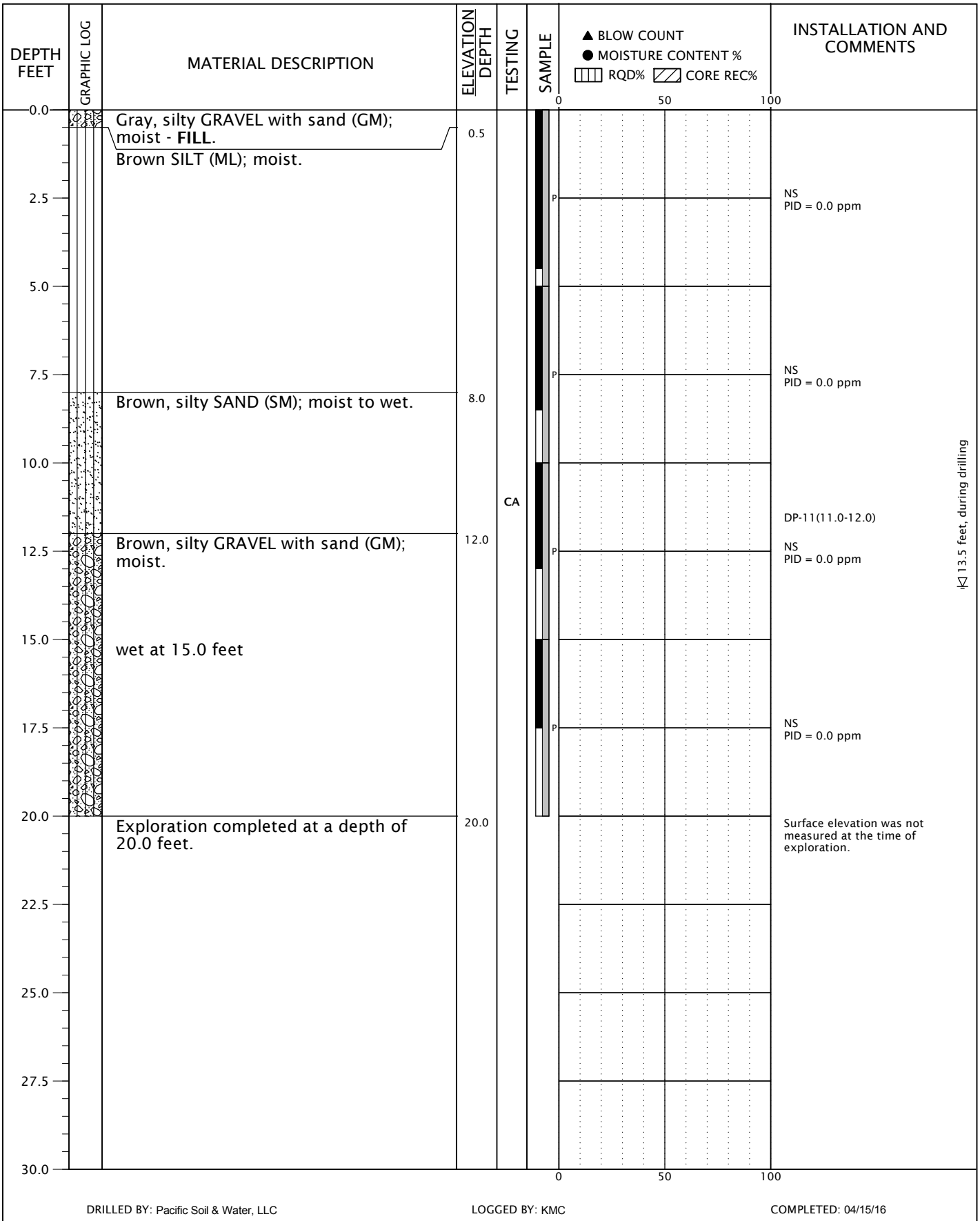
BORING DP-10

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-10

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/15/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

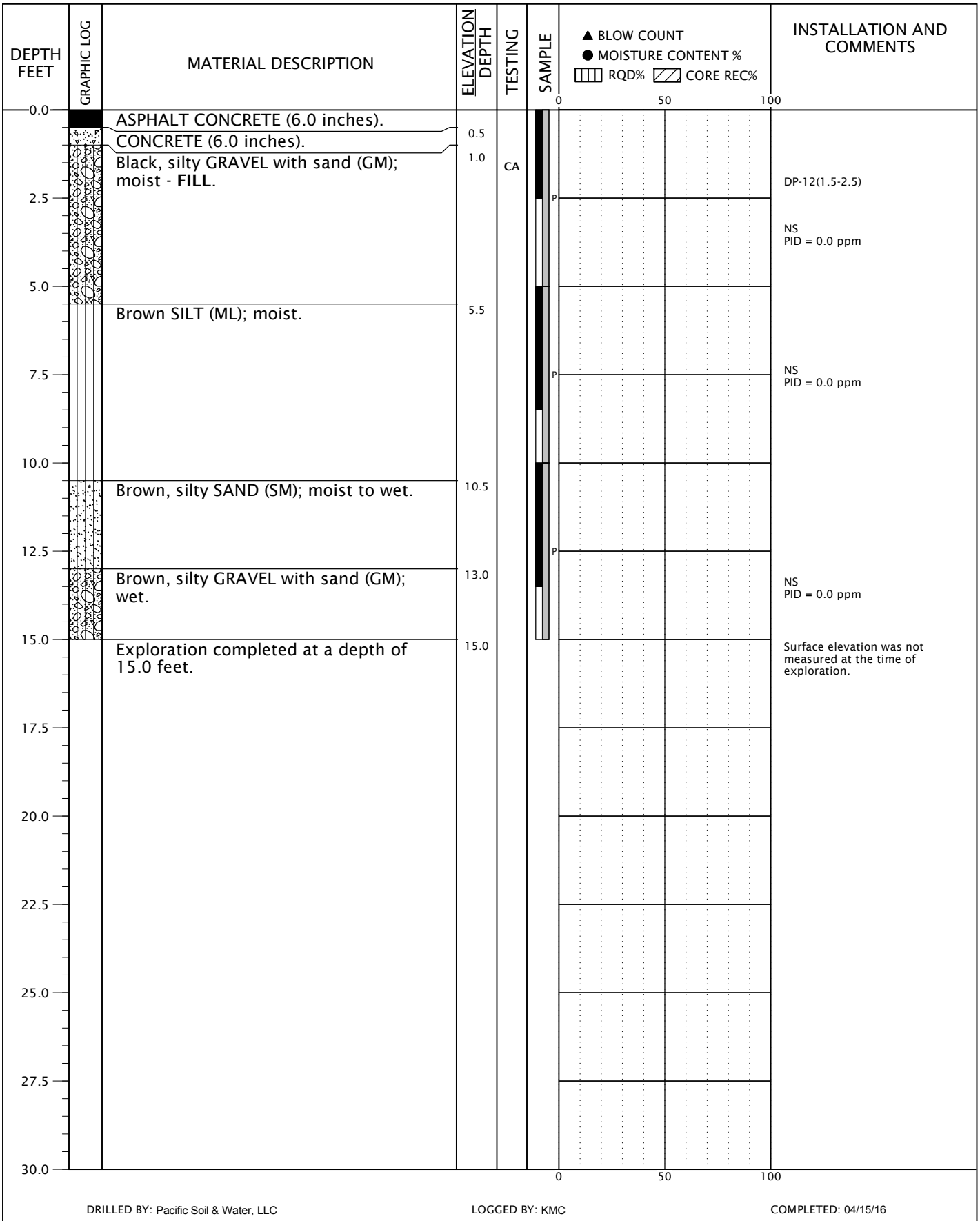
AUGUST 2016

BORING DP-11

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-11

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/15/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

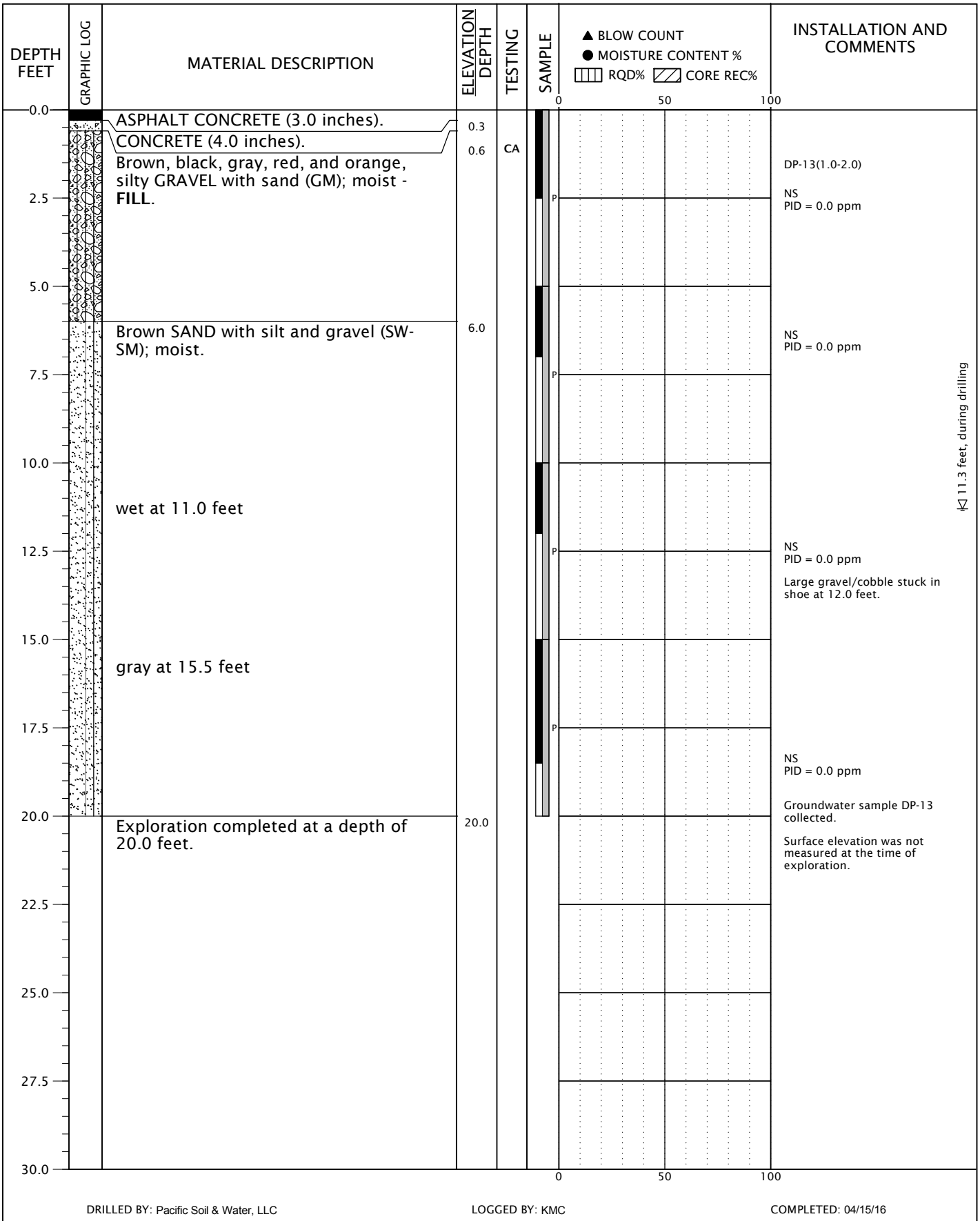
BORING DP-12

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-12

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/15/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

AUGUST 2016

BORING DP-13

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-13

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT

DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	ELEVATION DEPTH	TESTING	SAMPLE	▲ BLOW COUNT ● MOISTURE CONTENT % RQD% CORE REC% (0 / 50 / 100)	INSTALLATION AND COMMENTS
0.0		ASPHALT CONCRETE (3.0 inches).	0.3				
		CONCRETE (3.0 inches).	0.5				
		Brown SILT (ML); moist.					
		gray at 1.8 feet					
2.5					P		
5.0							
7.5					P		
10.0				CA			DP-14(10.0-11.0) HS PID = 106 ppm Petroleum-like odor.
12.5					P		NS PID = 3.4 ppm ▽ 12.5 feet, during drilling
15.0							No recovery; water in with sheen.
17.5					P		
20.0		Exploration completed at a depth of 20.0 feet.	20.0				Groundwater sample DP-14 collected. Surface elevation was not measured at the time of exploration.
22.5							
25.0							
27.5							
30.0							

DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/15/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

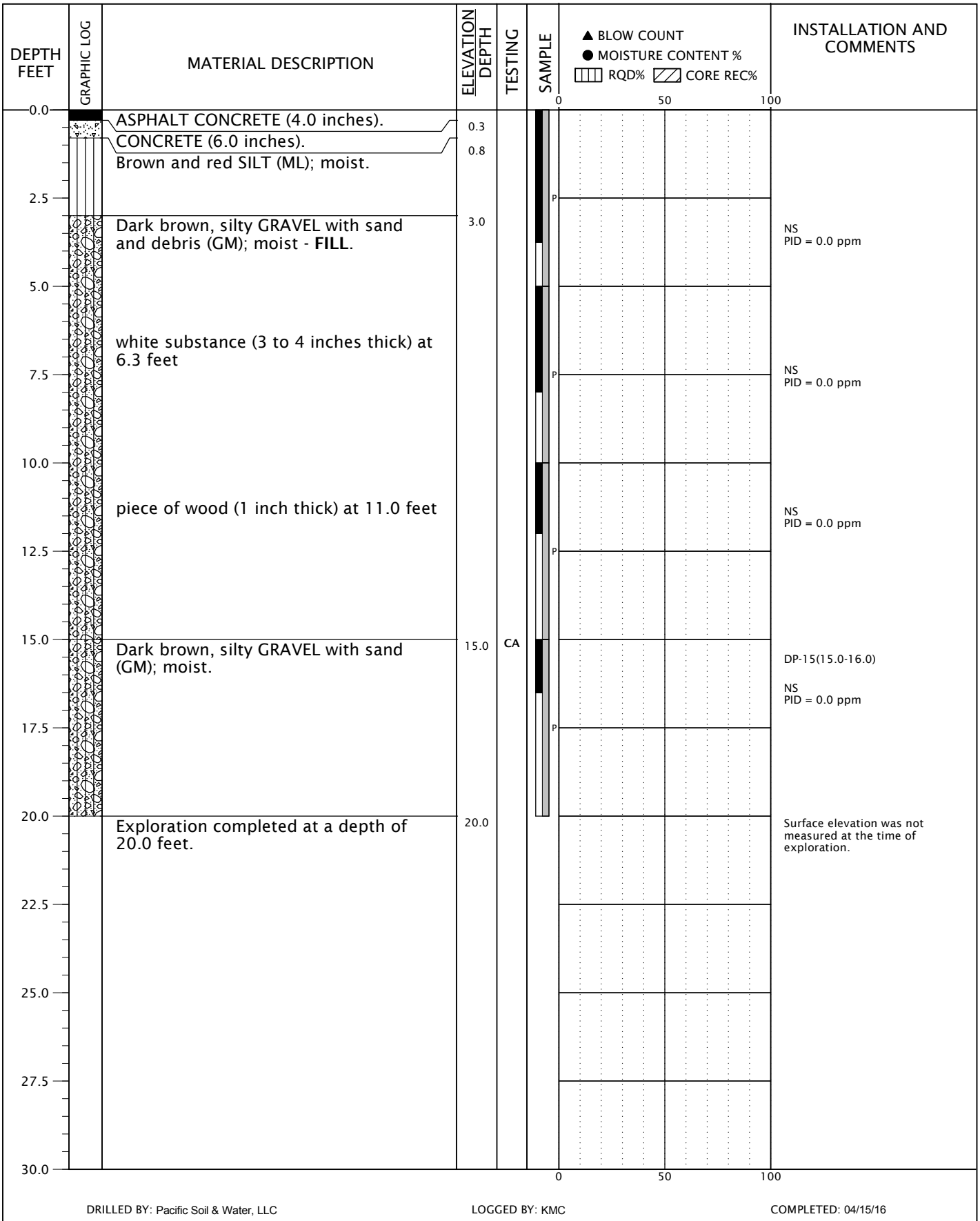
AUGUST 2016

BORING DP-14

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-14

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/15/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

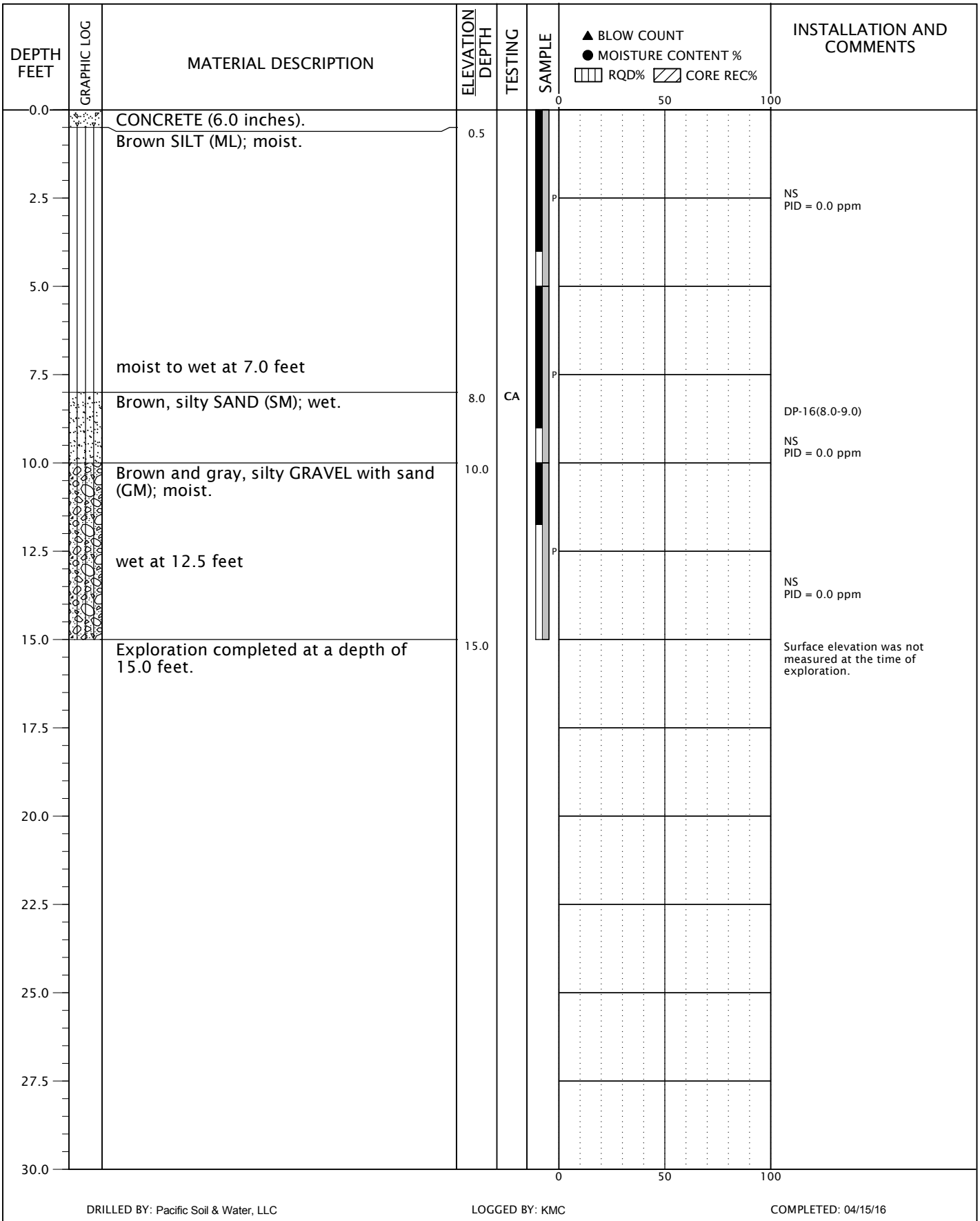
AUGUST 2016

BORING DP-15

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-15

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/15/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

BORING DP-16

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-16

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT

DEPTH FEET	MATERIAL DESCRIPTION	ELEVATION DEPTH	TESTING	SAMPLE
0.0	CONCRETE (8.0 inches).			
	Brown with orange mottled SILT with sand (ML); moist.	0.7		P
2.5				
5.0	gray at 6.0 feet			
7.5			CA	P
10.0	Brown, silty GRAVEL with sand (GM); moist.	10.5		
12.5	wet at 12.0 feet			P
15.0	Exploration completed at a depth of 15.0 feet.	15.0		
17.5				
20.0				
22.5				
25.0				
27.5				
30.0				

▲ BLOW COUNT
● MOISTURE CONTENT %
RQD% CORE REC%

0 50 100

INSTALLATION AND COMMENTS

Petroleum-like odor.
DP-17(7.0-8.0)
SS
PID = 396 ppm
MS
PID = 591 ppm

NS
PID = 33.8 ppm

NS
PID = 7.8 ppm

Groundwater sample DP-17 collected.

Surface elevation was not measured at the time of exploration.

▽ 12.8 feet, during drilling

DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/15/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

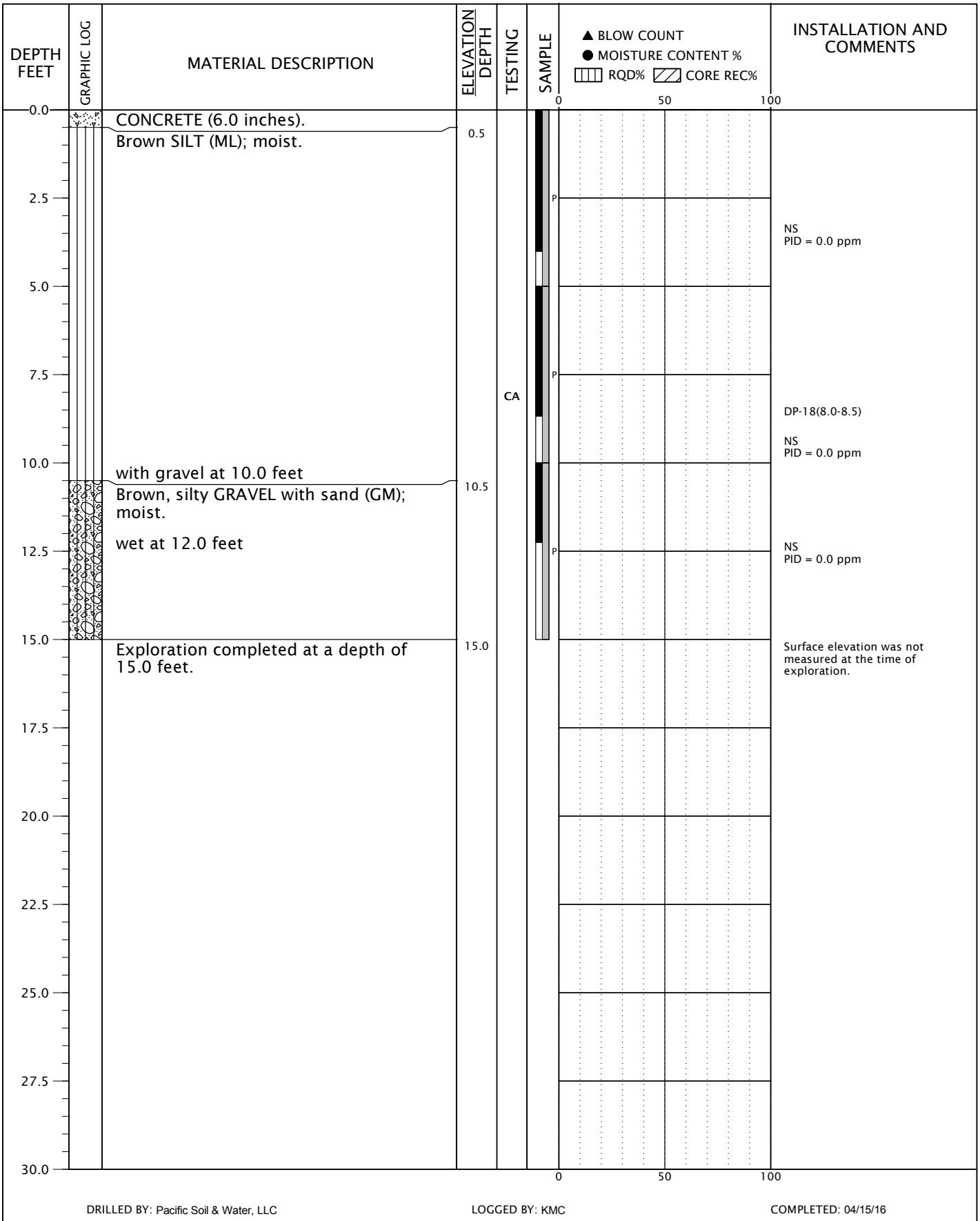
BORING DP-17

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-17

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 04/15/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

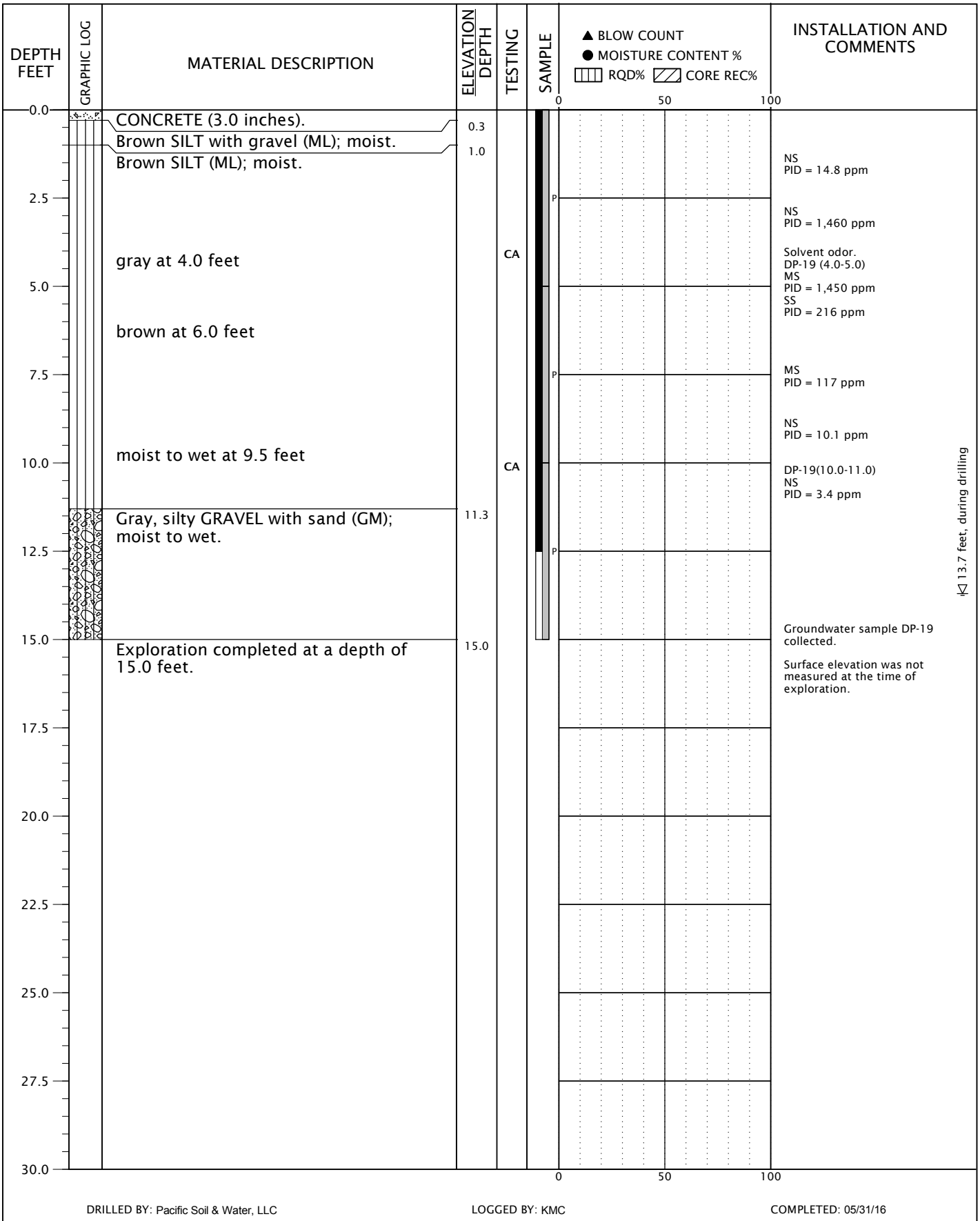
BORING DP-18

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-18

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 05/31/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

AUGUST 2016

BORING DP-19

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-19

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT

DEPTH FEET	MATERIAL DESCRIPTION	ELEVATION DEPTH	TESTING	SAMPLE	INSTALLATION AND COMMENTS
0.0	CONCRETE (10.0 inches).				
	Gray, silty GRAVEL with sand (GM); moist.	0.8			
2.5				P	NS PID = 1.4 ppm
5.0					
	Brown SILT (ML); moist.	6.8			
7.5				P	NS PID = 1.0 ppm
10.0	moist to wet at 10.0 feet		CA		DP-20(10.0-11.0) NS PID = 1.7 ppm
	Gray, silty GRAVEL with sand (GM); moist to wet.	11.0			
12.5				P	
15.0	Exploration completed at a depth of 15.0 feet.	15.0			Surface elevation was not measured at the time of exploration.
17.5					
20.0					
22.5					
25.0					
27.5					
30.0					

▲ BLOW COUNT
● MOISTURE CONTENT %
RQD% CORE REC%

SAMPLE: 0 50 100

DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 05/31/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

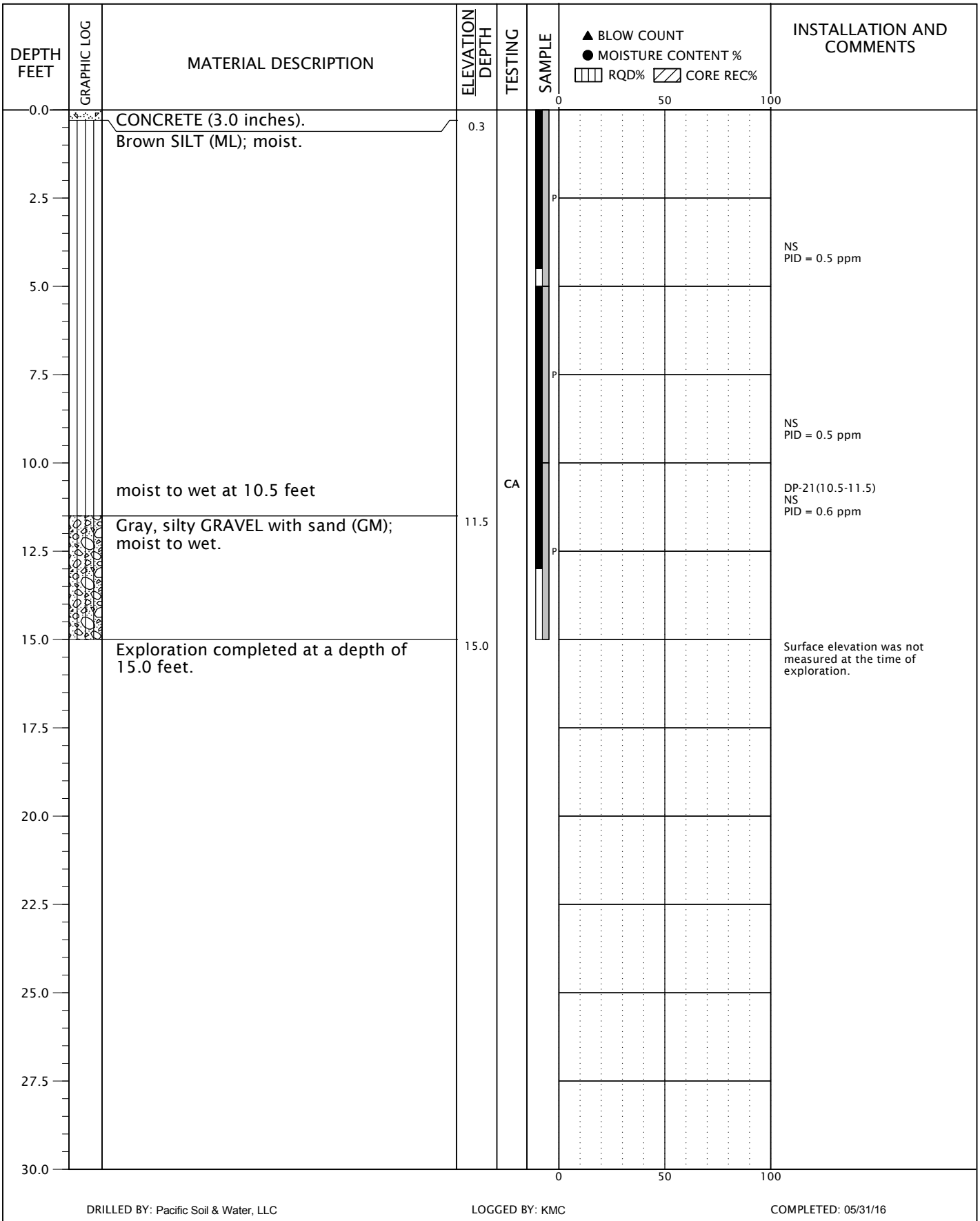
AUGUST 2016

BORING DP-20

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-20

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 05/31/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

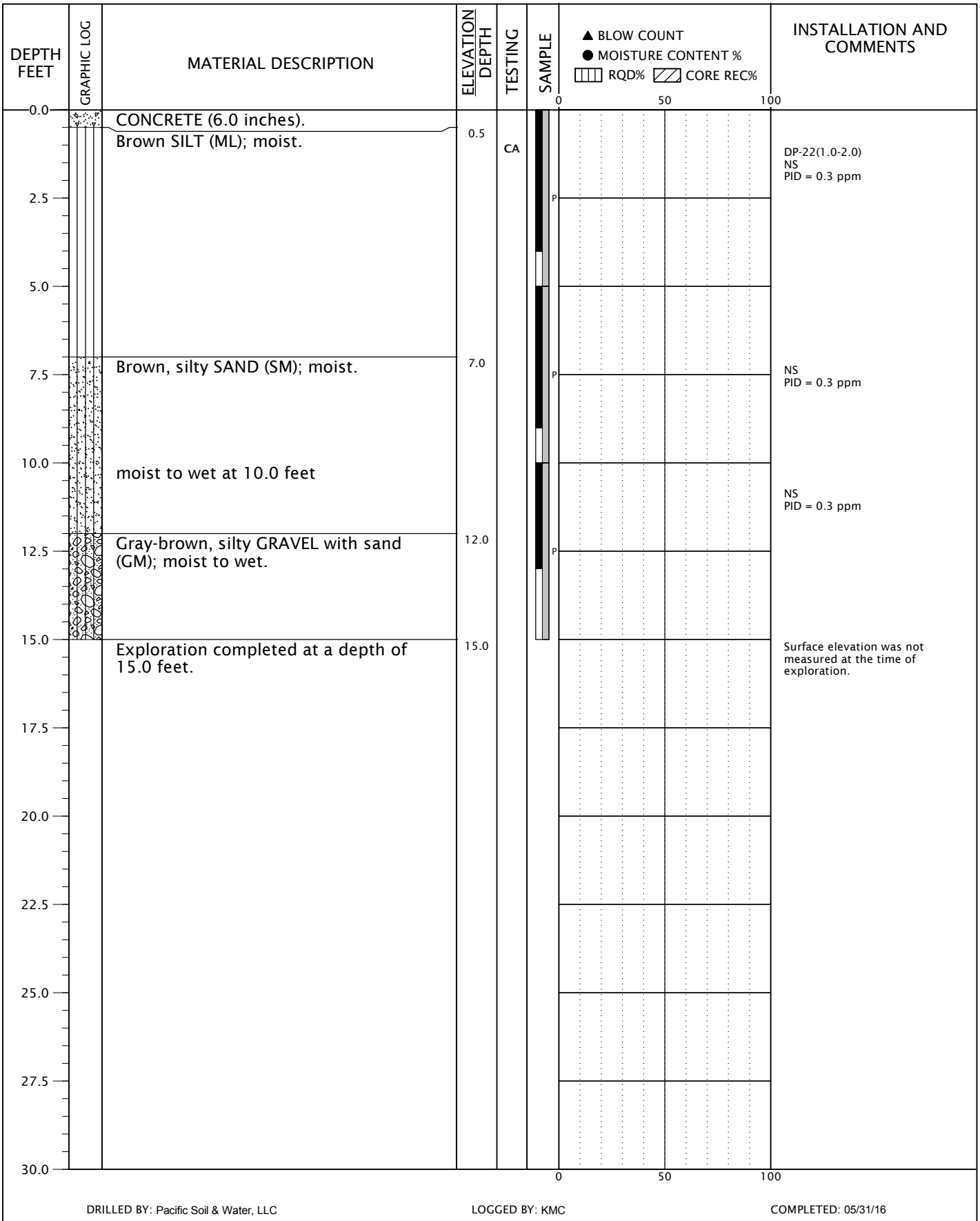
BORING DP-21

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-21

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 05/31/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

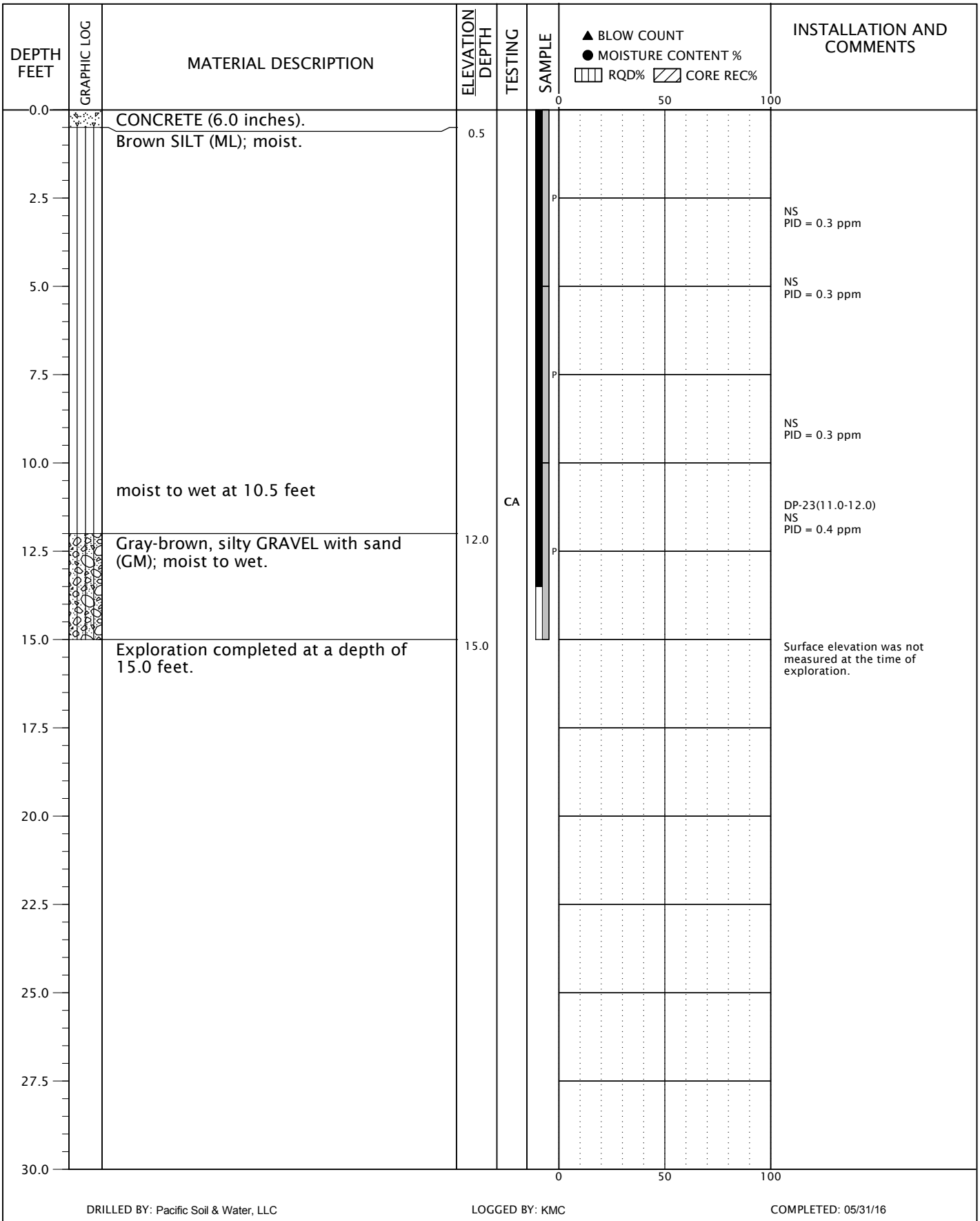
BORING DP-22

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-22

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 05/31/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

BORING DP-23

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-23

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT

DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	ELEVATION DEPTH	TESTING	SAMPLE	▲ BLOW COUNT ● MOISTURE CONTENT % RQD% CORE REC% (0 50 100)	INSTALLATION AND COMMENTS
0.0		CONCRETE (8.5 inches).					
		Brown SILT (ML); moist.	0.7				
2.5					P		NS PID = 0.6 ppm
5.0							
7.5					P		
10.0		Brown, silty SAND (SM); moist to wet.	9.5	CA			DP-24(10.0-11.0) NS PID = 0.5 ppm
		Gray-brown, silty GRAVEL with sand (GM); moist to wet.	11.0		P		
12.5							
15.0		Exploration completed at a depth of 15.0 feet.	15.0				Surface elevation was not measured at the time of exploration.
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							

DRILLED BY: Pacific Soil & Water, LLC | LOGGED BY: KMC | COMPLETED: 05/31/16

BORING METHOD: direct push (see document text) | BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

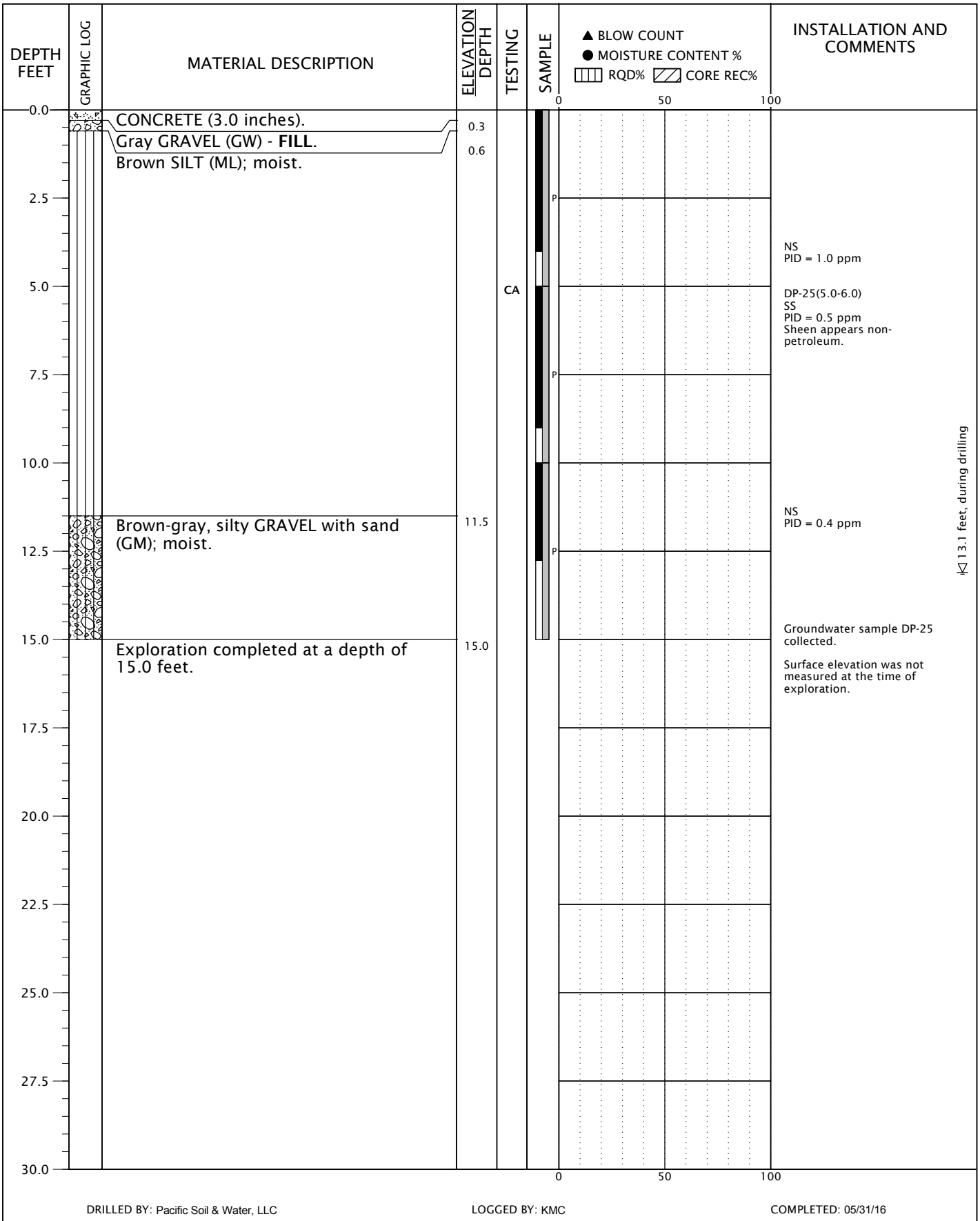
BORING DP-24

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-24

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 05/31/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

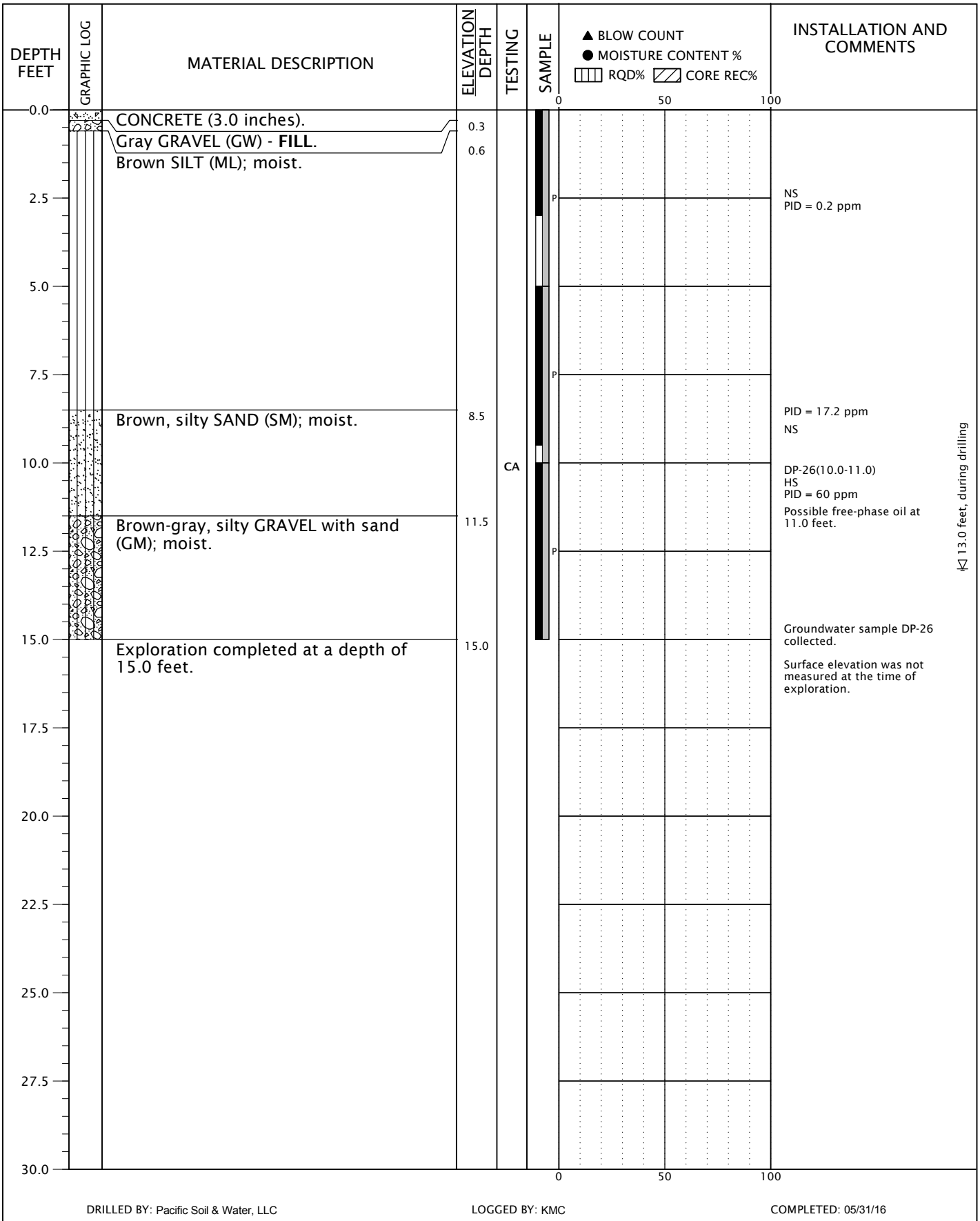
BORING DP-25

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-25

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 05/31/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

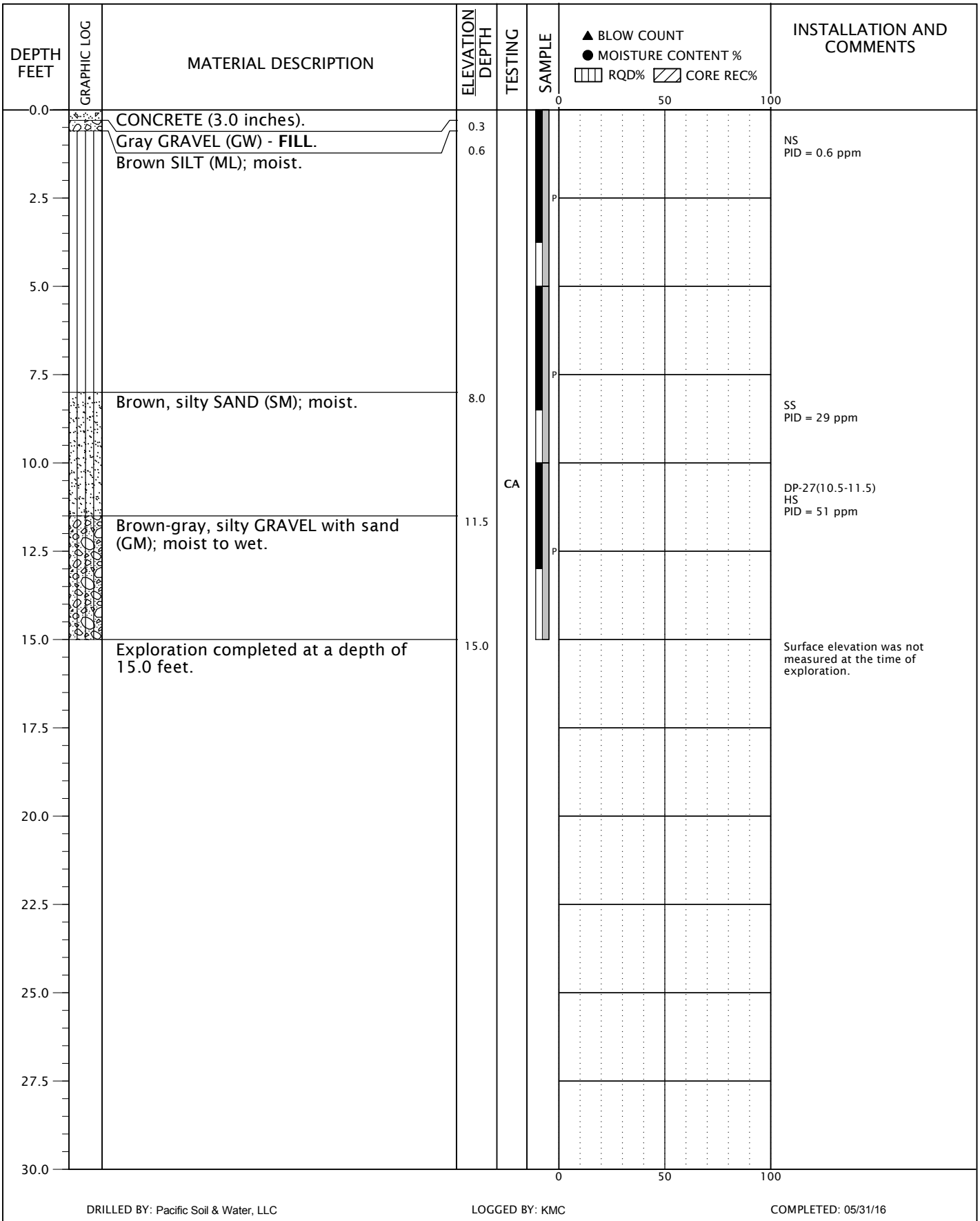
BORING DP-26

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-26

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: Pacific Soil & Water, LLC

LOGGED BY: KMC

COMPLETED: 05/31/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

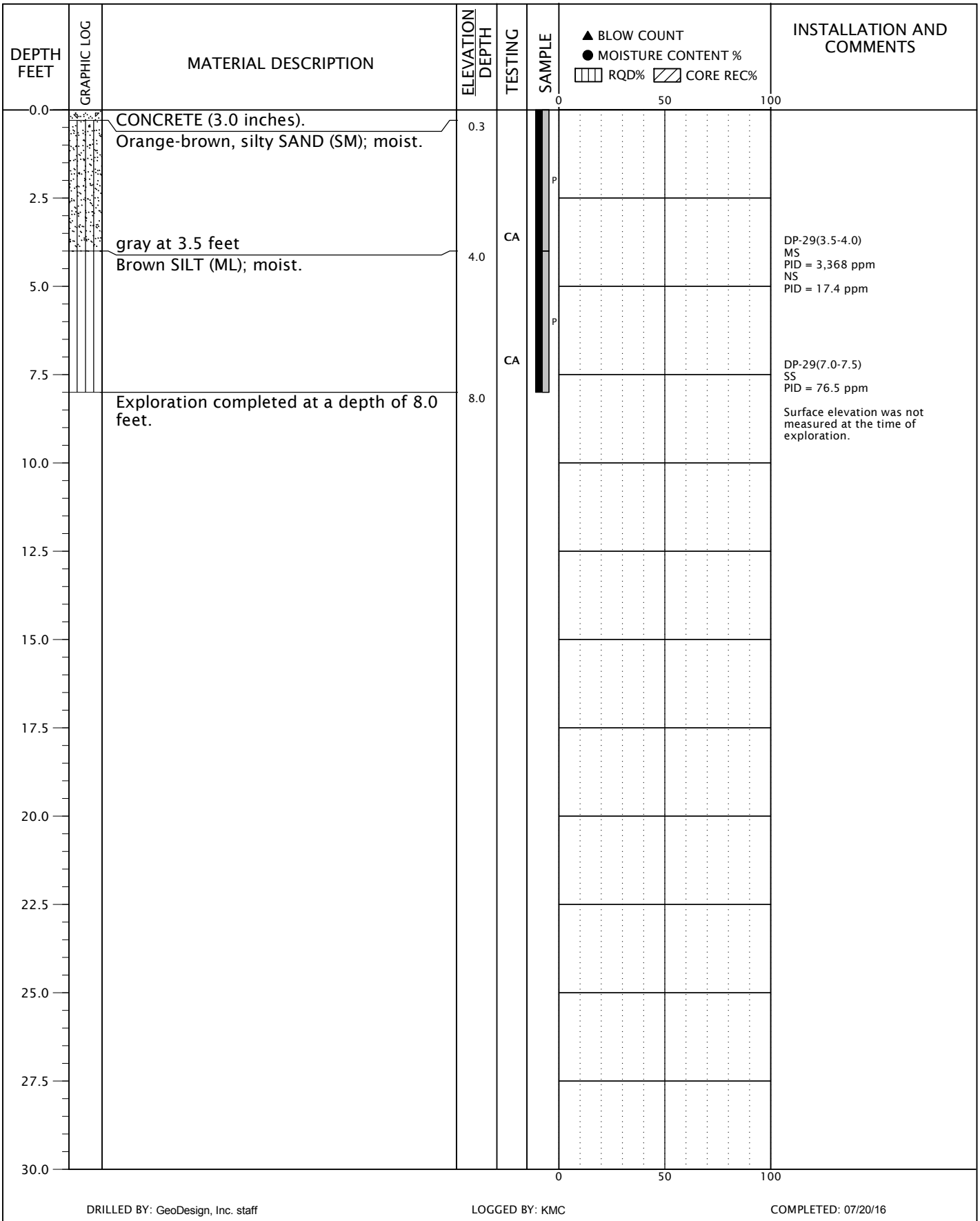
BORING DP-27

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-27

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: GeoDesign, Inc. staff

LOGGED BY: KMC

COMPLETED: 07/20/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

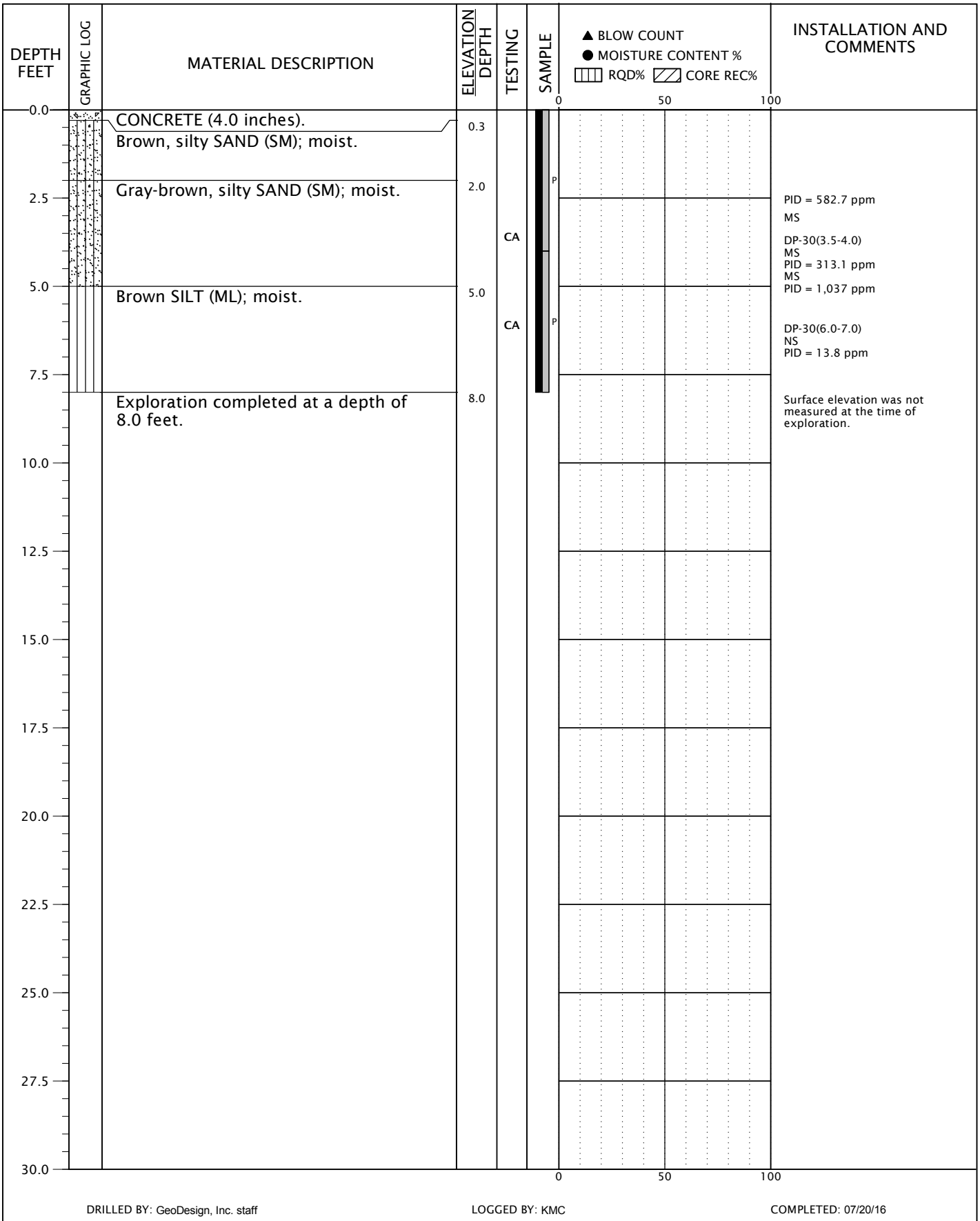
BORING DP-29

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-28

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: GeoDesign, Inc. staff

LOGGED BY: KMC

COMPLETED: 07/20/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

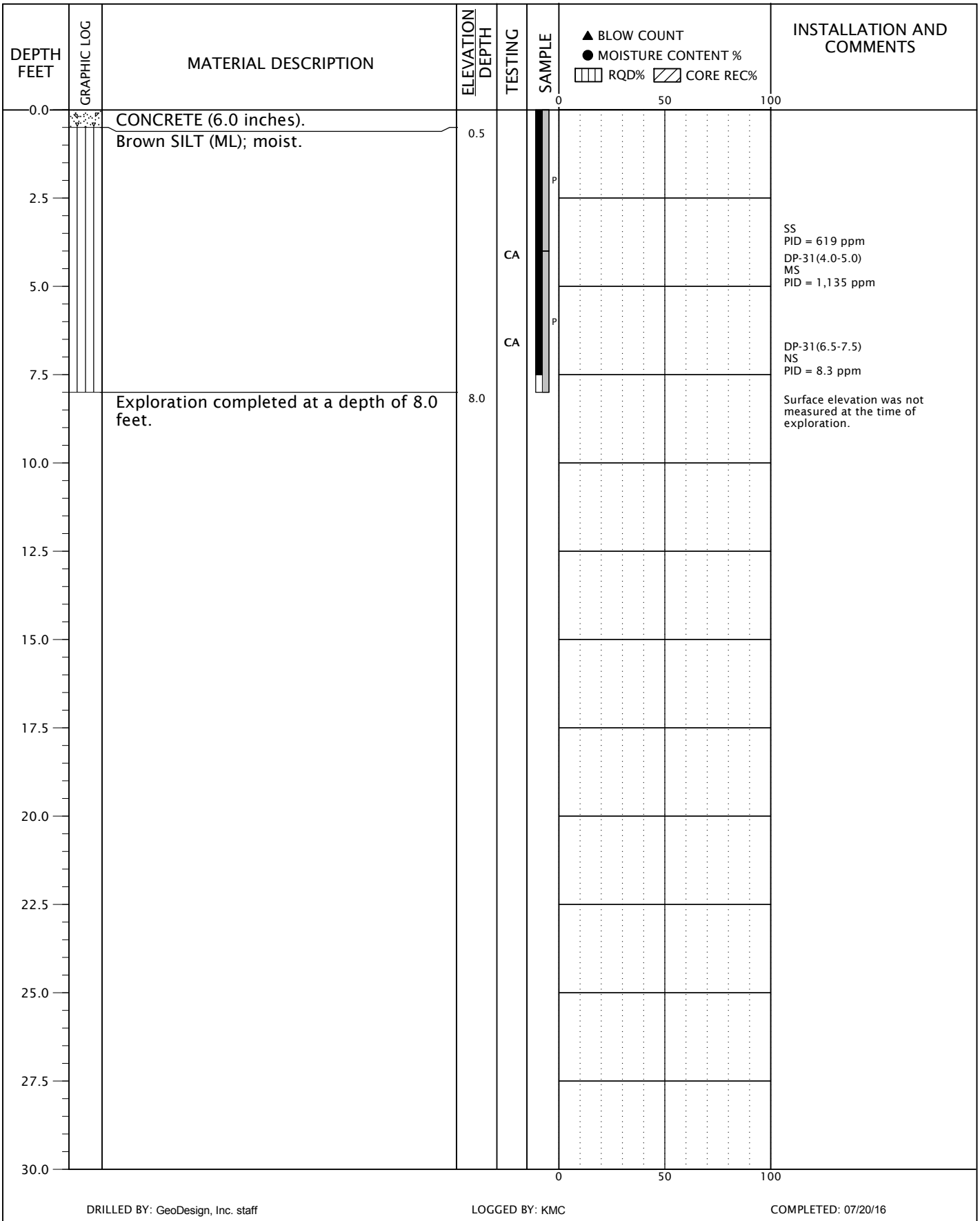
BORING DP-30

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-29

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



DRILLED BY: GeoDesign, Inc. staff

LOGGED BY: KMC

COMPLETED: 07/20/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

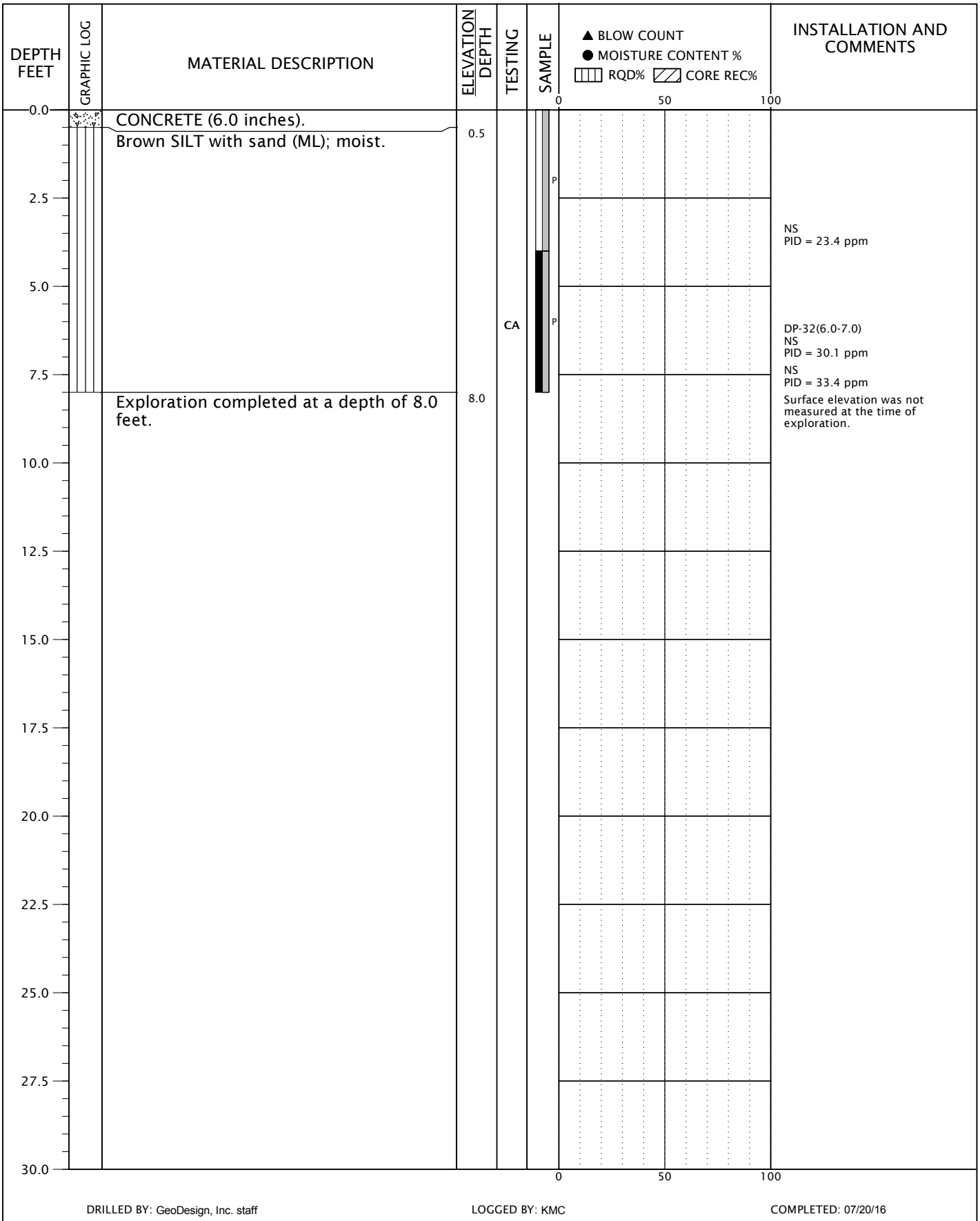
CAPSTONE-12-02/12-03

AUGUST 2016

BORING DP-31

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-30



BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

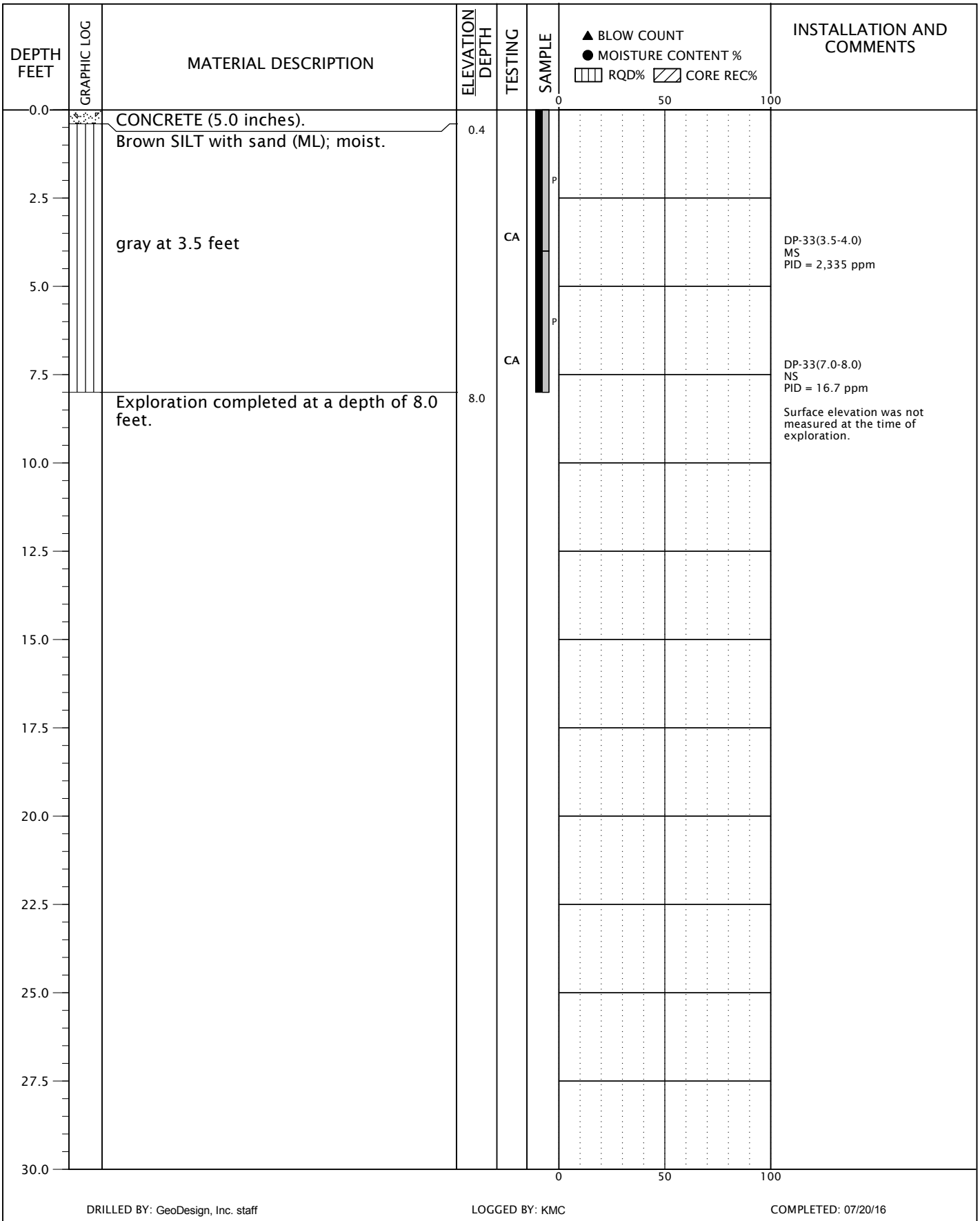
CAPSTONE-12-02/12-03

BORING DP-32

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-31



BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

BORING DP-33

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-32

DEPTH FEET	GRAPHIC LOG	MATERIAL DESCRIPTION	ELEVATION DEPTH	TESTING	SAMPLE	▲ BLOW COUNT ● MOISTURE CONTENT % RQD% CORE REC% (0 / 50 / 100)	INSTALLATION AND COMMENTS
0.0		CONCRETE (4.0 inches).	0.3				
		Brown SILT with sand (ML); moist. gray with orange mottles at 1.0 foot			P		
2.5		brown at 2.0 feet					NS PID = 15.3 ppm
5.0				CA	P		DP-25(6.0-7.0) NS PID = 16.7 ppm
7.5		Exploration completed at a depth of 8.0 feet.	8.0				Surface elevation was not measured at the time of exploration.
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							
25.0							
27.5							
30.0							

DRILLED BY: GeoDesign, Inc. staff | LOGGED BY: KMC | COMPLETED: 07/20/16

BORING METHOD: direct push (see document text) | BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

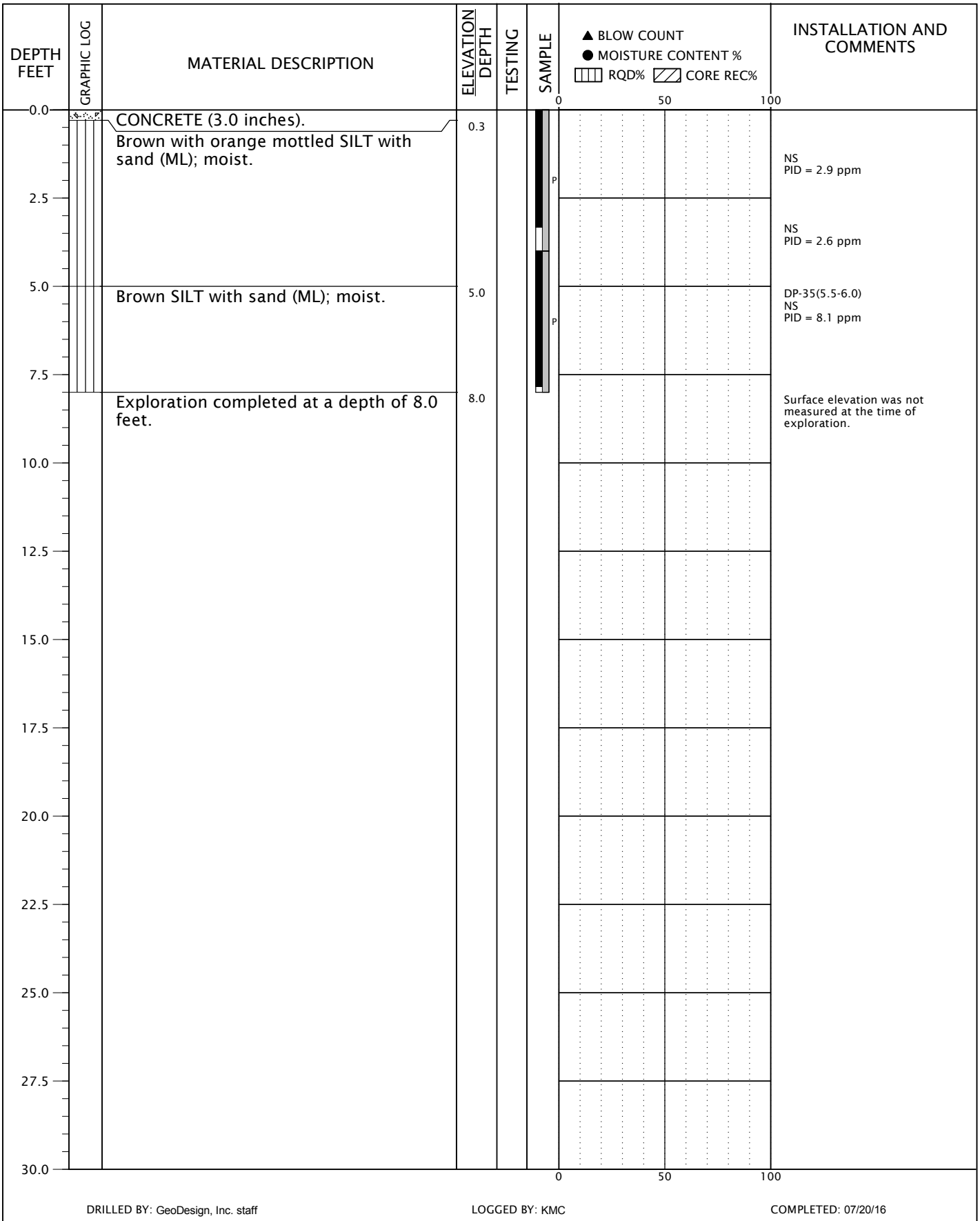
BORING DP-34

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-33

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT



BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

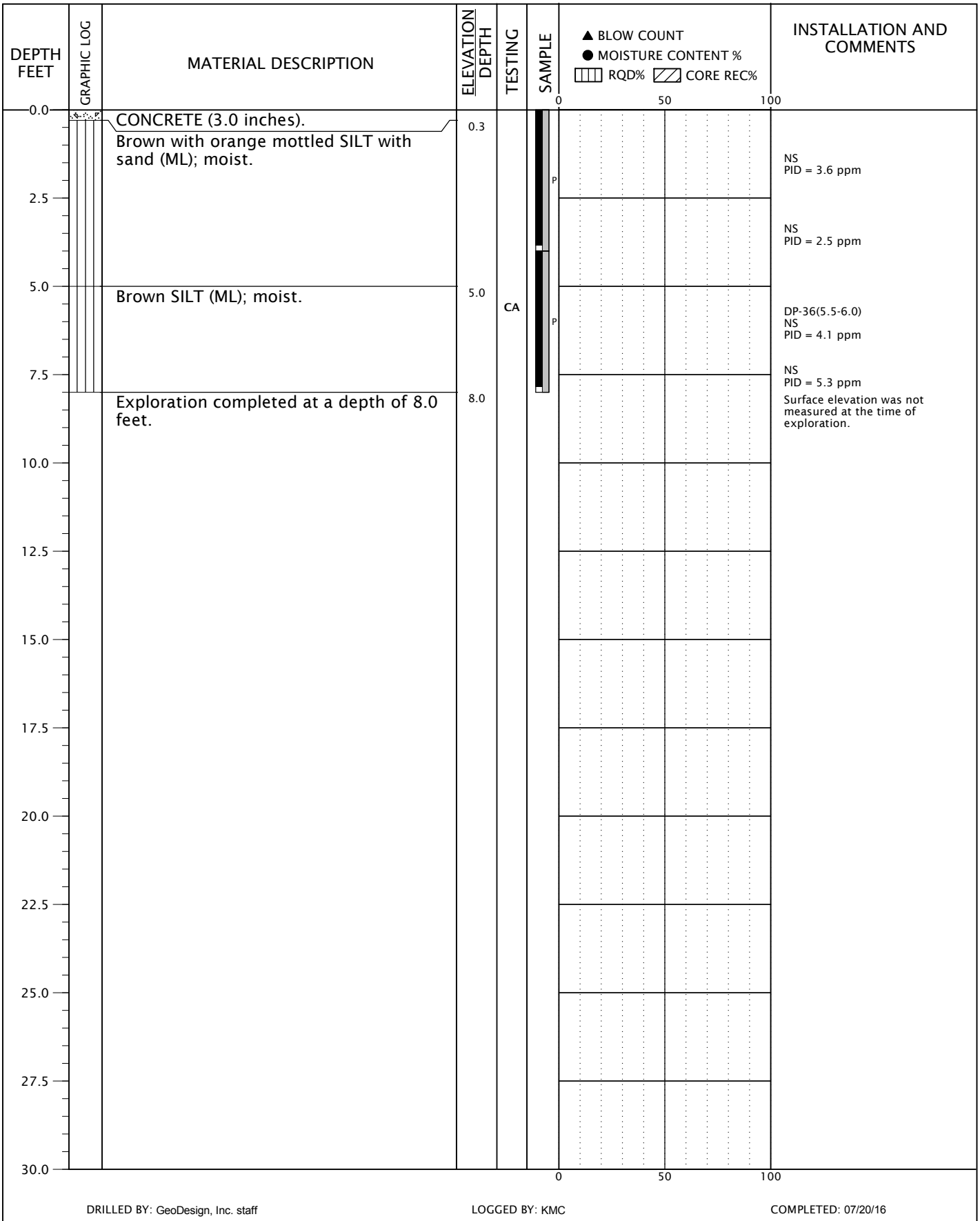
CAPSTONE-12-02/12-03

BORING DP-35

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-34



DRILLED BY: GeoDesign, Inc. staff

LOGGED BY: KMC

COMPLETED: 07/20/16

BORING METHOD: direct push (see document text)

BORING BIT DIAMETER: 2 1/4 inches

GEODESIGN INC
15575 SW Sequoia Parkway - Suite 100
Portland OR 97224
Off 503.968.8787 Fax 503.968.3068

CAPSTONE-12-02/12-03

BORING DP-36

AUGUST 2016

CUSTOM STAMPING SITE
PORTLAND, OR

FIGURE F-35

BORING LOG CAPSTONE-12-02&12-03-DP1_27-DP29_36.GPJ GEODESIGN.GDT PRINT DATE: 8/17/16:RC:KT

APPENDIX G

APPENDIX G

CHEMICAL ANALYTICAL PROGRAM

GENERAL

Chain-of-custody procedures were followed during handling and transport of the soil, groundwater, and sub-slab vapor samples to the analytical laboratory. The analytical results, analytical methods reference, and laboratory qc records are presented in this appendix.

REVIEW OF ANALYTICAL DATA

The analytical laboratory maintains an internal quality assurance program consisting of a combination of the following:

Surrogate Recoveries: Surrogates are compounds that are similar in nature to the analytes of interest but are not normally found in nature, or expected to be found in the project samples. The surrogates are added to quality control and project samples prior to analysis. The percent recovery of the surrogate is calculated to demonstrate acceptable method performance.

Duplicates: Duplicates are obtained by splitting a sample into two parts. The two separate parts are carried through the analyses. The analytical results are then compared by calculating the RPD between the samples.

MS/MSD Recoveries: MS/MSD samples are representative but randomly chosen project samples that have known concentrations of analytes of interest added to the samples prior to sample preparation and analysis. They are processed along with the same unspiked project sample. The purpose of the MS/MSD is to document the accuracy and precision of the method for that specific sample. The analytical results for both samples are then compared for RPD and percent recovery to demonstrate acceptable method performance.

BS/BSD (Laboratory Control Spike/Laboratory Control Spike Duplicate) Recoveries: BS and BSD samples are obtained and analyzed in the same procedure as the MS/MSD samples; however, the laboratory blank sample is used to obtain the BS/BSD samples. The percent recovery and RPD of the known concentration of analyte of interest added to the BS/BSD sample is calculated after chemical analyses to demonstrate acceptable method performance.

CCVs: CCVs are completed to confirm acceptable calibration of the instruments during analysis of the project samples. In general, failure of the CCV indicates that the initial calibration is no longer valid and recalibration of the instrument and reanalysis of the project samples is necessary.

SUMMARY OF ANALYTICAL DATA REVIEW

GeoDesign reviewed the attached analytical data reports for data quality exceptions and deviations from acceptable method performance criteria. Based on our review of the analytical reports, the analytical data appear acceptable for their intended use.

ANALYTICAL REPORT

April 14, 2016

GeoDesign Inc.

Sample Delivery Group:	L828213
Samples Received:	04/07/2016
Project Number:	CAPSTONE-12-03
Description:	Capstone-12-03

Report To: Eric Hedberg
15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Entire Report Reviewed By:

Jarred Willis
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 4

[5]Sr: Sample Results 5

SV-1 L828213-01 5

SV-2 L828213-02 7

SV-3 L828213-03 9

SV-4 L828213-04 11

SV-5 L828213-05 13

SV-6 L828213-06 15

SV-7 L828213-07 17

[6]Qc: Quality Control Summary 19

Volatile Organic Compounds (MS) by Method TO-15 19

[7]Gl: Glossary of Terms 29

[8]Al: Accreditations & Locations 30

[9]Sc: Chain of Custody 31

SV-1 L828213-01 Air

Collected by: Kevin Cline | Collected date/time: 04/06/16 09:08 | Received date/time: 04/07/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG863859	25	04/12/16 17:03	04/12/16 17:03	MBF

SV-2 L828213-02 Air

Collected by: Kevin Cline | Collected date/time: 04/06/16 09:18 | Received date/time: 04/07/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG863337	2	04/09/16 19:50	04/09/16 19:50	MBF

SV-3 L828213-03 Air

Collected by: Kevin Cline | Collected date/time: 04/06/16 09:28 | Received date/time: 04/07/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG863337	80	04/09/16 20:31	04/09/16 20:31	MBF
Volatile Organic Compounds (MS) by Method TO-15	WG863941	8000	04/12/16 21:34	04/12/16 21:34	SNH
Volatile Organic Compounds (MS) by Method TO-15	WG864479	20000	04/14/16 04:20	04/14/16 04:20	SNH

SV-4 L828213-04 Air

Collected by: Kevin Cline | Collected date/time: 04/06/16 10:45 | Received date/time: 04/07/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG863337	2	04/09/16 21:14	04/09/16 21:14	MBF
Volatile Organic Compounds (MS) by Method TO-15	WG863941	20	04/12/16 22:20	04/12/16 22:20	SNH

SV-5 L828213-05 Air

Collected by: Kevin Cline | Collected date/time: 04/06/16 10:57 | Received date/time: 04/07/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG863337	2	04/09/16 21:58	04/09/16 21:58	MBF

SV-6 L828213-06 Air

Collected by: Kevin Cline | Collected date/time: 04/06/16 11:27 | Received date/time: 04/07/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG863337	2	04/09/16 22:42	04/09/16 22:42	MBF

SV-7 L828213-07 Air

Collected by: Kevin Cline | Collected date/time: 04/06/16 11:35 | Received date/time: 04/07/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG863337	2	04/09/16 23:26	04/09/16 23:26	MBF
Volatile Organic Compounds (MS) by Method TO-15	WG863941	4000	04/12/16 23:06	04/12/16 23:06	SNH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jarred Willis
Technical Service Representative

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	31.2	74.1	307	730		25	WG863859
Allyl chloride	107-05-1	76.53	5.00	15.7	ND	ND		25	WG863859
Benzene	71-43-2	78.10	5.00	16.0	22.9	73.0		25	WG863859
Benzyl Chloride	100-44-7	127	5.00	26.0	ND	ND		25	WG863859
Bromodichloromethane	75-27-4	164	5.00	33.5	ND	ND		25	WG863859
Bromoform	75-25-2	253	15.0	155	ND	ND		25	WG863859
Bromomethane	74-83-9	94.90	5.00	19.4	ND	ND		25	WG863859
1,3-Butadiene	106-99-0	54.10	50.0	111	ND	ND		25	WG863859
Carbon disulfide	75-15-0	76.10	5.00	15.6	ND	ND		25	WG863859
Carbon tetrachloride	56-23-5	154	5.00	31.5	ND	ND		25	WG863859
Chlorobenzene	108-90-7	113	5.00	23.1	ND	ND		25	WG863859
Chloroethane	75-00-3	64.50	5.00	13.2	20.1	53.1		25	WG863859
Chloroform	67-66-3	119	5.00	24.3	ND	ND		25	WG863859
Chloromethane	74-87-3	50.50	5.00	10.3	ND	ND		25	WG863859
2-Chlorotoluene	95-49-8	126	5.00	25.8	ND	ND		25	WG863859
Cyclohexane	110-82-7	84.20	5.00	17.2	ND	ND		25	WG863859
Dibromochloromethane	124-48-1	208	5.00	42.5	ND	ND		25	WG863859
1,2-Dibromoethane	106-93-4	188	5.00	38.4	ND	ND		25	WG863859
1,2-Dichlorobenzene	95-50-1	147	5.00	30.1	ND	ND		25	WG863859
1,3-Dichlorobenzene	541-73-1	147	5.00	30.1	ND	ND		25	WG863859
1,4-Dichlorobenzene	106-46-7	147	5.00	30.1	ND	ND		25	WG863859
1,2-Dichloroethane	107-06-2	99	5.00	20.2	ND	ND		25	WG863859
1,1-Dichloroethane	75-34-3	98	5.00	20.0	10.3	41.4		25	WG863859
1,1-Dichloroethene	75-35-4	96.90	5.00	19.8	12.5	49.5		25	WG863859
cis-1,2-Dichloroethene	156-59-2	96.90	5.00	19.8	12.5	49.5		25	WG863859
trans-1,2-Dichloroethene	156-60-5	96.90	5.00	19.8	ND	ND		25	WG863859
1,2-Dichloropropane	78-87-5	113	5.00	23.1	ND	ND		25	WG863859
cis-1,3-Dichloropropene	10061-01-5	111	5.00	22.7	ND	ND		25	WG863859
trans-1,3-Dichloropropene	10061-02-6	111	5.00	22.7	ND	ND		25	WG863859
1,4-Dioxane	123-91-1	88.10	5.00	18.0	48.0	173		25	WG863859
Ethanol	64-17-5	46.10	15.8	29.8	173	325		25	WG863859
Ethylbenzene	100-41-4	106	5.00	21.7	9.86	42.7		25	WG863859
4-Ethyltoluene	622-96-8	120	5.00	24.5	123	602		25	WG863859
Trichlorofluoromethane	75-69-4	137.40	5.00	28.1	ND	ND		25	WG863859
Dichlorodifluoromethane	75-71-8	120.92	5.00	24.7	ND	ND		25	WG863859
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	5.00	38.3	ND	ND		25	WG863859
1,2-Dichlorotetrafluoroethane	76-14-2	171	5.00	35.0	ND	ND		25	WG863859
Heptane	142-82-5	100	5.00	20.4	25.4	104		25	WG863859
Hexachloro-1,3-butadiene	87-68-3	261	15.8	169	ND	ND		25	WG863859
n-Hexane	110-54-3	86.20	5.00	17.6	43.7	154		25	WG863859
Isopropylbenzene	98-82-8	120.20	5.00	24.6	18.8	92.6		25	WG863859
Methylene Chloride	75-09-2	84.90	5.00	17.4	ND	ND		25	WG863859
Methyl Butyl Ketone	591-78-6	100	31.2	128	ND	ND		25	WG863859
2-Butanone (MEK)	78-93-3	72.10	31.2	92.0	98.5	290		25	WG863859
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	31.2	128	ND	ND		25	WG863859
Methyl methacrylate	80-62-6	100.12	5.00	20.5	ND	ND		25	WG863859
MTBE	1634-04-4	88.10	5.00	18.0	ND	ND		25	WG863859
Naphthalene	91-20-3	128	15.8	82.7	ND	ND		25	WG863859
2-Propanol	67-63-0	60.10	31.2	76.7	43.2	106		25	WG863859
Propene	115-07-1	42.10	10.0	17.2	278	478		25	WG863859
Styrene	100-42-5	104	5.00	21.3	ND	ND		25	WG863859
1,1,2,2-Tetrachloroethane	79-34-5	168	5.00	34.4	ND	ND		25	WG863859
Tetrachloroethylene	127-18-4	166	5.00	33.9	60.0	407		25	WG863859
Tetrahydrofuran	109-99-9	72.10	5.00	14.7	ND	ND		25	WG863859
Toluene	108-88-3	92.10	5.00	18.8	15.0	56.5		25	WG863859
1,2,4-Trichlorobenzene	120-82-1	181	15.8	117	ND	ND		25	WG863859

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	5.00	27.2	21.8	118		25	WG863859
1,1,2-Trichloroethane	79-00-5	133	5.00	27.2	ND	ND		25	WG863859
Trichloroethylene	79-01-6	131	5.00	26.8	66.0	353		25	WG863859
1,2,4-Trimethylbenzene	95-63-6	120	5.00	24.5	179	880		25	WG863859
1,3,5-Trimethylbenzene	108-67-8	120	5.00	24.5	137	673	J3	25	WG863859
2,2,4-Trimethylpentane	540-84-1	114.22	5.00	23.4	ND	ND		25	WG863859
Vinyl chloride	75-01-4	62.50	5.00	12.8	6.73	17.2		25	WG863859
Vinyl Bromide	593-60-2	106.95	5.00	21.9	ND	ND		25	WG863859
Vinyl acetate	108-05-4	86.10	5.00	17.6	ND	ND		25	WG863859
m&p-Xylene	1330-20-7	106	10.0	43.4	28.9	125		25	WG863859
o-Xylene	95-47-6	106	5.00	21.7	47.3	205		25	WG863859
TPH (GC/MS) Low Fraction	8006-61-9	101	1250	5160	18500	76400		25	WG863859
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*125*				WG863859

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	2.50	5.94	23.3	55.3		2	WG863337
Allyl chloride	107-05-1	76.53	0.400	1.25	ND	ND		2	WG863337
Benzene	71-43-2	78.10	0.400	1.28	1.43	4.57		2	WG863337
Benzyl Chloride	100-44-7	127	0.400	2.08	ND	ND		2	WG863337
Bromodichloromethane	75-27-4	164	0.400	2.68	ND	ND		2	WG863337
Bromoform	75-25-2	253	1.20	12.4	ND	ND		2	WG863337
Bromomethane	74-83-9	94.90	0.400	1.55	ND	ND		2	WG863337
1,3-Butadiene	106-99-0	54.10	4.00	8.85	ND	ND		2	WG863337
Carbon disulfide	75-15-0	76.10	0.400	1.24	2.63	8.18		2	WG863337
Carbon tetrachloride	56-23-5	154	0.400	2.52	ND	ND		2	WG863337
Chlorobenzene	108-90-7	113	0.400	1.85	ND	ND		2	WG863337
Chloroethane	75-00-3	64.50	0.400	1.06	ND	ND		2	WG863337
Chloroform	67-66-3	119	0.400	1.95	ND	ND		2	WG863337
Chloromethane	74-87-3	50.50	0.400	0.826	ND	ND		2	WG863337
2-Chlorotoluene	95-49-8	126	0.400	2.06	ND	ND		2	WG863337
Cyclohexane	110-82-7	84.20	0.400	1.38	ND	ND		2	WG863337
Dibromochloromethane	124-48-1	208	0.400	3.40	ND	ND		2	WG863337
1,2-Dibromoethane	106-93-4	188	0.400	3.08	ND	ND		2	WG863337
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	ND	ND		2	WG863337
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	ND	ND		2	WG863337
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	ND	ND		2	WG863337
1,2-Dichloroethane	107-06-2	99	0.400	1.62	ND	ND		2	WG863337
1,1-Dichloroethane	75-34-3	98	0.400	1.60	ND	ND		2	WG863337
1,1-Dichloroethene	75-35-4	96.90	0.400	1.59	ND	ND		2	WG863337
cis-1,2-Dichloroethene	156-59-2	96.90	0.400	1.59	ND	ND		2	WG863337
trans-1,2-Dichloroethene	156-60-5	96.90	0.400	1.59	ND	ND		2	WG863337
1,2-Dichloropropane	78-87-5	113	0.400	1.85	ND	ND		2	WG863337
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.82	ND	ND		2	WG863337
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.82	ND	ND		2	WG863337
1,4-Dioxane	123-91-1	88.10	0.400	1.44	5.31	19.1		2	WG863337
Ethanol	64-17-5	46.10	1.26	2.38	17.6	33.2		2	WG863337
Ethylbenzene	100-41-4	106	0.400	1.73	ND	ND		2	WG863337
4-Ethyltoluene	622-96-8	120	0.400	1.96	ND	ND		2	WG863337
Trichlorofluoromethane	75-69-4	137.40	0.400	2.25	ND	ND		2	WG863337
Dichlorodifluoromethane	75-71-8	120.92	0.400	1.98	0.625	3.09		2	WG863337
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.400	3.07	ND	ND		2	WG863337
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	ND	ND		2	WG863337
Heptane	142-82-5	100	0.400	1.64	ND	ND		2	WG863337
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.5	ND	ND		2	WG863337
n-Hexane	110-54-3	86.20	0.400	1.41	0.487	1.72		2	WG863337
Isopropylbenzene	98-82-8	120.20	0.400	1.97	ND	ND		2	WG863337
Methylene Chloride	75-09-2	84.90	0.400	1.39	ND	ND		2	WG863337
Methyl Butyl Ketone	591-78-6	100	2.50	10.2	ND	ND		2	WG863337
2-Butanone (MEK)	78-93-3	72.10	2.50	7.37	5.48	16.2		2	WG863337
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	2.50	10.2	ND	ND		2	WG863337
Methyl methacrylate	80-62-6	100.12	0.400	1.64	ND	ND		2	WG863337
MTBE	1634-04-4	88.10	0.400	1.44	ND	ND		2	WG863337
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG863337
2-Propanol	67-63-0	60.10	2.50	6.15	3.44	8.46		2	WG863337
Propene	115-07-1	42.10	0.800	1.38	9.73	16.8		2	WG863337
Styrene	100-42-5	104	0.400	1.70	ND	ND		2	WG863337
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.75	ND	ND		2	WG863337
Tetrachloroethylene	127-18-4	166	0.400	2.72	15.0	102		2	WG863337
Tetrahydrofuran	109-99-9	72.10	0.400	1.18	ND	ND		2	WG863337
Toluene	108-88-3	92.10	0.400	1.51	1.22	4.58		2	WG863337
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.33	ND	ND		2	WG863337

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	2.18	1.24	6.73		2	WG863337
1,1,2-Trichloroethane	79-00-5	133	0.400	2.18	ND	ND		2	WG863337
Trichloroethylene	79-01-6	131	0.400	2.14	12.2	65.4		2	WG863337
1,2,4-Trimethylbenzene	95-63-6	120	0.400	1.96	0.415	2.04		2	WG863337
1,3,5-Trimethylbenzene	108-67-8	120	0.400	1.96	ND	ND		2	WG863337
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.87	ND	ND		2	WG863337
Vinyl chloride	75-01-4	62.50	0.400	1.02	ND	ND		2	WG863337
Vinyl Bromide	593-60-2	106.95	0.400	1.75	ND	ND		2	WG863337
Vinyl acetate	108-05-4	86.10	0.400	1.41	ND	ND		2	WG863337
m&p-Xylene	1330-20-7	106	0.800	3.47	ND	ND		2	WG863337
o-Xylene	95-47-6	106	0.400	1.73	ND	ND		2	WG863337
TPH (GC/MS) Low Fraction	8006-61-9	101	100	413	516	2130		2	WG863337
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.8*				WG863337

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	100	238	643	1530		80	WG863337
Allyl chloride	107-05-1	76.53	16.0	50.1	ND	ND		80	WG863337
Benzene	71-43-2	78.10	16.0	51.1	90.9	290		80	WG863337
Benzyl Chloride	100-44-7	127	16.0	83.1	ND	ND		80	WG863337
Bromodichloromethane	75-27-4	164	16.0	107	ND	ND		80	WG863337
Bromoform	75-25-2	253	48.0	497	ND	ND		80	WG863337
Bromomethane	74-83-9	94.90	16.0	62.1	ND	ND		80	WG863337
1,3-Butadiene	106-99-0	54.10	160	354	ND	ND		80	WG863337
Carbon disulfide	75-15-0	76.10	16.0	49.8	27.2	84.5		80	WG863337
Carbon tetrachloride	56-23-5	154	16.0	101	ND	ND		80	WG863337
Chlorobenzene	108-90-7	113	16.0	73.9	ND	ND		80	WG863337
Chloroethane	75-00-3	64.50	16.0	42.2	ND	ND		80	WG863337
Chloroform	67-66-3	119	16.0	77.9	56.3	274		80	WG863337
Chloromethane	74-87-3	50.50	16.0	33.0	ND	ND		80	WG863337
2-Chlorotoluene	95-49-8	126	16.0	82.5	ND	ND		80	WG863337
Cyclohexane	110-82-7	84.20	16.0	55.1	28.2	97.1		80	WG863337
Dibromochloromethane	124-48-1	208	16.0	136	ND	ND		80	WG863337
1,2-Dibromoethane	106-93-4	188	16.0	123	ND	ND		80	WG863337
1,2-Dichlorobenzene	95-50-1	147	16.0	96.2	ND	ND		80	WG863337
1,3-Dichlorobenzene	541-73-1	147	16.0	96.2	ND	ND		80	WG863337
1,4-Dichlorobenzene	106-46-7	147	16.0	96.2	ND	ND		80	WG863337
1,2-Dichloroethane	107-06-2	99	16.0	64.8	ND	ND		80	WG863337
1,1-Dichloroethane	75-34-3	98	16.0	64.1	ND	ND		80	WG863337
1,1-Dichloroethene	75-35-4	96.90	16.0	63.4	ND	ND		80	WG863337
cis-1,2-Dichloroethene	156-59-2	96.90	16.0	63.4	249	986		80	WG863337
trans-1,2-Dichloroethene	156-60-5	96.90	16.0	63.4	ND	ND		80	WG863337
1,2-Dichloropropane	78-87-5	113	16.0	73.9	ND	ND		80	WG863337
cis-1,3-Dichloropropene	10061-01-5	111	16.0	72.6	ND	ND		80	WG863337
trans-1,3-Dichloropropene	10061-02-6	111	16.0	72.6	ND	ND		80	WG863337
1,4-Dioxane	123-91-1	88.10	16.0	57.7	ND	ND		80	WG863337
Ethanol	64-17-5	46.10	50.4	95.0	207	389		80	WG863337
Ethylbenzene	100-41-4	106	16.0	69.4	196	852		80	WG863337
4-Ethyltoluene	622-96-8	120	16.0	78.5	175	861		80	WG863337
Trichlorofluoromethane	75-69-4	137.40	16.0	89.9	ND	ND		80	WG863337
Dichlorodifluoromethane	75-71-8	120.92	16.0	79.1	ND	ND		80	WG863337
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	16.0	123	ND	ND		80	WG863337
1,2-Dichlorotetrafluoroethane	76-14-2	171	16.0	112	ND	ND		80	WG863337
Heptane	142-82-5	100	16.0	65.4	71.7	293		80	WG863337
Hexachloro-1,3-butadiene	87-68-3	261	50.4	538	ND	ND		80	WG863337
n-Hexane	110-54-3	86.20	16.0	56.4	99.8	352		80	WG863337
Isopropylbenzene	98-82-8	120.20	16.0	78.7	ND	ND		80	WG863337
Methylene Chloride	75-09-2	84.90	16.0	55.6	ND	ND		80	WG863337
Methyl Butyl Ketone	591-78-6	100	100	409	ND	ND		80	WG863337
2-Butanone (MEK)	78-93-3	72.10	100	295	122	359		80	WG863337
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	100	409	ND	ND		80	WG863337
Methyl methacrylate	80-62-6	100.12	16.0	65.5	ND	ND		80	WG863337
MTBE	1634-04-4	88.10	16.0	57.7	24.4	87.8		80	WG863337
Naphthalene	91-20-3	128	50.4	264	ND	ND		80	WG863337
2-Propanol	67-63-0	60.10	100	246	ND	ND		80	WG863337
Propene	115-07-1	42.10	32.0	55.1	96.6	166		80	WG863337
Styrene	100-42-5	104	16.0	68.1	ND	ND		80	WG863337
1,1,2,2-Tetrachloroethane	79-34-5	168	16.0	110	ND	ND		80	WG863337
Tetrachloroethylene	127-18-4	166	16.0	109	232	1570		80	WG863337
Tetrahydrofuran	109-99-9	72.10	16.0	47.2	ND	ND		80	WG863337
Toluene	108-88-3	92.10	16.0	60.3	792	2980		80	WG863337
1,2,4-Trichlorobenzene	120-82-1	181	50.4	373	ND	ND		80	WG863337

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	16.0	87.0	53.7	292		80	WG863337
1,1,2-Trichloroethane	79-00-5	133	16.0	87.0	17.0	92.2		80	WG863337
Trichloroethylene	79-01-6	131	4000	21400	609000	3260000		20000	WG864479
1,2,4-Trimethylbenzene	95-63-6	120	16.0	78.5	134	658		80	WG863337
1,3,5-Trimethylbenzene	108-67-8	120	16.0	78.5	67.5	331		80	WG863337
2,2,4-Trimethylpentane	540-84-1	114.22	16.0	74.7	222	1040		80	WG863337
Vinyl chloride	75-01-4	62.50	16.0	40.9	ND	ND		80	WG863337
Vinyl Bromide	593-60-2	106.95	16.0	70.0	ND	ND		80	WG863337
Vinyl acetate	108-05-4	86.10	16.0	56.3	ND	ND		80	WG863337
m&p-Xylene	1330-20-7	106	32.0	139	727	3150		80	WG863337
o-Xylene	95-47-6	106	16.0	69.4	248	1080		80	WG863337
TPH (GC/MS) Low Fraction	8006-61-9	101	400000	1650000	574000	2370000		8000	WG863941
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.0*				WG863337

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	2.50	5.94	84.2	200		2	WG863337
Allyl chloride	107-05-1	76.53	0.400	1.25	ND	ND		2	WG863337
Benzene	71-43-2	78.10	0.400	1.28	6.23	19.9		2	WG863337
Benzyl Chloride	100-44-7	127	0.400	2.08	ND	ND		2	WG863337
Bromodichloromethane	75-27-4	164	0.400	2.68	ND	ND		2	WG863337
Bromoform	75-25-2	253	1.20	12.4	ND	ND		2	WG863337
Bromomethane	74-83-9	94.90	0.400	1.55	ND	ND		2	WG863337
1,3-Butadiene	106-99-0	54.10	4.00	8.85	5.91	13.1		2	WG863337
Carbon disulfide	75-15-0	76.10	0.400	1.24	2.30	7.17		2	WG863337
Carbon tetrachloride	56-23-5	154	0.400	2.52	ND	ND		2	WG863337
Chlorobenzene	108-90-7	113	0.400	1.85	ND	ND		2	WG863337
Chloroethane	75-00-3	64.50	0.400	1.06	ND	ND		2	WG863337
Chloroform	67-66-3	119	0.400	1.95	ND	ND		2	WG863337
Chloromethane	74-87-3	50.50	0.400	0.826	ND	ND		2	WG863337
2-Chlorotoluene	95-49-8	126	0.400	2.06	ND	ND		2	WG863337
Cyclohexane	110-82-7	84.20	0.400	1.38	ND	ND		2	WG863337
Dibromochloromethane	124-48-1	208	0.400	3.40	ND	ND		2	WG863337
1,2-Dibromoethane	106-93-4	188	0.400	3.08	ND	ND		2	WG863337
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	ND	ND		2	WG863337
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	ND	ND		2	WG863337
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	ND	ND		2	WG863337
1,2-Dichloroethane	107-06-2	99	0.400	1.62	ND	ND		2	WG863337
1,1-Dichloroethane	75-34-3	98	0.400	1.60	ND	ND		2	WG863337
1,1-Dichloroethene	75-35-4	96.90	0.400	1.59	ND	ND		2	WG863337
cis-1,2-Dichloroethene	156-59-2	96.90	0.400	1.59	ND	ND		2	WG863337
trans-1,2-Dichloroethene	156-60-5	96.90	0.400	1.59	ND	ND		2	WG863337
1,2-Dichloropropane	78-87-5	113	0.400	1.85	ND	ND		2	WG863337
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.82	ND	ND		2	WG863337
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.82	ND	ND		2	WG863337
1,4-Dioxane	123-91-1	88.10	0.400	1.44	ND	ND		2	WG863337
Ethanol	64-17-5	46.10	1.26	2.38	46.7	88.0		2	WG863337
Ethylbenzene	100-41-4	106	0.400	1.73	0.898	3.89		2	WG863337
4-Ethyltoluene	622-96-8	120	0.400	1.96	3.14	15.4		2	WG863337
Trichlorofluoromethane	75-69-4	137.40	0.400	2.25	ND	ND		2	WG863337
Dichlorodifluoromethane	75-71-8	120.92	0.400	1.98	0.462	2.29		2	WG863337
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.400	3.07	ND	ND		2	WG863337
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	ND	ND		2	WG863337
Heptane	142-82-5	100	0.400	1.64	0.580	2.37		2	WG863337
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.5	ND	ND		2	WG863337
n-Hexane	110-54-3	86.20	0.400	1.41	1.00	3.53		2	WG863337
Isopropylbenzene	98-82-8	120.20	0.400	1.97	ND	ND		2	WG863337
Methylene Chloride	75-09-2	84.90	0.400	1.39	ND	ND		2	WG863337
Methyl Butyl Ketone	591-78-6	100	2.50	10.2	ND	ND		2	WG863337
2-Butanone (MEK)	78-93-3	72.10	2.50	7.37	15.4	45.3		2	WG863337
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	2.50	10.2	ND	ND		2	WG863337
Methyl methacrylate	80-62-6	100.12	0.400	1.64	ND	ND		2	WG863337
MTBE	1634-04-4	88.10	0.400	1.44	1.58	5.70		2	WG863337
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG863337
2-Propanol	67-63-0	60.10	2.50	6.15	7.31	18.0		2	WG863337
Propene	115-07-1	42.10	0.800	1.38	38.3	66.0		2	WG863337
Styrene	100-42-5	104	0.400	1.70	0.892	3.79		2	WG863337
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.75	ND	ND		2	WG863337
Tetrachloroethylene	127-18-4	166	0.400	2.72	24.4	166		2	WG863337
Tetrahydrofuran	109-99-9	72.10	0.400	1.18	ND	ND		2	WG863337
Toluene	108-88-3	92.10	0.400	1.51	5.24	19.7		2	WG863337
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.33	ND	ND		2	WG863337

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	2.18	ND	ND		2	WG863337
1,1,2-Trichloroethane	79-00-5	133	0.400	2.18	ND	ND		2	WG863337
Trichloroethylene	79-01-6	131	4.00	21.4	106	570		20	WG863941
1,2,4-Trimethylbenzene	95-63-6	120	0.400	1.96	5.31	26.1		2	WG863337
1,3,5-Trimethylbenzene	108-67-8	120	0.400	1.96	3.01	14.8		2	WG863337
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.87	ND	ND		2	WG863337
Vinyl chloride	75-01-4	62.50	0.400	1.02	ND	ND		2	WG863337
Vinyl Bromide	593-60-2	106.95	0.400	1.75	ND	ND		2	WG863337
Vinyl acetate	108-05-4	86.10	0.400	1.41	ND	ND		2	WG863337
m&p-Xylene	1330-20-7	106	0.800	3.47	1.93	8.37		2	WG863337
o-Xylene	95-47-6	106	0.400	1.73	1.21	5.23		2	WG863337
TPH (GC/MS) Low Fraction	8006-61-9	101	100	413	609	2520		2	WG863337
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*101*				WG863337

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	2.50	5.94	67.4	160		2	WG863337
Allyl chloride	107-05-1	76.53	0.400	1.25	ND	ND		2	WG863337
Benzene	71-43-2	78.10	0.400	1.28	ND	ND		2	WG863337
Benzyl Chloride	100-44-7	127	0.400	2.08	ND	ND		2	WG863337
Bromodichloromethane	75-27-4	164	0.400	2.68	ND	ND		2	WG863337
Bromoform	75-25-2	253	1.20	12.4	ND	ND		2	WG863337
Bromomethane	74-83-9	94.90	0.400	1.55	ND	ND		2	WG863337
1,3-Butadiene	106-99-0	54.10	4.00	8.85	ND	ND		2	WG863337
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		2	WG863337
Carbon tetrachloride	56-23-5	154	0.400	2.52	ND	ND		2	WG863337
Chlorobenzene	108-90-7	113	0.400	1.85	ND	ND		2	WG863337
Chloroethane	75-00-3	64.50	0.400	1.06	ND	ND		2	WG863337
Chloroform	67-66-3	119	0.400	1.95	ND	ND		2	WG863337
Chloromethane	74-87-3	50.50	0.400	0.826	ND	ND		2	WG863337
2-Chlorotoluene	95-49-8	126	0.400	2.06	ND	ND		2	WG863337
Cyclohexane	110-82-7	84.20	0.400	1.38	0.760	2.62		2	WG863337
Dibromochloromethane	124-48-1	208	0.400	3.40	ND	ND		2	WG863337
1,2-Dibromoethane	106-93-4	188	0.400	3.08	ND	ND		2	WG863337
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	ND	ND		2	WG863337
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	ND	ND		2	WG863337
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	ND	ND		2	WG863337
1,2-Dichloroethane	107-06-2	99	0.400	1.62	ND	ND		2	WG863337
1,1-Dichloroethane	75-34-3	98	0.400	1.60	ND	ND		2	WG863337
1,1-Dichloroethene	75-35-4	96.90	0.400	1.59	ND	ND		2	WG863337
cis-1,2-Dichloroethene	156-59-2	96.90	0.400	1.59	ND	ND		2	WG863337
trans-1,2-Dichloroethene	156-60-5	96.90	0.400	1.59	ND	ND		2	WG863337
1,2-Dichloropropane	78-87-5	113	0.400	1.85	ND	ND		2	WG863337
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.82	ND	ND		2	WG863337
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.82	ND	ND		2	WG863337
1,4-Dioxane	123-91-1	88.10	0.400	1.44	ND	ND		2	WG863337
Ethanol	64-17-5	46.10	1.26	2.38	32.1	60.5		2	WG863337
Ethylbenzene	100-41-4	106	0.400	1.73	ND	ND		2	WG863337
4-Ethyltoluene	622-96-8	120	0.400	1.96	ND	ND		2	WG863337
Trichlorofluoromethane	75-69-4	137.40	0.400	2.25	ND	ND		2	WG863337
Dichlorodifluoromethane	75-71-8	120.92	0.400	1.98	0.432	2.14		2	WG863337
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.400	3.07	ND	ND		2	WG863337
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	ND	ND		2	WG863337
Heptane	142-82-5	100	0.400	1.64	ND	ND		2	WG863337
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.5	ND	ND		2	WG863337
n-Hexane	110-54-3	86.20	0.400	1.41	0.575	2.03		2	WG863337
Isopropylbenzene	98-82-8	120.20	0.400	1.97	ND	ND		2	WG863337
Methylene Chloride	75-09-2	84.90	0.400	1.39	ND	ND		2	WG863337
Methyl Butyl Ketone	591-78-6	100	2.50	10.2	6.15	25.2		2	WG863337
2-Butanone (MEK)	78-93-3	72.10	2.50	7.37	20.6	60.8		2	WG863337
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	2.50	10.2	3.23	13.2		2	WG863337
Methyl methacrylate	80-62-6	100.12	0.400	1.64	ND	ND		2	WG863337
MTBE	1634-04-4	88.10	0.400	1.44	ND	ND		2	WG863337
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG863337
2-Propanol	67-63-0	60.10	2.50	6.15	9.62	23.7		2	WG863337
Propene	115-07-1	42.10	0.800	1.38	ND	ND		2	WG863337
Styrene	100-42-5	104	0.400	1.70	ND	ND		2	WG863337
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.75	ND	ND		2	WG863337
Tetrachloroethylene	127-18-4	166	0.400	2.72	13.1	89.0		2	WG863337
Tetrahydrofuran	109-99-9	72.10	0.400	1.18	ND	ND		2	WG863337
Toluene	108-88-3	92.10	0.400	1.51	2.84	10.7		2	WG863337
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.33	ND	ND		2	WG863337

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	2.18	ND	ND		2	WG863337
1,1,2-Trichloroethane	79-00-5	133	0.400	2.18	ND	ND		2	WG863337
Trichloroethylene	79-01-6	131	0.400	2.14	7.20	38.6		2	WG863337
1,2,4-Trimethylbenzene	95-63-6	120	0.400	1.96	ND	ND		2	WG863337
1,3,5-Trimethylbenzene	108-67-8	120	0.400	1.96	ND	ND		2	WG863337
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.87	ND	ND		2	WG863337
Vinyl chloride	75-01-4	62.50	0.400	1.02	ND	ND		2	WG863337
Vinyl Bromide	593-60-2	106.95	0.400	1.75	ND	ND		2	WG863337
Vinyl acetate	108-05-4	86.10	0.400	1.41	ND	ND		2	WG863337
m&p-Xylene	1330-20-7	106	0.800	3.47	ND	ND		2	WG863337
o-Xylene	95-47-6	106	0.400	1.73	ND	ND		2	WG863337
TPH (GC/MS) Low Fraction	8006-61-9	101	100	413	135	557		2	WG863337
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*95.8*				WG863337

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	2.50	5.94	9.97	23.7		2	WG863337
Allyl chloride	107-05-1	76.53	0.400	1.25	ND	ND		2	WG863337
Benzene	71-43-2	78.10	0.400	1.28	0.567	1.81		2	WG863337
Benzyl Chloride	100-44-7	127	0.400	2.08	ND	ND		2	WG863337
Bromodichloromethane	75-27-4	164	0.400	2.68	ND	ND		2	WG863337
Bromoform	75-25-2	253	1.20	12.4	ND	ND		2	WG863337
Bromomethane	74-83-9	94.90	0.400	1.55	ND	ND		2	WG863337
1,3-Butadiene	106-99-0	54.10	4.00	8.85	ND	ND		2	WG863337
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		2	WG863337
Carbon tetrachloride	56-23-5	154	0.400	2.52	ND	ND		2	WG863337
Chlorobenzene	108-90-7	113	0.400	1.85	ND	ND		2	WG863337
Chloroethane	75-00-3	64.50	0.400	1.06	ND	ND		2	WG863337
Chloroform	67-66-3	119	0.400	1.95	ND	ND		2	WG863337
Chloromethane	74-87-3	50.50	0.400	0.826	ND	ND		2	WG863337
2-Chlorotoluene	95-49-8	126	0.400	2.06	ND	ND		2	WG863337
Cyclohexane	110-82-7	84.20	0.400	1.38	ND	ND		2	WG863337
Dibromochloromethane	124-48-1	208	0.400	3.40	ND	ND		2	WG863337
1,2-Dibromoethane	106-93-4	188	0.400	3.08	ND	ND		2	WG863337
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	ND	ND		2	WG863337
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	ND	ND		2	WG863337
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	ND	ND		2	WG863337
1,2-Dichloroethane	107-06-2	99	0.400	1.62	ND	ND		2	WG863337
1,1-Dichloroethane	75-34-3	98	0.400	1.60	ND	ND		2	WG863337
1,1-Dichloroethene	75-35-4	96.90	0.400	1.59	ND	ND		2	WG863337
cis-1,2-Dichloroethene	156-59-2	96.90	0.400	1.59	ND	ND		2	WG863337
trans-1,2-Dichloroethene	156-60-5	96.90	0.400	1.59	ND	ND		2	WG863337
1,2-Dichloropropane	78-87-5	113	0.400	1.85	ND	ND		2	WG863337
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.82	ND	ND		2	WG863337
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.82	ND	ND		2	WG863337
1,4-Dioxane	123-91-1	88.10	0.400	1.44	ND	ND		2	WG863337
Ethanol	64-17-5	46.10	1.26	2.38	32.9	61.9		2	WG863337
Ethylbenzene	100-41-4	106	0.400	1.73	ND	ND		2	WG863337
4-Ethyltoluene	622-96-8	120	0.400	1.96	ND	ND		2	WG863337
Trichlorofluoromethane	75-69-4	137.40	0.400	2.25	ND	ND		2	WG863337
Dichlorodifluoromethane	75-71-8	120.92	0.400	1.98	0.479	2.37		2	WG863337
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.400	3.07	ND	ND		2	WG863337
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	ND	ND		2	WG863337
Heptane	142-82-5	100	0.400	1.64	ND	ND		2	WG863337
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.5	ND	ND		2	WG863337
n-Hexane	110-54-3	86.20	0.400	1.41	7.68	27.1		2	WG863337
Isopropylbenzene	98-82-8	120.20	0.400	1.97	ND	ND		2	WG863337
Methylene Chloride	75-09-2	84.90	0.400	1.39	ND	ND		2	WG863337
Methyl Butyl Ketone	591-78-6	100	2.50	10.2	ND	ND		2	WG863337
2-Butanone (MEK)	78-93-3	72.10	2.50	7.37	3.97	11.7		2	WG863337
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	2.50	10.2	ND	ND		2	WG863337
Methyl methacrylate	80-62-6	100.12	0.400	1.64	ND	ND		2	WG863337
MTBE	1634-04-4	88.10	0.400	1.44	ND	ND		2	WG863337
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG863337
2-Propanol	67-63-0	60.10	2.50	6.15	14.3	35.3		2	WG863337
Propene	115-07-1	42.10	0.800	1.38	1.84	3.17		2	WG863337
Styrene	100-42-5	104	0.400	1.70	ND	ND		2	WG863337
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.75	ND	ND		2	WG863337
Tetrachloroethylene	127-18-4	166	0.400	2.72	2.32	15.8		2	WG863337
Tetrahydrofuran	109-99-9	72.10	0.400	1.18	ND	ND		2	WG863337
Toluene	108-88-3	92.10	0.400	1.51	0.461	1.74		2	WG863337
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.33	ND	ND		2	WG863337

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	2.18	ND	ND		2	WG863337
1,1,2-Trichloroethane	79-00-5	133	0.400	2.18	ND	ND		2	WG863337
Trichloroethylene	79-01-6	131	0.400	2.14	1.63	8.75		2	WG863337
1,2,4-Trimethylbenzene	95-63-6	120	0.400	1.96	ND	ND		2	WG863337
1,3,5-Trimethylbenzene	108-67-8	120	0.400	1.96	ND	ND		2	WG863337
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.87	ND	ND		2	WG863337
Vinyl chloride	75-01-4	62.50	0.400	1.02	ND	ND		2	WG863337
Vinyl Bromide	593-60-2	106.95	0.400	1.75	ND	ND		2	WG863337
Vinyl acetate	108-05-4	86.10	0.400	1.41	ND	ND		2	WG863337
m&p-Xylene	1330-20-7	106	0.800	3.47	ND	ND		2	WG863337
o-Xylene	95-47-6	106	0.400	1.73	ND	ND		2	WG863337
TPH (GC/MS) Low Fraction	8006-61-9	101	100	413	ND	ND		2	WG863337
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.3*				WG863337

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	2.50	5.94	31.7	75.4		2	WG863337
Allyl chloride	107-05-1	76.53	0.400	1.25	ND	ND		2	WG863337
Benzene	71-43-2	78.10	0.400	1.28	ND	ND		2	WG863337
Benzyl Chloride	100-44-7	127	0.400	2.08	ND	ND		2	WG863337
Bromodichloromethane	75-27-4	164	0.400	2.68	ND	ND		2	WG863337
Bromoform	75-25-2	253	1.20	12.4	ND	ND		2	WG863337
Bromomethane	74-83-9	94.90	0.400	1.55	ND	ND		2	WG863337
1,3-Butadiene	106-99-0	54.10	4.00	8.85	ND	ND		2	WG863337
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		2	WG863337
Carbon tetrachloride	56-23-5	154	0.400	2.52	ND	ND		2	WG863337
Chlorobenzene	108-90-7	113	0.400	1.85	ND	ND		2	WG863337
Chloroethane	75-00-3	64.50	0.400	1.06	ND	ND		2	WG863337
Chloroform	67-66-3	119	0.400	1.95	ND	ND		2	WG863337
Chloromethane	74-87-3	50.50	0.400	0.826	0.556	1.15		2	WG863337
2-Chlorotoluene	95-49-8	126	0.400	2.06	ND	ND		2	WG863337
Cyclohexane	110-82-7	84.20	0.400	1.38	ND	ND		2	WG863337
Dibromochloromethane	124-48-1	208	0.400	3.40	ND	ND		2	WG863337
1,2-Dibromoethane	106-93-4	188	0.400	3.08	ND	ND		2	WG863337
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	ND	ND		2	WG863337
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	ND	ND		2	WG863337
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	ND	ND		2	WG863337
1,2-Dichloroethane	107-06-2	99	0.400	1.62	ND	ND		2	WG863337
1,1-Dichloroethane	75-34-3	98	0.400	1.60	ND	ND		2	WG863337
1,1-Dichloroethene	75-35-4	96.90	0.400	1.59	ND	ND		2	WG863337
cis-1,2-Dichloroethene	156-59-2	96.90	0.400	1.59	ND	ND		2	WG863337
trans-1,2-Dichloroethene	156-60-5	96.90	0.400	1.59	ND	ND		2	WG863337
1,2-Dichloropropane	78-87-5	113	0.400	1.85	ND	ND		2	WG863337
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.82	ND	ND		2	WG863337
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.82	ND	ND		2	WG863337
1,4-Dioxane	123-91-1	88.10	0.400	1.44	ND	ND		2	WG863337
Ethanol	64-17-5	46.10	2520	4750	ND	ND	J3	4000	WG863941
Ethylbenzene	100-41-4	106	0.400	1.73	ND	ND		2	WG863337
4-Ethyltoluene	622-96-8	120	0.400	1.96	ND	ND		2	WG863337
Trichlorofluoromethane	75-69-4	137.40	0.400	2.25	ND	ND		2	WG863337
Dichlorodifluoromethane	75-71-8	120.92	0.400	1.98	0.449	2.22		2	WG863337
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.400	3.07	ND	ND		2	WG863337
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	ND	ND		2	WG863337
Heptane	142-82-5	100	0.400	1.64	ND	ND		2	WG863337
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.5	ND	ND		2	WG863337
n-Hexane	110-54-3	86.20	0.400	1.41	ND	ND		2	WG863337
Isopropylbenzene	98-82-8	120.20	0.400	1.97	ND	ND		2	WG863337
Methylene Chloride	75-09-2	84.90	0.400	1.39	ND	ND		2	WG863337
Methyl Butyl Ketone	591-78-6	100	2.50	10.2	ND	ND		2	WG863337
2-Butanone (MEK)	78-93-3	72.10	2.50	7.37	2.58	7.60		2	WG863337
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	2.50	10.2	ND	ND		2	WG863337
Methyl methacrylate	80-62-6	100.12	0.400	1.64	ND	ND		2	WG863337
MTBE	1634-04-4	88.10	0.400	1.44	ND	ND		2	WG863337
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG863337
2-Propanol	67-63-0	60.10	5000	12300	48000	118000		4000	WG863941
Propene	115-07-1	42.10	0.800	1.38	1.90	3.26		2	WG863337
Styrene	100-42-5	104	0.400	1.70	ND	ND		2	WG863337
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.75	ND	ND		2	WG863337
Tetrachloroethylene	127-18-4	166	0.400	2.72	ND	ND		2	WG863337
Tetrahydrofuran	109-99-9	72.10	0.400	1.18	ND	ND		2	WG863337
Toluene	108-88-3	92.10	0.400	1.51	0.724	2.73		2	WG863337
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.33	ND	ND		2	WG863337

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	2.18	ND	ND		2	WG863337
1,1,2-Trichloroethane	79-00-5	133	0.400	2.18	ND	ND		2	WG863337
Trichloroethylene	79-01-6	131	0.400	2.14	4.82	25.8		2	WG863337
1,2,4-Trimethylbenzene	95-63-6	120	0.400	1.96	ND	ND		2	WG863337
1,3,5-Trimethylbenzene	108-67-8	120	0.400	1.96	ND	ND		2	WG863337
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.87	ND	ND		2	WG863337
Vinyl chloride	75-01-4	62.50	0.400	1.02	ND	ND		2	WG863337
Vinyl Bromide	593-60-2	106.95	0.400	1.75	ND	ND		2	WG863337
Vinyl acetate	108-05-4	86.10	0.400	1.41	ND	ND		2	WG863337
m&p-Xylene	1330-20-7	106	0.800	3.47	ND	ND		2	WG863337
o-Xylene	95-47-6	106	0.400	1.73	ND	ND		2	WG863337
TPH (GC/MS) Low Fraction	8006-61-9	101	100	413	638	2640		2	WG863337
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.6*				WG863337

Method Blank (MB)

(MB) R3127904-3 04/09/16 11:53

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.0569	1.25
Allyl Chloride	U		0.0546	0.200
Benzene	U		0.0460	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0436	0.200
Bromoform	U		0.0786	0.600
Bromomethane	U		0.0609	0.200
1,3-Butadiene	U		0.0563	2.00
Carbon disulfide	U		0.0544	0.200
Carbon tetrachloride	U		0.0585	0.200
Chlorobenzene	U		0.0601	0.200
Chloroethane	U		0.0489	0.200
Chloroform	U		0.0574	0.200
Chloromethane	U		0.0544	0.200
2-Chlorotoluene	U		0.0605	0.200
Cyclohexane	U		0.0534	0.200
Dibromochloromethane	U		0.0494	0.200
1,2-Dibromoethane	U		0.0185	0.200
1,2-Dichlorobenzene	U		0.0603	0.200
1,3-Dichlorobenzene	U		0.0597	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0616	0.200
1,1-Dichloroethane	U		0.0514	0.200
1,1-Dichloroethene	U		0.0490	0.200
cis-1,2-Dichloroethene	U		0.0389	0.200
trans-1,2-Dichloroethene	U		0.0464	0.200
1,2-Dichloropropane	U		0.0599	0.200
cis-1,3-Dichloropropene	U		0.0588	0.200
trans-1,3-Dichloropropene	U		0.0435	0.200
1,4-Dioxane	U		0.0554	0.200
Ethylbenzene	U		0.0506	0.200
4-Ethyltoluene	U		0.0666	0.200
Trichlorofluoromethane	U		0.0673	0.200
Dichlorodifluoromethane	U		0.0601	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0687	0.200
1,2-Dichlorotetrafluoroethane	U		0.0458	0.200

Method Blank (MB)

(MB) R3127904-3 04/09/16 11:53

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Heptane	U		0.0626	0.200
Hexachloro-1,3-butadiene	U		0.0656	0.630
n-Hexane	U		0.0457	0.200
Isopropylbenzene	U		0.0563	0.200
Methylene Chloride	U		0.0465	0.200
Methyl Butyl Ketone	U		0.0682	1.25
2-Butanone (MEK)	U		0.0493	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0650	1.25
Methyl Methacrylate	U		0.0773	0.200
MTBE	U		0.0505	0.200
Naphthalene	U		0.154	0.630
2-Propanol	0.136		0.0882	1.25
Propene	U		0.0932	0.400
Styrene	U		0.0465	0.200
1,1,2,2-Tetrachloroethane	U		0.0576	0.200
Tetrachloroethylene	U		0.0497	0.200
Tetrahydrofuran	U		0.0508	0.200
Toluene	U		0.0499	0.200
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0665	0.200
1,1,2-Trichloroethane	U		0.0287	0.200
Trichloroethylene	U		0.0545	0.200
1,2,4-Trimethylbenzene	U		0.0483	0.200
1,3,5-Trimethylbenzene	U		0.0631	0.200
2,2,4-Trimethylpentane	U		0.0456	0.200
Vinyl chloride	U		0.0457	0.200
Vinyl Bromide	U		0.0727	0.200
Vinyl acetate	U		0.0639	0.200
m&p-Xylene	U		0.0946	0.400
o-Xylene	U		0.0633	0.200
Ethanol	U		0.0832	0.630
TPH (GC/MS) Low Fraction	U		6.91	50.0
(S) 1,4-Bromofluorobenzene	*97.5*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3127904-1 04/09/16 10:27 • (LCSD) R3127904-2 04/09/16 11:09

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethanol	3.75	3.63	3.59	96.7	95.7	34.3-167			1.06	25
Propene	3.75	3.84	3.85	102	103	53.9-143			0.320	25
Dichlorodifluoromethane	3.75	3.92	3.92	105	105	56.7-140			0.0500	25
1,2-Dichlorotetrafluoroethane	3.75	3.84	3.89	102	104	70.0-130			1.29	25
Chloromethane	3.75	3.71	3.79	99.0	101	70.0-130			2.03	25
Vinyl chloride	3.75	3.76	3.83	100	102	70.0-130			1.97	25
1,3-Butadiene	3.75	3.79	3.88	101	104	70.0-130			2.45	25
Bromomethane	3.75	3.95	4.03	105	107	70.0-130			1.98	25
Chloroethane	3.75	4.14	4.00	110	107	70.0-130			3.35	25
Trichlorofluoromethane	3.75	3.81	3.91	101	104	70.0-130			2.66	25
1,1,2-Trichlorotrifluoroethane	3.75	4.20	4.20	112	112	70.0-130			0.0500	25
1,1-Dichloroethene	3.75	3.96	4.04	106	108	70.0-130			2.09	25
1,1-Dichloroethane	3.75	3.97	4.00	106	107	70.0-130			0.690	25
Acetone	3.75	3.95	4.06	105	108	70.0-130			2.70	25
2-Propanol	3.75	4.07	4.19	109	112	50.4-152			2.75	25
Carbon disulfide	3.75	4.15	4.20	111	112	70.0-130			1.08	25
Methylene Chloride	3.75	3.64	3.68	97.1	98.2	70.0-130			1.17	25
MTBE	3.75	4.12	4.13	110	110	70.0-130			0.250	25
trans-1,2-Dichloroethene	3.75	4.00	4.02	107	107	70.0-130			0.530	25
n-Hexane	3.75	4.14	4.16	110	111	70.0-130			0.400	25
Vinyl acetate	3.75	4.15	4.18	111	111	70.0-130			0.590	25
Methyl Ethyl Ketone	3.75	4.14	4.14	110	110	70.0-130			0.0100	25
cis-1,2-Dichloroethene	3.75	4.01	4.02	107	107	70.0-130			0.230	25
Chloroform	3.75	4.00	4.02	107	107	70.0-130			0.530	25
Cyclohexane	3.75	4.23	4.24	113	113	70.0-130			0.320	25
1,1,1-Trichloroethane	3.75	4.01	4.03	107	108	70.0-130			0.420	25
Carbon tetrachloride	3.75	4.10	4.14	109	110	70.0-130			1.00	25
Benzene	3.75	4.22	4.17	113	111	70.0-130			1.15	25
1,2-Dichloroethane	3.75	3.76	3.82	100	102	70.0-130			1.53	25
Heptane	3.75	4.06	4.04	108	108	70.0-130			0.370	25
Trichloroethylene	3.75	4.13	4.14	110	110	70.0-130			0.230	25
1,2-Dichloropropane	3.75	4.08	4.06	109	108	70.0-130			0.310	25
1,4-Dioxane	3.75	4.28	4.25	114	113	48.0-156			0.560	25
Bromodichloromethane	3.75	4.04	4.06	108	108	70.0-130			0.450	25
cis-1,3-Dichloropropene	3.75	4.17	4.17	111	111	70.0-130			0.0400	25
4-Methyl-2-pentanone (MIBK)	3.75	4.02	4.02	107	107	55.3-154			0.0200	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3127904-1 04/09/16 10:27 • (LCSD) R3127904-2 04/09/16 11:09

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Toluene	3.75	4.24	4.22	113	113	70.0-130			0.460	25
trans-1,3-Dichloropropene	3.75	4.16	4.16	111	111	70.0-130			0.110	25
1,1,2-Trichloroethane	3.75	4.16	4.15	111	111	70.0-130			0.200	25
Tetrachloroethylene	3.75	4.30	4.27	115	114	70.0-130			0.780	25
Methyl Butyl Ketone	3.75	4.09	4.08	109	109	47.9-165			0.0800	25
Dibromochloromethane	3.75	4.27	4.24	114	113	70.0-130			0.700	25
1,2-Dibromoethane	3.75	4.26	4.24	113	113	70.0-130			0.260	25
Chlorobenzene	3.75	4.29	4.27	114	114	70.0-130			0.440	25
Ethylbenzene	3.75	4.23	4.27	113	114	70.0-130			0.900	25
m&p-Xylene	7.50	8.34	8.36	111	111	70.0-130			0.260	25
o-Xylene	3.75	4.22	4.23	113	113	70.0-130			0.0600	25
Styrene	3.75	4.42	4.40	118	117	70.0-130			0.260	25
Bromoform	3.75	4.36	4.36	116	116	70.0-130			0.0600	25
1,1,2,2-Tetrachloroethane	3.75	4.14	4.16	110	111	70.0-130			0.340	25
4-Ethyltoluene	3.75	4.29	4.29	114	114	70.0-130			0.0500	25
1,3,5-Trimethylbenzene	3.75	4.24	4.25	113	113	70.0-130			0.180	25
1,2,4-Trimethylbenzene	3.75	4.24	4.23	113	113	70.0-130			0.260	25
1,3-Dichlorobenzene	3.75	4.34	4.35	116	116	70.0-130			0.260	25
1,4-Dichlorobenzene	3.75	4.32	4.33	115	116	70.0-130			0.370	25
Benzyl Chloride	3.75	4.49	4.52	120	121	55.6-160			0.620	25
1,2-Dichlorobenzene	3.75	4.26	4.28	114	114	70.0-130			0.450	25
1,2,4-Trichlorobenzene	3.75	4.43	4.42	118	118	53.6-154			0.0400	25
Hexachloro-1,3-butadiene	3.75	4.11	4.12	110	110	62.1-143			0.0500	25
Naphthalene	3.75	4.41	4.45	118	119	52.0-158			0.820	25
TPH (GC/MS) Low Fraction	150	163	164	109	110	70.0-130			0.550	25
Allyl Chloride	3.75	4.01	4.03	107	108	70.0-130			0.540	25
2-Chlorotoluene	3.75	4.20	4.21	112	112	70.0-130			0.310	25
Methyl Methacrylate	3.75	3.72	3.73	99.3	99.5	70.0-130			0.150	25
Tetrahydrofuran	3.75	3.91	3.91	104	104	65.0-140			0.170	25
2,2,4-Trimethylpentane	3.75	4.19	4.21	112	112	70.0-130			0.510	25
Vinyl Bromide	3.75	3.89	4.03	104	108	70.0-130			3.64	25
Isopropylbenzene	3.75	4.29	4.30	114	115	70.0-130			0.130	25
(S) 1,4-Bromofluorobenzene				*96.8*	*96.9*	*60.0-140*				

Method Blank (MB)

(MB) R3128270-3 04/12/16 09:31

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.0569	1.25
Allyl Chloride	U		0.0546	0.200
Benzene	U		0.0460	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0436	0.200
Bromoform	U		0.0786	0.600
Bromomethane	U		0.0609	0.200
1,3-Butadiene	U		0.0563	2.00
Carbon disulfide	U		0.0544	0.200
Carbon tetrachloride	U		0.0585	0.200
Chlorobenzene	U		0.0601	0.200
Chloroethane	U		0.0489	0.200
Chloroform	U		0.0574	0.200
Chloromethane	U		0.0544	0.200
2-Chlorotoluene	U		0.0605	0.200
Cyclohexane	U		0.0534	0.200
Dibromochloromethane	U		0.0494	0.200
1,2-Dibromoethane	U		0.0185	0.200
1,2-Dichlorobenzene	U		0.0603	0.200
1,3-Dichlorobenzene	U		0.0597	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0616	0.200
1,1-Dichloroethane	U		0.0514	0.200
1,1-Dichloroethene	U		0.0490	0.200
cis-1,2-Dichloroethene	U		0.0389	0.200
trans-1,2-Dichloroethene	U		0.0464	0.200
1,2-Dichloropropane	U		0.0599	0.200
cis-1,3-Dichloropropene	U		0.0588	0.200
trans-1,3-Dichloropropene	U		0.0435	0.200
1,4-Dioxane	U		0.0554	0.200
Ethylbenzene	U		0.0506	0.200
4-Ethyltoluene	U		0.0666	0.200
Trichlorofluoromethane	U		0.0673	0.200
Dichlorodifluoromethane	U		0.0601	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0687	0.200
1,2-Dichlorotetrafluoroethane	U		0.0458	0.200

Method Blank (MB)

(MB) R3128270-3 04/12/16 09:31

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Heptane	U		0.0626	0.200
Hexachloro-1,3-butadiene	U		0.0656	0.630
n-Hexane	U		0.0457	0.200
Isopropylbenzene	U		0.0563	0.200
Methylene Chloride	U		0.0465	0.200
Methyl Butyl Ketone	U		0.0682	1.25
2-Butanone (MEK)	U		0.0493	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0650	1.25
Methyl Methacrylate	U		0.0773	0.200
MTBE	U		0.0505	0.200
Naphthalene	U		0.154	0.630
2-Propanol	0.143		0.0882	1.25
Propene	U		0.0932	0.400
Styrene	U		0.0465	0.200
1,1,2,2-Tetrachloroethane	U		0.0576	0.200
Tetrachloroethylene	U		0.0497	0.200
Tetrahydrofuran	U		0.0508	0.200
Toluene	U		0.0499	0.200
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0665	0.200
1,1,2-Trichloroethane	U		0.0287	0.200
Trichloroethylene	U		0.0545	0.200
1,2,4-Trimethylbenzene	U		0.0483	0.200
1,3,5-Trimethylbenzene	U		0.0631	0.200
2,2,4-Trimethylpentane	U		0.0456	0.200
Vinyl chloride	U		0.0457	0.200
Vinyl Bromide	U		0.0727	0.200
Vinyl acetate	U		0.0639	0.200
m&p-Xylene	U		0.0946	0.400
o-Xylene	U		0.0633	0.200
Ethanol	U		0.0832	0.630
TPH (GC/MS) Low Fraction	U		6.91	50.0
(S) 1,4-Bromofluorobenzene	*96.2*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3128270-1 04/12/16 08:05 • (LCSD) R3128270-2 04/12/16 08:47

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethanol	3.75	3.42	3.53	91.1	94.2	34.3-167			3.39	25
Propene	3.75	3.81	3.94	101	105	53.9-143			3.38	25
Dichlorodifluoromethane	3.75	3.96	3.92	106	104	56.7-140			1.12	25
1,2-Dichlorotetrafluoroethane	3.75	3.97	4.11	106	110	70.0-130			3.57	25
Chloromethane	3.75	3.90	3.97	104	106	70.0-130			1.66	25
Vinyl chloride	3.75	3.96	4.08	106	109	70.0-130			2.97	25
1,3-Butadiene	3.75	3.83	3.85	102	103	70.0-130			0.590	25
Bromomethane	3.75	4.23	4.40	113	117	70.0-130			4.04	25
Chloroethane	3.75	4.15	4.02	111	107	70.0-130			3.11	25
Trichlorofluoromethane	3.75	4.02	4.05	107	108	70.0-130			0.700	25
1,1,2-Trichlorotrifluoroethane	3.75	4.30	4.39	115	117	70.0-130			2.09	25
1,1-Dichloroethene	3.75	3.93	4.03	105	108	70.0-130			2.58	25
1,1-Dichloroethane	3.75	3.97	4.08	106	109	70.0-130			2.76	25
Acetone	3.75	3.85	4.00	103	107	70.0-130			3.74	25
2-Propanol	3.75	3.91	4.02	104	107	50.4-152			2.79	25
Carbon disulfide	3.75	4.18	4.29	111	114	70.0-130			2.68	25
Methylene Chloride	3.75	3.64	3.71	97.2	99.0	70.0-130			1.86	25
MTBE	3.75	4.09	4.21	109	112	70.0-130			2.74	25
trans-1,2-Dichloroethene	3.75	4.00	4.09	107	109	70.0-130			2.14	25
n-Hexane	3.75	4.13	4.21	110	112	70.0-130			1.78	25
Vinyl acetate	3.75	4.09	4.21	109	112	70.0-130			2.90	25
Methyl Ethyl Ketone	3.75	4.19	4.25	112	113	70.0-130			1.34	25
cis-1,2-Dichloroethene	3.75	3.97	4.11	106	110	70.0-130			3.56	25
Chloroform	3.75	3.99	4.11	106	110	70.0-130			2.97	25
Cyclohexane	3.75	4.26	4.31	114	115	70.0-130			1.27	25
1,1,1-Trichloroethane	3.75	4.03	4.14	108	110	70.0-130			2.67	25
Carbon tetrachloride	3.75	4.15	4.24	111	113	70.0-130			2.25	25
Benzene	3.75	4.26	4.32	113	115	70.0-130			1.55	25
1,2-Dichloroethane	3.75	3.79	3.92	101	105	70.0-130			3.40	25
Heptane	3.75	3.99	4.08	106	109	70.0-130			2.40	25
Trichloroethylene	3.75	4.20	4.30	112	115	70.0-130			2.32	25
1,2-Dichloropropane	3.75	4.10	4.19	109	112	70.0-130			2.13	25
1,4-Dioxane	3.75	4.42	4.52	118	121	48.0-156			2.38	25
Bromodichloromethane	3.75	4.08	4.18	109	111	70.0-130			2.44	25
cis-1,3-Dichloropropene	3.75	4.18	4.29	112	115	70.0-130			2.64	25
4-Methyl-2-pentanone (MIBK)	3.75	4.01	4.10	107	109	55.3-154			2.06	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3128270-1 04/12/16 08:05 • (LCSD) R3128270-2 04/12/16 08:47

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Toluene	3.75	4.30	4.38	115	117	70.0-130			1.81	25
trans-1,3-Dichloropropene	3.75	4.15	4.26	111	114	70.0-130			2.64	25
1,1,2-Trichloroethane	3.75	4.24	4.28	113	114	70.0-130			0.850	25
Tetrachloroethylene	3.75	4.39	4.45	117	119	70.0-130			1.31	25
Methyl Butyl Ketone	3.75	4.11	4.20	109	112	47.9-165			2.38	25
Dibromochloromethane	3.75	4.32	4.41	115	118	70.0-130			2.01	25
1,2-Dibromoethane	3.75	4.32	4.39	115	117	70.0-130			1.65	25
Chlorobenzene	3.75	4.37	4.44	117	118	70.0-130			1.46	25
Ethylbenzene	3.75	4.29	4.38	114	117	70.0-130			2.02	25
m&p-Xylene	7.50	8.43	8.63	112	115	70.0-130			2.31	25
o-Xylene	3.75	4.27	4.37	114	117	70.0-130			2.48	25
Styrene	3.75	4.48	4.57	119	122	70.0-130			2.09	25
Bromoform	3.75	4.45	4.52	119	121	70.0-130			1.63	25
1,1,2,2-Tetrachloroethane	3.75	4.23	4.30	113	115	70.0-130			1.60	25
4-Ethyltoluene	3.75	4.36	4.44	116	119	70.0-130			1.80	25
1,3,5-Trimethylbenzene	3.75	3.01	4.39	80.2	117	70.0-130		J3	37.3	25
1,2,4-Trimethylbenzene	3.75	4.31	4.42	115	118	70.0-130			2.40	25
1,3-Dichlorobenzene	3.75	4.44	4.52	118	120	70.0-130			1.79	25
1,4-Dichlorobenzene	3.75	4.44	4.51	119	120	70.0-130			1.44	25
Benzyl Chloride	3.75	4.54	4.62	121	123	55.6-160			1.73	25
1,2-Dichlorobenzene	3.75	4.37	4.46	117	119	70.0-130			1.87	25
1,2,4-Trichlorobenzene	3.75	4.59	4.68	122	125	53.6-154			1.93	25
Hexachloro-1,3-butadiene	3.75	4.26	4.35	114	116	62.1-143			2.03	25
Naphthalene	3.75	4.56	4.67	122	125	52.0-158			2.42	25
TPH (GC/MS) Low Fraction	150	164	168	110	112	70.0-130			2.27	25
Allyl Chloride	3.75	3.94	4.02	105	107	70.0-130			2.07	25
2-Chlorotoluene	3.75	4.24	4.34	113	116	70.0-130			2.44	25
Methyl Methacrylate	3.75	3.69	3.76	98.5	100	70.0-130			1.85	25
Tetrahydrofuran	3.75	3.87	3.95	103	105	65.0-140			2.09	25
2,2,4-Trimethylpentane	3.75	4.16	4.27	111	114	70.0-130			2.57	25
Vinyl Bromide	3.75	4.28	4.34	114	116	70.0-130			1.54	25
Isopropylbenzene	3.75	4.36	4.43	116	118	70.0-130			1.74	25
(S) 1,4-Bromofluorobenzene				*96.0*	*95.9*	*60.0-140*				

Method Blank (MB)

(MB) R3128626-2 04/12/16 09:38

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
2-Propanol	U		0.0882	1.25
Trichloroethylene	U		0.0545	0.200
Ethanol	U		0.0832	0.630
TPH (GC/MS) Low Fraction	U		6.91	50.0

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3128626-1 04/12/16 08:52 • (LCSD) R3128626-3 04/12/16 10:47

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethanol	3.75	4.93	3.76	131	100	34.3-167		J3	26.9	25
2-Propanol	3.75	4.64	4.91	124	131	50.4-152			5.65	25
Trichloroethylene	3.75	4.04	4.21	108	112	70.0-130			4.11	25
TPH (GC/MS) Low Fraction	150	168	178	112	118	70.0-130			5.37	25

Method Blank (MB)

(MB) R3128985-3 04/14/16 02:49

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Trichloroethylene	U		0.0545	0.200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3128985-1 04/14/16 01:17 • (LCSD) R3128985-2 04/14/16 02:02

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Trichloroethylene	3.75	4.33	4.45	116	119	70.0-130			2.67	25

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
J3	The associated batch QC was outside the established quality control range for precision.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

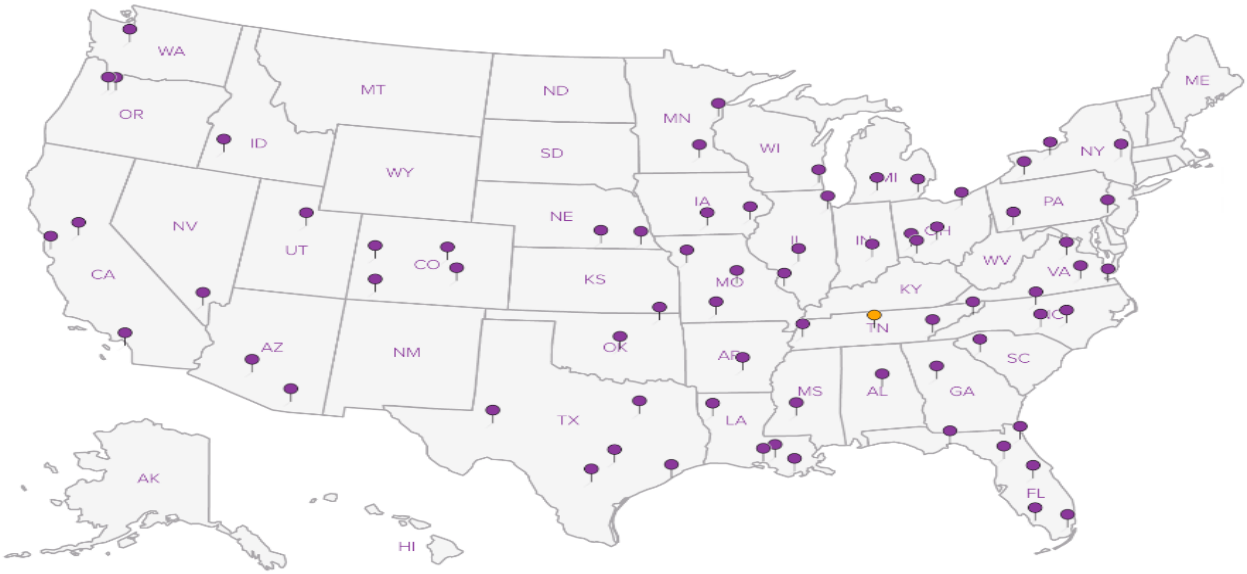
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



GeoDesign Inc.
15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Billing Information:
Accounts Payable
15575 SW Sequoia Pkwy. Ste 100
Portland, OR 97224

Report to: **Eric Hedberg**
Email To: **ehedberg@geodesigninc.com; kcline@geodesigninc.com**

Project Description: **Capstone-12-03**
City/State Collected:

Phone: **503-968-8787**
Fax:
Client Project # CAPSTONE-12-03
Lab Project # **GEODESPOR-CAPSTONE**

Collected by (print): KEVIN CLINE
Site/Facility ID #
P.O. #

Collected by (signature):
Immediately Packed on Ice N X Y ___

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed
Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15 Summa	Rem./Contaminant	Sample # (lab only)
SV-1		Air	0.5	3.6.16	0904	1	X		-01
SV-2		Air			0918	1	X		02
SV-A3 DE		Air			0928	1	X		03
SV-B4 DE		Air			1045	1	X		04
SV-B5 DE		Air			1057	1	X		05
SV-A6 DE		Air			1127	1	X		06
SV-7 DE		Air			1135	1	X		07
		Air				1	X		
		Air				1	X		

Chain of Custody Page ___ of ___

ESC LABORATORY SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L928213
KO13
Acctnum: GEODESPOR
Template: T111179
Prelogin: P549033
TSR: 358 - Jarred Willis
PB: 4-1-16 MAB
Shipped Via: FedEX 2nd Day

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:(9) 1L summa cans and (9) soil vapor sampling manifolds

6711 0334 9320
6711 0334 9309
6711 0334 9610

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	3.6.16	1445	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____
Temp: AMB °C Bottles Received: 7+9ST
Date: 4/7/16 Time: 0900

Condition: (lab use only) TD
COC Seal Intact: ___Y ___N ✓NA
pH Checked: NCF: ✓

ESC Lab Sciences
Non-Conformance Form

Login #: L828213	Client: GEODESPOR	Date: 4/7/16	Evaluated by: Jeremy

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time	x	Login Clarification Needed		**If Broken Container:**
	Improper temperature		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	Improper preservation		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Courie
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments: Date on COC/containers has 3/06/16 as the collect date. Is this correct?

Client informed by:		Call		Email		Voice Mail		Date: 4/7/16	Time:
TSR Initials: JW	Client Contact:								

Login Instructions: **Samples were collected on 4/6/16.**

This E-mail and any attached files are confidential, and may be copyright protected. If you are not the addressee, any dissemination of this communication is strictly prohibited. If you have received this message in error, please contact the sender immediately and delete/destroy all information received.

ANALYTICAL REPORT

April 25, 2016

GeoDesign Inc.

Sample Delivery Group:	L830143
Samples Received:	04/16/2016
Project Number:	
Description:	Capstone-12-03

Report To: Erik Hedberg
15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Entire Report Reviewed By:

Jarred Willis
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 8

[5]Sr: Sample Results 9

DP-5 L830143-01 9

DP-9 L830143-02 11

DP-10 L830143-03 13

DP-13 L830143-04 15

DP-14 L830143-05 17

DP-17 L830143-06 19

DP-1(15.5-16.5) L830143-07 21

DP-2 14.5-12.5) L830143-08 24

DP-3(11.5-12.5) L830143-09 27

DP-4(11.5-12.5) L830143-10 30

DP-5(15.5-16.5) L830143-11 33

DP-6(11.0-12.0) L830143-12 36

DP-7(10.0-11.0) L830143-13 39

DP-8(5.0-6.0) L830143-14 42

DP-9(11.0-12.0) L830143-15 45

DP-10(12.0-13.0) L830143-16 48

DP-11(11.0-12.0) L830143-17 51

DP-12(1.5-2.5) L830143-18 54

DP-13(1.0-2.0) L830143-19 57

DP-14(10.0-11.0) L830143-20 60

DP-15(15.0-16.0) L830143-21 63

DP-16(8.0-9.0) L830143-22 66

DP-17(7.0-8.0) L830143-23 69

DP-18(8.0-8.5) L830143-24 72

TRIP BLANK L830143-25 75

DP-1 L830143-26 77

[6]Qc: Quality Control Summary 79

Total Solids by Method 2540 G-2011 79

Volatile Organic Compounds (GC) by Method NWTPHGX 81

Volatile Organic Compounds (GC/MS) by Method 8260B 86

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX 117

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM 119

[7]Gl: Glossary of Terms 122

[8]Al: Accreditations & Locations 123

[9]Sc: Chain of Custody 124

DP-5 L830143-01 GW

Collected by | Collected date/time 04/14/16 12:00 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG866718	1	04/21/16 21:00	04/22/16 12:56	TRF
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865737	1	04/19/16 01:12	04/19/16 01:12	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865516	1	04/21/16 10:29	04/21/16 10:29	DWR

DP-9 L830143-02 GW

Collected by | Collected date/time 04/14/16 14:45 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG866718	1	04/21/16 21:00	04/22/16 13:13	TRF
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865737	1	04/19/16 01:35	04/19/16 01:35	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865516	1	04/21/16 11:42	04/21/16 11:42	DWR

DP-10 L830143-03 GW

Collected by | Collected date/time 04/15/16 08:10 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG866718	1	04/21/16 21:00	04/22/16 13:29	TRF
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865737	1	04/19/16 02:45	04/19/16 02:45	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865516	1	04/21/16 12:06	04/21/16 12:06	DWR

DP-13 L830143-04 GW

Collected by | Collected date/time 04/15/16 09:05 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG866718	1	04/21/16 21:00	04/22/16 13:45	TRF
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865737	1	04/19/16 03:08	04/19/16 03:08	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865516	1	04/21/16 12:30	04/21/16 12:30	DWR

DP-14 L830143-05 GW

Collected by | Collected date/time 04/15/16 10:50 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG866718	1	04/21/16 21:00	04/22/16 14:01	TRF
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865737	1	04/19/16 03:31	04/19/16 03:31	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865516	1	04/21/16 12:54	04/21/16 12:54	DWR

DP-17 L830143-06 GW

Collected by | Collected date/time 04/15/16 13:45 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG866718	1	04/21/16 21:00	04/22/16 14:17	TRF
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865737	1	04/19/16 03:54	04/19/16 03:54	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865516	1	04/21/16 13:19	04/21/16 13:19	DWR

DP-1(15.5-16.5) L830143-07 Solid

Collected by | Collected date/time 04/14/16 07:55 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	1	04/21/16 18:22	04/22/16 05:36	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/22/16 23:37	DMG
Total Solids by Method 2540 G-2011	WG865850	1	04/19/16 11:11	04/19/16 11:20	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865875	1.6	04/20/16 23:06	04/21/16 16:57	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865484	1	04/21/16 18:06	04/22/16 04:50	JHH

DP-2 14.5-12.5) L830143-08 Solid

Collected by | Collected date/time 04/14/16 09:25 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	1	04/21/16 18:22	04/22/16 05:56	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/22/16 23:50	DMG
Total Solids by Method 2540 G-2011	WG865850	1	04/19/16 11:11	04/19/16 11:20	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865875	1	04/20/16 23:06	04/21/16 17:19	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865484	1	04/21/16 18:06	04/22/16 05:09	JHH

DP-3(11.5-12.5) L830143-09 Solid

Collected by | Collected date/time 04/14/16 10:05 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	1	04/21/16 18:22	04/22/16 06:17	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/22/16 20:01	DMG
Total Solids by Method 2540 G-2011	WG865850	1	04/19/16 11:11	04/19/16 11:20	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865875	1	04/20/16 23:06	04/21/16 17:41	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865485	1	04/20/16 16:00	04/21/16 11:20	BMB

DP-4(11.5-12.5) L830143-10 Solid

Collected by | Collected date/time 04/14/16 10:50 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	1	04/21/16 18:22	04/22/16 06:38	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/22/16 20:13	DMG
Total Solids by Method 2540 G-2011	WG865850	1	04/19/16 11:11	04/19/16 11:20	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865875	1	04/20/16 23:06	04/21/16 18:04	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865485	1	04/20/16 16:00	04/21/16 11:39	BMB

DP-5(15.5-16.5) L830143-11 Solid

Collected by | Collected date/time 04/14/16 11:25 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	1	04/21/16 18:22	04/22/16 06:59	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/22/16 20:26	DMG
Total Solids by Method 2540 G-2011	WG865850	1	04/19/16 11:11	04/19/16 11:20	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865875	1.09	04/20/16 23:06	04/21/16 18:26	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865485	1	04/20/16 16:00	04/21/16 11:58	BMB

DP-6(11.0-12.0) L830143-12 Solid

Collected by | Collected date/time 04/14/16 13:15 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	1	04/21/16 18:22	04/22/16 07:19	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/22/16 20:40	DMG
Total Solids by Method 2540 G-2011	WG865850	1	04/19/16 11:11	04/19/16 11:20	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865875	1	04/20/16 23:06	04/21/16 18:48	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865485	1	04/20/16 16:00	04/21/16 12:17	BMB

DP-7(10.0-11.0) L830143-13 Solid

Collected by | Collected date/time 04/14/16 13:45 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	1	04/21/16 18:22	04/22/16 07:40	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/22/16 20:52	DMG
Total Solids by Method 2540 G-2011	WG865850	1	04/19/16 11:11	04/19/16 11:20	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865875	1	04/20/16 23:06	04/21/16 19:10	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865485	1	04/20/16 16:00	04/21/16 12:37	BMB

DP-8(5.0-6.0) L830143-14 Solid

Collected by | Collected date/time 04/14/16 14:10 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	2	04/21/16 18:22	04/22/16 11:49	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/23/16 00:51	DMG
Total Solids by Method 2540 G-2011	WG865850	1	04/19/16 11:11	04/19/16 11:20	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865875	1	04/20/16 23:06	04/21/16 19:32	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865485	1	04/20/16 16:00	04/21/16 12:56	BMB

DP-9(11.0-12.0) L830143-15 Solid

Collected by | Collected date/time 04/14/16 14:35 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	1	04/21/16 18:22	04/22/16 08:01	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/22/16 21:04	DMG
Total Solids by Method 2540 G-2011	WG865850	1	04/19/16 11:11	04/19/16 11:20	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865875	1	04/20/16 23:06	04/21/16 19:54	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865485	1	04/20/16 16:00	04/21/16 13:15	BMB

DP-10(12.0-13.0) L830143-16 Solid

Collected by | Collected date/time 04/15/16 07:55 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	1	04/21/16 18:22	04/22/16 08:22	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/22/16 21:16	DMG
Total Solids by Method 2540 G-2011	WG865850	1	04/19/16 11:11	04/19/16 11:20	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865875	1	04/20/16 23:06	04/21/16 20:16	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865485	1	04/20/16 16:00	04/21/16 13:34	BMB

DP-11(11.0-12.0) L830143-17 Solid

Collected by | Collected date/time 04/15/16 08:40 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	1	04/21/16 18:22	04/22/16 13:12	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/22/16 21:30	DMG
Total Solids by Method 2540 G-2011	WG865851	1	04/19/16 10:57	04/19/16 11:08	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865875	1	04/20/16 23:06	04/21/16 20:39	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865485	1.01	04/20/16 16:00	04/21/16 13:54	BMB

DP-12(1.5-2.5) L830143-18 Solid

Collected by | Collected date/time 04/15/16 09:00 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	1	04/21/16 18:22	04/22/16 11:28	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/23/16 00:02	DMG
Total Solids by Method 2540 G-2011	WG865851	1	04/19/16 10:57	04/19/16 11:08	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865875	1.21	04/20/16 23:06	04/21/16 21:01	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865485	1.1	04/20/16 16:00	04/21/16 14:13	BMB

DP-13(1.0-2.0) L830143-19 Solid

Collected by | Collected date/time 04/15/16 09:30 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	2	04/21/16 18:22	04/22/16 12:10	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/23/16 00:14	DMG
Total Solids by Method 2540 G-2011	WG865851	1	04/19/16 10:57	04/19/16 11:08	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865875	1.27	04/20/16 23:06	04/21/16 21:23	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865486	1.1	04/21/16 14:29	04/21/16 16:51	DAH

DP-14(10.0-11.0) L830143-20 Solid

Collected by | Collected date/time 04/15/16 10:25 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	10	04/21/16 18:22	04/22/16 12:51	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	10	04/22/16 10:57	04/23/16 01:16	DMG
Total Solids by Method 2540 G-2011	WG865851	1	04/19/16 10:57	04/19/16 11:08	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG866938	48.5	04/22/16 16:45	04/22/16 23:33	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865486	1	04/21/16 14:29	04/21/16 17:13	DAH

DP-15(15.0-16.0) L830143-21 Solid

Collected by | Collected date/time 04/15/16 11:35 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	5	04/21/16 18:22	04/22/16 12:30	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/23/16 01:03	DMG
Total Solids by Method 2540 G-2011	WG865851	1	04/19/16 10:57	04/19/16 11:08	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG867109	25	04/23/16 19:57	04/24/16 03:12	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865486	1.23	04/21/16 14:29	04/21/16 17:36	DAH

DP-16(8.0-9.0) L830143-22 Solid

Collected by | Collected date/time 04/15/16 12:55 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	1	04/21/16 18:22	04/22/16 14:14	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/22/16 21:42	DMG
Total Solids by Method 2540 G-2011	WG865851	1	04/19/16 10:57	04/19/16 11:08	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG866019	1	04/19/16 17:05	04/20/16 01:22	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865486	1	04/21/16 14:29	04/21/16 17:59	DAH

DP-17(7.0-8.0) L830143-23 Solid

Collected by | Collected date/time 04/15/16 13:15 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	1	04/21/16 18:22	04/22/16 14:35	KMP
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	20	04/21/16 18:22	04/25/16 07:06	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/22/16 23:10	DMG
Total Solids by Method 2540 G-2011	WG865851	1	04/19/16 10:57	04/19/16 11:08	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG866019	400	04/19/16 17:05	04/20/16 04:18	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865486	400	04/21/16 14:29	04/21/16 18:21	DAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG866877	4000	04/22/16 15:39	04/23/16 02:43	BMB

DP-18(8.0-8.5) L830143-24 Solid

Collected by | Collected date/time 04/15/16 14:20 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG865993	1	04/21/16 18:22	04/22/16 10:26	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG865432	1	04/22/16 10:57	04/22/16 23:23	DMG
Total Solids by Method 2540 G-2011	WG865851	1	04/19/16 10:57	04/19/16 11:08	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG866019	1	04/19/16 17:05	04/20/16 09:48	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865486	1	04/21/16 14:29	04/21/16 18:44	DAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG866877	20	04/22/16 15:39	04/23/16 03:06	BMB

TRIP BLANK L830143-25 GW

Collected by | Collected date/time 04/14/16 00:00 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865516	1	04/21/16 07:22	04/21/16 07:22	DWR

DP-1 L830143-26 GW

Collected by | Collected date/time 04/14/16 07:35 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG866718	1	04/21/16 21:00	04/22/16 14:33	TRF
Volatile Organic Compounds (GC) by Method NWTPHGX	WG865737	1	04/19/16 04:16	04/19/16 04:16	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG865995	1	04/20/16 09:12	04/20/16 09:12	JHH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jarred Willis
Technical Service Representative

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Gasoline Range Organics-NWTPH	ND		100	1	04/19/2016 01:12	WG865737
(S) a,a,a-Trifluorotoluene(FID)	*99.6*		*62.0-128*		*04/19/2016 01:12*	WG865737

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	04/21/2016 10:29	WG865516
Acrolein	ND		50.0	1	04/21/2016 10:29	WG865516
Acrylonitrile	ND		10.0	1	04/21/2016 10:29	WG865516
Benzene	ND		1.00	1	04/21/2016 10:29	WG865516
Bromobenzene	ND		1.00	1	04/21/2016 10:29	WG865516
Bromodichloromethane	ND		1.00	1	04/21/2016 10:29	WG865516
Bromoform	ND		1.00	1	04/21/2016 10:29	WG865516
Bromomethane	ND		5.00	1	04/21/2016 10:29	WG865516
n-Butylbenzene	ND		1.00	1	04/21/2016 10:29	WG865516
sec-Butylbenzene	ND		1.00	1	04/21/2016 10:29	WG865516
tert-Butylbenzene	ND		1.00	1	04/21/2016 10:29	WG865516
Carbon tetrachloride	ND		1.00	1	04/21/2016 10:29	WG865516
Chlorobenzene	ND		1.00	1	04/21/2016 10:29	WG865516
Chlorodibromomethane	ND		1.00	1	04/21/2016 10:29	WG865516
Chloroethane	ND		5.00	1	04/21/2016 10:29	WG865516
2-Chloroethyl vinyl ether	ND		50.0	1	04/21/2016 10:29	WG865516
Chloroform	ND		5.00	1	04/21/2016 10:29	WG865516
Chloromethane	ND		2.50	1	04/21/2016 10:29	WG865516
2-Chlorotoluene	ND		1.00	1	04/21/2016 10:29	WG865516
4-Chlorotoluene	ND		1.00	1	04/21/2016 10:29	WG865516
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/21/2016 10:29	WG865516
1,2-Dibromoethane	ND		1.00	1	04/21/2016 10:29	WG865516
Dibromomethane	ND		1.00	1	04/21/2016 10:29	WG865516
1,2-Dichlorobenzene	ND		1.00	1	04/21/2016 10:29	WG865516
1,3-Dichlorobenzene	ND		1.00	1	04/21/2016 10:29	WG865516
1,4-Dichlorobenzene	ND		1.00	1	04/21/2016 10:29	WG865516
Dichlorodifluoromethane	ND		5.00	1	04/21/2016 10:29	WG865516
1,1-Dichloroethane	ND		1.00	1	04/21/2016 10:29	WG865516
1,2-Dichloroethane	ND		1.00	1	04/21/2016 10:29	WG865516
1,1-Dichloroethene	ND		1.00	1	04/21/2016 10:29	WG865516
cis-1,2-Dichloroethene	1.44		1.00	1	04/21/2016 10:29	WG865516
trans-1,2-Dichloroethene	ND		1.00	1	04/21/2016 10:29	WG865516
1,2-Dichloropropane	ND		1.00	1	04/21/2016 10:29	WG865516
1,1-Dichloropropene	ND		1.00	1	04/21/2016 10:29	WG865516
1,3-Dichloropropane	ND		1.00	1	04/21/2016 10:29	WG865516
cis-1,3-Dichloropropene	ND		1.00	1	04/21/2016 10:29	WG865516
trans-1,3-Dichloropropene	ND		1.00	1	04/21/2016 10:29	WG865516
2,2-Dichloropropane	ND		1.00	1	04/21/2016 10:29	WG865516
Di-isopropyl ether	ND		1.00	1	04/21/2016 10:29	WG865516
Ethylbenzene	ND		1.00	1	04/21/2016 10:29	WG865516
Hexachloro-1,3-butadiene	ND		1.00	1	04/21/2016 10:29	WG865516
Isopropylbenzene	ND		1.00	1	04/21/2016 10:29	WG865516
p-Isopropyltoluene	ND		1.00	1	04/21/2016 10:29	WG865516
2-Butanone (MEK)	ND		10.0	1	04/21/2016 10:29	WG865516
Methylene Chloride	ND		5.00	1	04/21/2016 10:29	WG865516
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/21/2016 10:29	WG865516
Methyl tert-butyl ether	ND		1.00	1	04/21/2016 10:29	WG865516
Naphthalene	ND		5.00	1	04/21/2016 10:29	WG865516
n-Propylbenzene	ND		1.00	1	04/21/2016 10:29	WG865516

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Styrene	ND		1.00	1	04/21/2016 10:29	WG865516
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/21/2016 10:29	WG865516
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/21/2016 10:29	WG865516
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/21/2016 10:29	WG865516
Tetrachloroethene	ND		1.00	1	04/21/2016 10:29	WG865516
Toluene	ND		5.00	1	04/21/2016 10:29	WG865516
1,2,3-Trichlorobenzene	ND		1.00	1	04/21/2016 10:29	WG865516
1,2,4-Trichlorobenzene	ND		1.00	1	04/21/2016 10:29	WG865516
1,1,1-Trichloroethane	ND		1.00	1	04/21/2016 10:29	WG865516
1,1,2-Trichloroethane	ND		1.00	1	04/21/2016 10:29	WG865516
Trichloroethene	ND		1.00	1	04/21/2016 10:29	WG865516
Trichlorofluoromethane	ND		5.00	1	04/21/2016 10:29	WG865516
1,2,3-Trichloropropane	ND		2.50	1	04/21/2016 10:29	WG865516
1,2,4-Trimethylbenzene	ND		1.00	1	04/21/2016 10:29	WG865516
1,2,3-Trimethylbenzene	ND		1.00	1	04/21/2016 10:29	WG865516
1,3,5-Trimethylbenzene	ND		1.00	1	04/21/2016 10:29	WG865516
Vinyl chloride	ND		1.00	1	04/21/2016 10:29	WG865516
Xylenes, Total	ND		3.00	1	04/21/2016 10:29	WG865516
(S) Toluene-d8	*108*		*90.0-115*		*04/21/2016 10:29*	WG865516
(S) Dibromofluoromethane	*109*		*79.0-121*		*04/21/2016 10:29*	WG865516
(S) 4-Bromofluorobenzene	*104*		*80.1-120*		*04/21/2016 10:29*	WG865516

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		100	1	04/22/2016 12:56	WG866718
Residual Range Organics (RRO)	ND		250	1	04/22/2016 12:56	WG866718
(S) o-Terphenyl	*68.4*		*50.0-150*		*04/22/2016 12:56*	WG866718

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	04/19/2016 01:35	WG865737
(S) a,a,a-Trifluorotoluene(FID)	*99.5*		*62.0-128*		*04/19/2016 01:35*	WG865737

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/21/2016 11:42	WG865516
Acrolein	ND		50.0	1	04/21/2016 11:42	WG865516
Acrylonitrile	ND		10.0	1	04/21/2016 11:42	WG865516
Benzene	ND		1.00	1	04/21/2016 11:42	WG865516
Bromobenzene	ND		1.00	1	04/21/2016 11:42	WG865516
Bromodichloromethane	ND		1.00	1	04/21/2016 11:42	WG865516
Bromoform	ND		1.00	1	04/21/2016 11:42	WG865516
Bromomethane	ND		5.00	1	04/21/2016 11:42	WG865516
n-Butylbenzene	ND		1.00	1	04/21/2016 11:42	WG865516
sec-Butylbenzene	ND		1.00	1	04/21/2016 11:42	WG865516
tert-Butylbenzene	ND		1.00	1	04/21/2016 11:42	WG865516
Carbon tetrachloride	ND		1.00	1	04/21/2016 11:42	WG865516
Chlorobenzene	ND		1.00	1	04/21/2016 11:42	WG865516
Chlorodibromomethane	ND		1.00	1	04/21/2016 11:42	WG865516
Chloroethane	ND		5.00	1	04/21/2016 11:42	WG865516
2-Chloroethyl vinyl ether	ND		50.0	1	04/21/2016 11:42	WG865516
Chloroform	ND		5.00	1	04/21/2016 11:42	WG865516
Chloromethane	ND		2.50	1	04/21/2016 11:42	WG865516
2-Chlorotoluene	ND		1.00	1	04/21/2016 11:42	WG865516
4-Chlorotoluene	ND		1.00	1	04/21/2016 11:42	WG865516
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/21/2016 11:42	WG865516
1,2-Dibromoethane	ND		1.00	1	04/21/2016 11:42	WG865516
Dibromomethane	ND		1.00	1	04/21/2016 11:42	WG865516
1,2-Dichlorobenzene	ND		1.00	1	04/21/2016 11:42	WG865516
1,3-Dichlorobenzene	ND		1.00	1	04/21/2016 11:42	WG865516
1,4-Dichlorobenzene	ND		1.00	1	04/21/2016 11:42	WG865516
Dichlorodifluoromethane	ND		5.00	1	04/21/2016 11:42	WG865516
1,1-Dichloroethane	ND		1.00	1	04/21/2016 11:42	WG865516
1,2-Dichloroethane	ND		1.00	1	04/21/2016 11:42	WG865516
1,1-Dichloroethene	ND		1.00	1	04/21/2016 11:42	WG865516
cis-1,2-Dichloroethene	ND		1.00	1	04/21/2016 11:42	WG865516
trans-1,2-Dichloroethene	ND		1.00	1	04/21/2016 11:42	WG865516
1,2-Dichloropropane	ND		1.00	1	04/21/2016 11:42	WG865516
1,1-Dichloropropene	ND		1.00	1	04/21/2016 11:42	WG865516
1,3-Dichloropropane	ND		1.00	1	04/21/2016 11:42	WG865516
cis-1,3-Dichloropropene	ND		1.00	1	04/21/2016 11:42	WG865516
trans-1,3-Dichloropropene	ND		1.00	1	04/21/2016 11:42	WG865516
2,2-Dichloropropane	ND		1.00	1	04/21/2016 11:42	WG865516
Di-isopropyl ether	ND		1.00	1	04/21/2016 11:42	WG865516
Ethylbenzene	ND		1.00	1	04/21/2016 11:42	WG865516
Hexachloro-1,3-butadiene	ND		1.00	1	04/21/2016 11:42	WG865516
Isopropylbenzene	ND		1.00	1	04/21/2016 11:42	WG865516
p-Isopropyltoluene	ND		1.00	1	04/21/2016 11:42	WG865516
2-Butanone (MEK)	ND		10.0	1	04/21/2016 11:42	WG865516
Methylene Chloride	ND		5.00	1	04/21/2016 11:42	WG865516
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/21/2016 11:42	WG865516
Methyl tert-butyl ether	ND		1.00	1	04/21/2016 11:42	WG865516
Naphthalene	ND		5.00	1	04/21/2016 11:42	WG865516
n-Propylbenzene	ND		1.00	1	04/21/2016 11:42	WG865516

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Styrene	ND		1.00	1	04/21/2016 11:42	WG865516
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/21/2016 11:42	WG865516
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/21/2016 11:42	WG865516
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/21/2016 11:42	WG865516
Tetrachloroethene	ND		1.00	1	04/21/2016 11:42	WG865516
Toluene	ND		5.00	1	04/21/2016 11:42	WG865516
1,2,3-Trichlorobenzene	ND		1.00	1	04/21/2016 11:42	WG865516
1,2,4-Trichlorobenzene	ND		1.00	1	04/21/2016 11:42	WG865516
1,1,1-Trichloroethane	ND		1.00	1	04/21/2016 11:42	WG865516
1,1,2-Trichloroethane	ND		1.00	1	04/21/2016 11:42	WG865516
Trichloroethene	ND		1.00	1	04/21/2016 11:42	WG865516
Trichlorofluoromethane	ND		5.00	1	04/21/2016 11:42	WG865516
1,2,3-Trichloropropane	ND		2.50	1	04/21/2016 11:42	WG865516
1,2,4-Trimethylbenzene	ND		1.00	1	04/21/2016 11:42	WG865516
1,2,3-Trimethylbenzene	ND		1.00	1	04/21/2016 11:42	WG865516
1,3,5-Trimethylbenzene	ND		1.00	1	04/21/2016 11:42	WG865516
Vinyl chloride	ND		1.00	1	04/21/2016 11:42	WG865516
Xylenes, Total	ND		3.00	1	04/21/2016 11:42	WG865516
(S) Toluene-d8	*106*		*90.0-115*		*04/21/2016 11:42*	WG865516
(S) Dibromofluoromethane	*109*		*79.0-121*		*04/21/2016 11:42*	WG865516
(S) 4-Bromofluorobenzene	*105*		*80.1-120*		*04/21/2016 11:42*	WG865516

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		100	1	04/22/2016 13:13	WG866718
Residual Range Organics (RRO)	ND		250	1	04/22/2016 13:13	WG866718
(S) o-Terphenyl	*58.6*		*50.0-150*		*04/22/2016 13:13*	WG866718

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Gasoline Range Organics-NWTPH	ND		100	1	04/19/2016 02:45	WG865737
(S) a,a,a-Trifluorotoluene(FID)	*99.5*		*62.0-128*		*04/19/2016 02:45*	WG865737

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Acetone	ND		50.0	1	04/21/2016 12:06	WG865516
Acrolein	ND		50.0	1	04/21/2016 12:06	WG865516
Acrylonitrile	ND		10.0	1	04/21/2016 12:06	WG865516
Benzene	ND		1.00	1	04/21/2016 12:06	WG865516
Bromobenzene	ND		1.00	1	04/21/2016 12:06	WG865516
Bromodichloromethane	ND		1.00	1	04/21/2016 12:06	WG865516
Bromoform	ND		1.00	1	04/21/2016 12:06	WG865516
Bromomethane	ND		5.00	1	04/21/2016 12:06	WG865516
n-Butylbenzene	ND		1.00	1	04/21/2016 12:06	WG865516
sec-Butylbenzene	ND		1.00	1	04/21/2016 12:06	WG865516
tert-Butylbenzene	ND		1.00	1	04/21/2016 12:06	WG865516
Carbon tetrachloride	ND		1.00	1	04/21/2016 12:06	WG865516
Chlorobenzene	ND		1.00	1	04/21/2016 12:06	WG865516
Chlorodibromomethane	ND		1.00	1	04/21/2016 12:06	WG865516
Chloroethane	ND		5.00	1	04/21/2016 12:06	WG865516
2-Chloroethyl vinyl ether	ND		50.0	1	04/21/2016 12:06	WG865516
Chloroform	ND		5.00	1	04/21/2016 12:06	WG865516
Chloromethane	ND		2.50	1	04/21/2016 12:06	WG865516
2-Chlorotoluene	ND		1.00	1	04/21/2016 12:06	WG865516
4-Chlorotoluene	ND		1.00	1	04/21/2016 12:06	WG865516
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/21/2016 12:06	WG865516
1,2-Dibromoethane	ND		1.00	1	04/21/2016 12:06	WG865516
Dibromomethane	ND		1.00	1	04/21/2016 12:06	WG865516
1,2-Dichlorobenzene	ND		1.00	1	04/21/2016 12:06	WG865516
1,3-Dichlorobenzene	ND		1.00	1	04/21/2016 12:06	WG865516
1,4-Dichlorobenzene	ND		1.00	1	04/21/2016 12:06	WG865516
Dichlorodifluoromethane	ND		5.00	1	04/21/2016 12:06	WG865516
1,1-Dichloroethane	ND		1.00	1	04/21/2016 12:06	WG865516
1,2-Dichloroethane	ND		1.00	1	04/21/2016 12:06	WG865516
1,1-Dichloroethene	ND		1.00	1	04/21/2016 12:06	WG865516
cis-1,2-Dichloroethene	ND		1.00	1	04/21/2016 12:06	WG865516
trans-1,2-Dichloroethene	ND		1.00	1	04/21/2016 12:06	WG865516
1,2-Dichloropropane	ND		1.00	1	04/21/2016 12:06	WG865516
1,1-Dichloropropene	ND		1.00	1	04/21/2016 12:06	WG865516
1,3-Dichloropropane	ND		1.00	1	04/21/2016 12:06	WG865516
cis-1,3-Dichloropropene	ND		1.00	1	04/21/2016 12:06	WG865516
trans-1,3-Dichloropropene	ND		1.00	1	04/21/2016 12:06	WG865516
2,2-Dichloropropane	ND		1.00	1	04/21/2016 12:06	WG865516
Di-isopropyl ether	ND		1.00	1	04/21/2016 12:06	WG865516
Ethylbenzene	ND		1.00	1	04/21/2016 12:06	WG865516
Hexachloro-1,3-butadiene	ND		1.00	1	04/21/2016 12:06	WG865516
Isopropylbenzene	ND		1.00	1	04/21/2016 12:06	WG865516
p-Isopropyltoluene	ND		1.00	1	04/21/2016 12:06	WG865516
2-Butanone (MEK)	ND		10.0	1	04/21/2016 12:06	WG865516
Methylene Chloride	ND		5.00	1	04/21/2016 12:06	WG865516
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/21/2016 12:06	WG865516
Methyl tert-butyl ether	ND		1.00	1	04/21/2016 12:06	WG865516
Naphthalene	ND		5.00	1	04/21/2016 12:06	WG865516
n-Propylbenzene	ND		1.00	1	04/21/2016 12:06	WG865516

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Styrene	ND		1.00	1	04/21/2016 12:06	WG865516
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/21/2016 12:06	WG865516
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/21/2016 12:06	WG865516
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/21/2016 12:06	WG865516
Tetrachloroethene	ND		1.00	1	04/21/2016 12:06	WG865516
Toluene	ND		5.00	1	04/21/2016 12:06	WG865516
1,2,3-Trichlorobenzene	ND		1.00	1	04/21/2016 12:06	WG865516
1,2,4-Trichlorobenzene	ND		1.00	1	04/21/2016 12:06	WG865516
1,1,1-Trichloroethane	ND		1.00	1	04/21/2016 12:06	WG865516
1,1,2-Trichloroethane	ND		1.00	1	04/21/2016 12:06	WG865516
Trichloroethene	ND		1.00	1	04/21/2016 12:06	WG865516
Trichlorofluoromethane	ND		5.00	1	04/21/2016 12:06	WG865516
1,2,3-Trichloropropane	ND		2.50	1	04/21/2016 12:06	WG865516
1,2,4-Trimethylbenzene	ND		1.00	1	04/21/2016 12:06	WG865516
1,2,3-Trimethylbenzene	ND		1.00	1	04/21/2016 12:06	WG865516
1,3,5-Trimethylbenzene	ND		1.00	1	04/21/2016 12:06	WG865516
Vinyl chloride	ND		1.00	1	04/21/2016 12:06	WG865516
Xylenes, Total	ND		3.00	1	04/21/2016 12:06	WG865516
(S) Toluene-d8	*106*		*90.0-115*		*04/21/2016 12:06*	WG865516
(S) Dibromofluoromethane	*109*		*79.0-121*		*04/21/2016 12:06*	WG865516
(S) 4-Bromofluorobenzene	*104*		*80.1-120*		*04/21/2016 12:06*	WG865516

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		100	1	04/22/2016 13:29	WG866718
Residual Range Organics (RRO)	ND		250	1	04/22/2016 13:29	WG866718
(S) o-Terphenyl	*81.2*		*50.0-150*		*04/22/2016 13:29*	WG866718

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	04/19/2016 03:08	WG865737
(S) a,a,a-Trifluorotoluene(FID)	*100*		*62.0-128*		*04/19/2016 03:08*	WG865737

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/21/2016 12:30	WG865516
Acrolein	ND		50.0	1	04/21/2016 12:30	WG865516
Acrylonitrile	ND		10.0	1	04/21/2016 12:30	WG865516
Benzene	ND		1.00	1	04/21/2016 12:30	WG865516
Bromobenzene	ND		1.00	1	04/21/2016 12:30	WG865516
Bromodichloromethane	ND		1.00	1	04/21/2016 12:30	WG865516
Bromoform	ND		1.00	1	04/21/2016 12:30	WG865516
Bromomethane	ND		5.00	1	04/21/2016 12:30	WG865516
n-Butylbenzene	ND		1.00	1	04/21/2016 12:30	WG865516
sec-Butylbenzene	ND		1.00	1	04/21/2016 12:30	WG865516
tert-Butylbenzene	ND		1.00	1	04/21/2016 12:30	WG865516
Carbon tetrachloride	ND		1.00	1	04/21/2016 12:30	WG865516
Chlorobenzene	ND		1.00	1	04/21/2016 12:30	WG865516
Chlorodibromomethane	ND		1.00	1	04/21/2016 12:30	WG865516
Chloroethane	ND		5.00	1	04/21/2016 12:30	WG865516
2-Chloroethyl vinyl ether	ND		50.0	1	04/21/2016 12:30	WG865516
Chloroform	ND		5.00	1	04/21/2016 12:30	WG865516
Chloromethane	ND		2.50	1	04/21/2016 12:30	WG865516
2-Chlorotoluene	ND		1.00	1	04/21/2016 12:30	WG865516
4-Chlorotoluene	ND		1.00	1	04/21/2016 12:30	WG865516
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/21/2016 12:30	WG865516
1,2-Dibromoethane	ND		1.00	1	04/21/2016 12:30	WG865516
Dibromomethane	ND		1.00	1	04/21/2016 12:30	WG865516
1,2-Dichlorobenzene	ND		1.00	1	04/21/2016 12:30	WG865516
1,3-Dichlorobenzene	ND		1.00	1	04/21/2016 12:30	WG865516
1,4-Dichlorobenzene	ND		1.00	1	04/21/2016 12:30	WG865516
Dichlorodifluoromethane	ND		5.00	1	04/21/2016 12:30	WG865516
1,1-Dichloroethane	ND		1.00	1	04/21/2016 12:30	WG865516
1,2-Dichloroethane	ND		1.00	1	04/21/2016 12:30	WG865516
1,1-Dichloroethene	ND		1.00	1	04/21/2016 12:30	WG865516
cis-1,2-Dichloroethene	ND		1.00	1	04/21/2016 12:30	WG865516
trans-1,2-Dichloroethene	ND		1.00	1	04/21/2016 12:30	WG865516
1,2-Dichloropropane	ND		1.00	1	04/21/2016 12:30	WG865516
1,1-Dichloropropene	ND		1.00	1	04/21/2016 12:30	WG865516
1,3-Dichloropropane	ND		1.00	1	04/21/2016 12:30	WG865516
cis-1,3-Dichloropropene	ND		1.00	1	04/21/2016 12:30	WG865516
trans-1,3-Dichloropropene	ND		1.00	1	04/21/2016 12:30	WG865516
2,2-Dichloropropane	ND		1.00	1	04/21/2016 12:30	WG865516
Di-isopropyl ether	ND		1.00	1	04/21/2016 12:30	WG865516
Ethylbenzene	ND		1.00	1	04/21/2016 12:30	WG865516
Hexachloro-1,3-butadiene	ND		1.00	1	04/21/2016 12:30	WG865516
Isopropylbenzene	ND		1.00	1	04/21/2016 12:30	WG865516
p-Isopropyltoluene	ND		1.00	1	04/21/2016 12:30	WG865516
2-Butanone (MEK)	ND		10.0	1	04/21/2016 12:30	WG865516
Methylene Chloride	ND		5.00	1	04/21/2016 12:30	WG865516
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/21/2016 12:30	WG865516
Methyl tert-butyl ether	ND		1.00	1	04/21/2016 12:30	WG865516
Naphthalene	ND		5.00	1	04/21/2016 12:30	WG865516
n-Propylbenzene	ND		1.00	1	04/21/2016 12:30	WG865516

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Styrene	ND		1.00	1	04/21/2016 12:30	WG865516
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/21/2016 12:30	WG865516
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/21/2016 12:30	WG865516
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/21/2016 12:30	WG865516
Tetrachloroethene	ND		1.00	1	04/21/2016 12:30	WG865516
Toluene	ND		5.00	1	04/21/2016 12:30	WG865516
1,2,3-Trichlorobenzene	ND		1.00	1	04/21/2016 12:30	WG865516
1,2,4-Trichlorobenzene	ND		1.00	1	04/21/2016 12:30	WG865516
1,1,1-Trichloroethane	ND		1.00	1	04/21/2016 12:30	WG865516
1,1,2-Trichloroethane	ND		1.00	1	04/21/2016 12:30	WG865516
Trichloroethene	ND		1.00	1	04/21/2016 12:30	WG865516
Trichlorofluoromethane	ND		5.00	1	04/21/2016 12:30	WG865516
1,2,3-Trichloropropane	ND		2.50	1	04/21/2016 12:30	WG865516
1,2,4-Trimethylbenzene	ND		1.00	1	04/21/2016 12:30	WG865516
1,2,3-Trimethylbenzene	ND		1.00	1	04/21/2016 12:30	WG865516
1,3,5-Trimethylbenzene	ND		1.00	1	04/21/2016 12:30	WG865516
Vinyl chloride	ND		1.00	1	04/21/2016 12:30	WG865516
Xylenes, Total	ND		3.00	1	04/21/2016 12:30	WG865516
(S) Toluene-d8	*106*		*90.0-115*		*04/21/2016 12:30*	WG865516
(S) Dibromofluoromethane	*109*		*79.0-121*		*04/21/2016 12:30*	WG865516
(S) 4-Bromofluorobenzene	*105*		*80.1-120*		*04/21/2016 12:30*	WG865516

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		100	1	04/22/2016 13:45	WG866718
Residual Range Organics (RRO)	ND		250	1	04/22/2016 13:45	WG866718
(S) o-Terphenyl	*70.1*		*50.0-150*		*04/22/2016 13:45*	WG866718

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	134		100	1	04/19/2016 03:31	WG865737
(S) a,a,a-Trifluorotoluene(FID)	*99.8*		*62.0-128*		*04/19/2016 03:31*	WG865737

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/21/2016 12:54	WG865516
Acrolein	ND		50.0	1	04/21/2016 12:54	WG865516
Acrylonitrile	ND		10.0	1	04/21/2016 12:54	WG865516
Benzene	ND		1.00	1	04/21/2016 12:54	WG865516
Bromobenzene	ND		1.00	1	04/21/2016 12:54	WG865516
Bromodichloromethane	ND		1.00	1	04/21/2016 12:54	WG865516
Bromoform	ND		1.00	1	04/21/2016 12:54	WG865516
Bromomethane	ND		5.00	1	04/21/2016 12:54	WG865516
n-Butylbenzene	ND		1.00	1	04/21/2016 12:54	WG865516
sec-Butylbenzene	ND		1.00	1	04/21/2016 12:54	WG865516
tert-Butylbenzene	ND		1.00	1	04/21/2016 12:54	WG865516
Carbon tetrachloride	ND		1.00	1	04/21/2016 12:54	WG865516
Chlorobenzene	ND		1.00	1	04/21/2016 12:54	WG865516
Chlorodibromomethane	ND		1.00	1	04/21/2016 12:54	WG865516
Chloroethane	ND		5.00	1	04/21/2016 12:54	WG865516
2-Chloroethyl vinyl ether	ND		50.0	1	04/21/2016 12:54	WG865516
Chloroform	ND		5.00	1	04/21/2016 12:54	WG865516
Chloromethane	ND		2.50	1	04/21/2016 12:54	WG865516
2-Chlorotoluene	ND		1.00	1	04/21/2016 12:54	WG865516
4-Chlorotoluene	ND		1.00	1	04/21/2016 12:54	WG865516
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/21/2016 12:54	WG865516
1,2-Dibromoethane	ND		1.00	1	04/21/2016 12:54	WG865516
Dibromomethane	ND		1.00	1	04/21/2016 12:54	WG865516
1,2-Dichlorobenzene	ND		1.00	1	04/21/2016 12:54	WG865516
1,3-Dichlorobenzene	ND		1.00	1	04/21/2016 12:54	WG865516
1,4-Dichlorobenzene	ND		1.00	1	04/21/2016 12:54	WG865516
Dichlorodifluoromethane	ND		5.00	1	04/21/2016 12:54	WG865516
1,1-Dichloroethane	ND		1.00	1	04/21/2016 12:54	WG865516
1,2-Dichloroethane	ND		1.00	1	04/21/2016 12:54	WG865516
1,1-Dichloroethene	ND		1.00	1	04/21/2016 12:54	WG865516
cis-1,2-Dichloroethene	ND		1.00	1	04/21/2016 12:54	WG865516
trans-1,2-Dichloroethene	ND		1.00	1	04/21/2016 12:54	WG865516
1,2-Dichloropropane	ND		1.00	1	04/21/2016 12:54	WG865516
1,1-Dichloropropene	ND		1.00	1	04/21/2016 12:54	WG865516
1,3-Dichloropropane	ND		1.00	1	04/21/2016 12:54	WG865516
cis-1,3-Dichloropropene	ND		1.00	1	04/21/2016 12:54	WG865516
trans-1,3-Dichloropropene	ND		1.00	1	04/21/2016 12:54	WG865516
2,2-Dichloropropane	ND		1.00	1	04/21/2016 12:54	WG865516
Di-isopropyl ether	ND		1.00	1	04/21/2016 12:54	WG865516
Ethylbenzene	ND		1.00	1	04/21/2016 12:54	WG865516
Hexachloro-1,3-butadiene	ND		1.00	1	04/21/2016 12:54	WG865516
Isopropylbenzene	ND		1.00	1	04/21/2016 12:54	WG865516
p-Isopropyltoluene	ND		1.00	1	04/21/2016 12:54	WG865516
2-Butanone (MEK)	ND		10.0	1	04/21/2016 12:54	WG865516
Methylene Chloride	ND		5.00	1	04/21/2016 12:54	WG865516
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/21/2016 12:54	WG865516
Methyl tert-butyl ether	ND		1.00	1	04/21/2016 12:54	WG865516
Naphthalene	ND		5.00	1	04/21/2016 12:54	WG865516
n-Propylbenzene	ND		1.00	1	04/21/2016 12:54	WG865516

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Styrene	ND		1.00	1	04/21/2016 12:54	WG865516
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/21/2016 12:54	WG865516
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/21/2016 12:54	WG865516
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/21/2016 12:54	WG865516
Tetrachloroethene	ND		1.00	1	04/21/2016 12:54	WG865516
Toluene	ND		5.00	1	04/21/2016 12:54	WG865516
1,2,3-Trichlorobenzene	ND		1.00	1	04/21/2016 12:54	WG865516
1,2,4-Trichlorobenzene	ND		1.00	1	04/21/2016 12:54	WG865516
1,1,1-Trichloroethane	ND		1.00	1	04/21/2016 12:54	WG865516
1,1,2-Trichloroethane	ND		1.00	1	04/21/2016 12:54	WG865516
Trichloroethene	ND		1.00	1	04/21/2016 12:54	WG865516
Trichlorofluoromethane	ND		5.00	1	04/21/2016 12:54	WG865516
1,2,3-Trichloropropane	ND		2.50	1	04/21/2016 12:54	WG865516
1,2,4-Trimethylbenzene	ND		1.00	1	04/21/2016 12:54	WG865516
1,2,3-Trimethylbenzene	ND		1.00	1	04/21/2016 12:54	WG865516
1,3,5-Trimethylbenzene	ND		1.00	1	04/21/2016 12:54	WG865516
Vinyl chloride	ND		1.00	1	04/21/2016 12:54	WG865516
Xylenes, Total	ND		3.00	1	04/21/2016 12:54	WG865516
(S) Toluene-d8	*106*		*90.0-115*		*04/21/2016 12:54*	WG865516
(S) Dibromofluoromethane	*110*		*79.0-121*		*04/21/2016 12:54*	WG865516
(S) 4-Bromofluorobenzene	*104*		*80.1-120*		*04/21/2016 12:54*	WG865516

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	834		100	1	04/22/2016 14:01	WG866718
Residual Range Organics (RRO)	1050		250	1	04/22/2016 14:01	WG866718
(S) o-Terphenyl	*72.6*		*50.0-150*		*04/22/2016 14:01*	WG866718

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	1710		100	1	04/19/2016 03:54	WG865737
(S) a,a,a-Trifluorotoluene(FID)	*100*		*62.0-128*		*04/19/2016 03:54*	WG865737

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/21/2016 13:19	WG865516
Acrolein	ND		50.0	1	04/21/2016 13:19	WG865516
Acrylonitrile	ND		10.0	1	04/21/2016 13:19	WG865516
Benzene	ND		1.00	1	04/21/2016 13:19	WG865516
Bromobenzene	ND		1.00	1	04/21/2016 13:19	WG865516
Bromodichloromethane	ND		1.00	1	04/21/2016 13:19	WG865516
Bromoform	ND		1.00	1	04/21/2016 13:19	WG865516
Bromomethane	ND		5.00	1	04/21/2016 13:19	WG865516
n-Butylbenzene	2.89		1.00	1	04/21/2016 13:19	WG865516
sec-Butylbenzene	1.32		1.00	1	04/21/2016 13:19	WG865516
tert-Butylbenzene	ND		1.00	1	04/21/2016 13:19	WG865516
Carbon tetrachloride	ND		1.00	1	04/21/2016 13:19	WG865516
Chlorobenzene	ND		1.00	1	04/21/2016 13:19	WG865516
Chlorodibromomethane	ND		1.00	1	04/21/2016 13:19	WG865516
Chloroethane	ND		5.00	1	04/21/2016 13:19	WG865516
2-Chloroethyl vinyl ether	ND		50.0	1	04/21/2016 13:19	WG865516
Chloroform	ND		5.00	1	04/21/2016 13:19	WG865516
Chloromethane	ND		2.50	1	04/21/2016 13:19	WG865516
2-Chlorotoluene	ND		1.00	1	04/21/2016 13:19	WG865516
4-Chlorotoluene	ND		1.00	1	04/21/2016 13:19	WG865516
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/21/2016 13:19	WG865516
1,2-Dibromoethane	ND		1.00	1	04/21/2016 13:19	WG865516
Dibromomethane	ND		1.00	1	04/21/2016 13:19	WG865516
1,2-Dichlorobenzene	ND		1.00	1	04/21/2016 13:19	WG865516
1,3-Dichlorobenzene	ND		1.00	1	04/21/2016 13:19	WG865516
1,4-Dichlorobenzene	ND		1.00	1	04/21/2016 13:19	WG865516
Dichlorodifluoromethane	ND		5.00	1	04/21/2016 13:19	WG865516
1,1-Dichloroethane	ND		1.00	1	04/21/2016 13:19	WG865516
1,2-Dichloroethane	ND		1.00	1	04/21/2016 13:19	WG865516
1,1-Dichloroethene	ND		1.00	1	04/21/2016 13:19	WG865516
cis-1,2-Dichloroethene	ND		1.00	1	04/21/2016 13:19	WG865516
trans-1,2-Dichloroethene	ND		1.00	1	04/21/2016 13:19	WG865516
1,2-Dichloropropane	ND		1.00	1	04/21/2016 13:19	WG865516
1,1-Dichloropropene	ND		1.00	1	04/21/2016 13:19	WG865516
1,3-Dichloropropane	ND		1.00	1	04/21/2016 13:19	WG865516
cis-1,3-Dichloropropene	ND		1.00	1	04/21/2016 13:19	WG865516
trans-1,3-Dichloropropene	ND		1.00	1	04/21/2016 13:19	WG865516
2,2-Dichloropropane	ND		1.00	1	04/21/2016 13:19	WG865516
Di-isopropyl ether	ND		1.00	1	04/21/2016 13:19	WG865516
Ethylbenzene	39.6		1.00	1	04/21/2016 13:19	WG865516
Hexachloro-1,3-butadiene	ND		1.00	1	04/21/2016 13:19	WG865516
Isopropylbenzene	6.83		1.00	1	04/21/2016 13:19	WG865516
p-Isopropyltoluene	ND		1.00	1	04/21/2016 13:19	WG865516
2-Butanone (MEK)	ND		10.0	1	04/21/2016 13:19	WG865516
Methylene Chloride	ND		5.00	1	04/21/2016 13:19	WG865516
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/21/2016 13:19	WG865516
Methyl tert-butyl ether	ND		1.00	1	04/21/2016 13:19	WG865516
Naphthalene	21.9		5.00	1	04/21/2016 13:19	WG865516
n-Propylbenzene	23.0		1.00	1	04/21/2016 13:19	WG865516

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Styrene	ND		1.00	1	04/21/2016 13:19	WG865516
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/21/2016 13:19	WG865516
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/21/2016 13:19	WG865516
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/21/2016 13:19	WG865516
Tetrachloroethene	ND		1.00	1	04/21/2016 13:19	WG865516
Toluene	ND		5.00	1	04/21/2016 13:19	WG865516
1,2,3-Trichlorobenzene	ND		1.00	1	04/21/2016 13:19	WG865516
1,2,4-Trichlorobenzene	ND		1.00	1	04/21/2016 13:19	WG865516
1,1,1-Trichloroethane	ND		1.00	1	04/21/2016 13:19	WG865516
1,1,2-Trichloroethane	ND		1.00	1	04/21/2016 13:19	WG865516
Trichloroethene	ND		1.00	1	04/21/2016 13:19	WG865516
Trichlorofluoromethane	ND		5.00	1	04/21/2016 13:19	WG865516
1,2,3-Trichloropropane	ND		2.50	1	04/21/2016 13:19	WG865516
1,2,4-Trimethylbenzene	175		1.00	1	04/21/2016 13:19	WG865516
1,2,3-Trimethylbenzene	46.0		1.00	1	04/21/2016 13:19	WG865516
1,3,5-Trimethylbenzene	51.0		1.00	1	04/21/2016 13:19	WG865516
Vinyl chloride	ND		1.00	1	04/21/2016 13:19	WG865516
Xylenes, Total	333		3.00	1	04/21/2016 13:19	WG865516
(S) Toluene-d8	*107*		*90.0-115*		*04/21/2016 13:19*	WG865516
(S) Dibromofluoromethane	*108*		*79.0-121*		*04/21/2016 13:19*	WG865516
(S) 4-Bromofluorobenzene	*101*		*80.1-120*		*04/21/2016 13:19*	WG865516

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		100	1	04/22/2016 14:17	WG866718
Residual Range Organics (RRO)	ND		250	1	04/22/2016 14:17	WG866718
(S) o-Terphenyl	*69.7*		*50.0-150*		*04/22/2016 14:17*	WG866718

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	69.1		1	04/19/2016 11:20	WG865850

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	0.388		0.231	1.6	04/21/2016 16:57	WG865875
(S) a,a,a-Trifluorotoluene(FID)	*95.8*		*59.0-128*		*04/21/2016 16:57*	WG865875

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0723	1	04/22/2016 04:50	WG865484
Acrylonitrile	ND		0.0145	1	04/22/2016 04:50	WG865484
Benzene	ND		0.00145	1	04/22/2016 04:50	WG865484
Bromobenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
Bromodichloromethane	ND		0.00145	1	04/22/2016 04:50	WG865484
Bromoform	ND		0.00145	1	04/22/2016 04:50	WG865484
Bromomethane	ND		0.00723	1	04/22/2016 04:50	WG865484
n-Butylbenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
sec-Butylbenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
tert-Butylbenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
Carbon tetrachloride	ND		0.00145	1	04/22/2016 04:50	WG865484
Chlorobenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
Chlorodibromomethane	ND		0.00145	1	04/22/2016 04:50	WG865484
Chloroethane	ND		0.00723	1	04/22/2016 04:50	WG865484
2-Chloroethyl vinyl ether	ND	J3	0.0723	1	04/22/2016 04:50	WG865484
Chloroform	ND		0.00723	1	04/22/2016 04:50	WG865484
Chloromethane	ND		0.00362	1	04/22/2016 04:50	WG865484
2-Chlorotoluene	ND		0.00145	1	04/22/2016 04:50	WG865484
4-Chlorotoluene	ND		0.00145	1	04/22/2016 04:50	WG865484
1,2-Dibromo-3-Chloropropane	ND		0.00723	1	04/22/2016 04:50	WG865484
1,2-Dibromoethane	ND		0.00145	1	04/22/2016 04:50	WG865484
Dibromomethane	ND		0.00145	1	04/22/2016 04:50	WG865484
1,2-Dichlorobenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
1,3-Dichlorobenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
1,4-Dichlorobenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
Dichlorodifluoromethane	ND		0.00723	1	04/22/2016 04:50	WG865484
1,1-Dichloroethane	ND		0.00145	1	04/22/2016 04:50	WG865484
1,2-Dichloroethane	ND		0.00145	1	04/22/2016 04:50	WG865484
1,1-Dichloroethene	ND		0.00145	1	04/22/2016 04:50	WG865484
cis-1,2-Dichloroethene	ND		0.00145	1	04/22/2016 04:50	WG865484
trans-1,2-Dichloroethene	ND		0.00145	1	04/22/2016 04:50	WG865484
1,2-Dichloropropane	ND		0.00145	1	04/22/2016 04:50	WG865484
1,1-Dichloropropene	ND		0.00145	1	04/22/2016 04:50	WG865484
1,3-Dichloropropane	ND		0.00145	1	04/22/2016 04:50	WG865484
cis-1,3-Dichloropropene	ND		0.00145	1	04/22/2016 04:50	WG865484
trans-1,3-Dichloropropene	ND		0.00145	1	04/22/2016 04:50	WG865484
2,2-Dichloropropane	ND		0.00145	1	04/22/2016 04:50	WG865484
Di-isopropyl ether	ND		0.00145	1	04/22/2016 04:50	WG865484
Ethylbenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
Hexachloro-1,3-butadiene	ND		0.00145	1	04/22/2016 04:50	WG865484
Isopropylbenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
p-Isopropyltoluene	ND		0.00145	1	04/22/2016 04:50	WG865484
2-Butanone (MEK)	ND		0.0145	1	04/22/2016 04:50	WG865484
Methylene Chloride	ND		0.00723	1	04/22/2016 04:50	WG865484

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0145	1	04/22/2016 04:50	WG865484
Methyl tert-butyl ether	ND		0.00145	1	04/22/2016 04:50	WG865484
Naphthalene	ND		0.00723	1	04/22/2016 04:50	WG865484
n-Propylbenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
Styrene	ND		0.00145	1	04/22/2016 04:50	WG865484
1,1,1,2-Tetrachloroethane	ND		0.00145	1	04/22/2016 04:50	WG865484
1,1,2,2-Tetrachloroethane	ND	J4	0.00145	1	04/22/2016 04:50	WG865484
1,1,2-Trichlorotrifluoroethane	ND		0.00145	1	04/22/2016 04:50	WG865484
Tetrachloroethene	ND		0.00145	1	04/22/2016 04:50	WG865484
Toluene	ND		0.00723	1	04/22/2016 04:50	WG865484
1,2,3-Trichlorobenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
1,2,4-Trichlorobenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
1,1,1-Trichloroethane	ND		0.00145	1	04/22/2016 04:50	WG865484
1,1,2-Trichloroethane	ND		0.00145	1	04/22/2016 04:50	WG865484
Trichloroethene	ND		0.00145	1	04/22/2016 04:50	WG865484
Trichlorofluoromethane	ND		0.00723	1	04/22/2016 04:50	WG865484
1,2,3-Trichloropropane	ND		0.00362	1	04/22/2016 04:50	WG865484
1,2,4-Trimethylbenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
1,2,3-Trimethylbenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
1,3,5-Trimethylbenzene	ND		0.00145	1	04/22/2016 04:50	WG865484
Vinyl chloride	ND		0.00145	1	04/22/2016 04:50	WG865484
Xylenes, Total	ND		0.00434	1	04/22/2016 04:50	WG865484
(S) Toluene-d8	*101*		*88.7-115*		*04/22/2016 04:50*	WG865484
(S) Dibromofluoromethane	*101*		*76.3-123*		*04/22/2016 04:50*	WG865484
(S) a,a,a-Trifluorotoluene	*104*		*87.2-117*		*04/22/2016 04:50*	WG865484
(S) 4-Bromofluorobenzene	*103*		*69.7-129*		*04/22/2016 04:50*	WG865484

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	11.1		5.79	1	04/22/2016 23:37	WG865432
Residual Range Organics (RRO)	21.7	J3	14.5	1	04/22/2016 23:37	WG865432
(S) o-Terphenyl	*63.6*		*50.0-150*		*04/22/2016 23:37*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0117		0.00868	1	04/22/2016 05:36	WG865993
Acenaphthene	0.0201		0.00868	1	04/22/2016 05:36	WG865993
Acenaphthylene	ND		0.00868	1	04/22/2016 05:36	WG865993
Benzo(a)anthracene	ND		0.00868	1	04/22/2016 05:36	WG865993
Benzo(a)pyrene	ND		0.00868	1	04/22/2016 05:36	WG865993
Benzo(b)fluoranthene	ND		0.00868	1	04/22/2016 05:36	WG865993
Benzo(g,h,i)perylene	ND		0.00868	1	04/22/2016 05:36	WG865993
Benzo(k)fluoranthene	ND		0.00868	1	04/22/2016 05:36	WG865993
Chrysene	ND		0.00868	1	04/22/2016 05:36	WG865993
Dibenz(a,h)anthracene	ND		0.00868	1	04/22/2016 05:36	WG865993
Fluoranthene	0.0217		0.00868	1	04/22/2016 05:36	WG865993
Fluorene	ND		0.00868	1	04/22/2016 05:36	WG865993
Indeno(1,2,3-cd)pyrene	ND		0.00868	1	04/22/2016 05:36	WG865993
Naphthalene	ND		0.0289	1	04/22/2016 05:36	WG865993
Phenanthrene	0.0652		0.00868	1	04/22/2016 05:36	WG865993
Pyrene	0.0255		0.00868	1	04/22/2016 05:36	WG865993
1-Methylnaphthalene	ND		0.0289	1	04/22/2016 05:36	WG865993
2-Methylnaphthalene	ND		0.0289	1	04/22/2016 05:36	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0289	1	04/22/2016 05:36	WG865993
(S) Nitrobenzene-d5	*42.7*		*22.1-146*		*04/22/2016 05:36*	WG865993
(S) 2-Fluorobiphenyl	*56.0*		*40.6-122*		*04/22/2016 05:36*	WG865993
(S) p-Terphenyl-d14	*39.9*		*32.2-131*		*04/22/2016 05:36*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	71.8		1	04/19/2016 11:20	WG865850

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.139	1	04/21/2016 17:19	WG865875
(S) a,a,a-Trifluorotoluene(FID)	*93.5*		*59.0-128*		*04/21/2016 17:19*	WG865875

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0697	1	04/22/2016 05:09	WG865484
Acrylonitrile	ND		0.0139	1	04/22/2016 05:09	WG865484
Benzene	ND		0.00139	1	04/22/2016 05:09	WG865484
Bromobenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
Bromodichloromethane	ND		0.00139	1	04/22/2016 05:09	WG865484
Bromoform	ND		0.00139	1	04/22/2016 05:09	WG865484
Bromomethane	ND		0.00697	1	04/22/2016 05:09	WG865484
n-Butylbenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
sec-Butylbenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
tert-Butylbenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
Carbon tetrachloride	ND		0.00139	1	04/22/2016 05:09	WG865484
Chlorobenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
Chlorodibromomethane	ND		0.00139	1	04/22/2016 05:09	WG865484
Chloroethane	ND		0.00697	1	04/22/2016 05:09	WG865484
2-Chloroethyl vinyl ether	ND	J3	0.0697	1	04/22/2016 05:09	WG865484
Chloroform	ND		0.00697	1	04/22/2016 05:09	WG865484
Chloromethane	ND		0.00348	1	04/22/2016 05:09	WG865484
2-Chlorotoluene	ND		0.00139	1	04/22/2016 05:09	WG865484
4-Chlorotoluene	ND		0.00139	1	04/22/2016 05:09	WG865484
1,2-Dibromo-3-Chloropropane	ND		0.00697	1	04/22/2016 05:09	WG865484
1,2-Dibromoethane	ND		0.00139	1	04/22/2016 05:09	WG865484
Dibromomethane	ND		0.00139	1	04/22/2016 05:09	WG865484
1,2-Dichlorobenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
1,3-Dichlorobenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
1,4-Dichlorobenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
Dichlorodifluoromethane	ND		0.00697	1	04/22/2016 05:09	WG865484
1,1-Dichloroethane	ND		0.00139	1	04/22/2016 05:09	WG865484
1,2-Dichloroethane	ND		0.00139	1	04/22/2016 05:09	WG865484
1,1-Dichloroethene	ND		0.00139	1	04/22/2016 05:09	WG865484
cis-1,2-Dichloroethene	ND		0.00139	1	04/22/2016 05:09	WG865484
trans-1,2-Dichloroethene	ND		0.00139	1	04/22/2016 05:09	WG865484
1,2-Dichloropropane	ND		0.00139	1	04/22/2016 05:09	WG865484
1,1-Dichloropropene	ND		0.00139	1	04/22/2016 05:09	WG865484
1,3-Dichloropropane	ND		0.00139	1	04/22/2016 05:09	WG865484
cis-1,3-Dichloropropene	ND		0.00139	1	04/22/2016 05:09	WG865484
trans-1,3-Dichloropropene	ND		0.00139	1	04/22/2016 05:09	WG865484
2,2-Dichloropropane	ND		0.00139	1	04/22/2016 05:09	WG865484
Di-isopropyl ether	ND		0.00139	1	04/22/2016 05:09	WG865484
Ethylbenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
Hexachloro-1,3-butadiene	ND		0.00139	1	04/22/2016 05:09	WG865484
Isopropylbenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
p-Isopropyltoluene	ND		0.00139	1	04/22/2016 05:09	WG865484
2-Butanone (MEK)	ND		0.0139	1	04/22/2016 05:09	WG865484
Methylene Chloride	ND		0.00697	1	04/22/2016 05:09	WG865484

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0139	1	04/22/2016 05:09	WG865484
Methyl tert-butyl ether	ND		0.00139	1	04/22/2016 05:09	WG865484
Naphthalene	ND		0.00697	1	04/22/2016 05:09	WG865484
n-Propylbenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
Styrene	ND		0.00139	1	04/22/2016 05:09	WG865484
1,1,1,2-Tetrachloroethane	ND		0.00139	1	04/22/2016 05:09	WG865484
1,1,2,2-Tetrachloroethane	ND	J4	0.00139	1	04/22/2016 05:09	WG865484
1,1,2-Trichlorotrifluoroethane	ND		0.00139	1	04/22/2016 05:09	WG865484
Tetrachloroethene	ND		0.00139	1	04/22/2016 05:09	WG865484
Toluene	ND		0.00697	1	04/22/2016 05:09	WG865484
1,2,3-Trichlorobenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
1,2,4-Trichlorobenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
1,1,1-Trichloroethane	ND		0.00139	1	04/22/2016 05:09	WG865484
1,1,2-Trichloroethane	ND		0.00139	1	04/22/2016 05:09	WG865484
Trichloroethene	ND		0.00139	1	04/22/2016 05:09	WG865484
Trichlorofluoromethane	ND		0.00697	1	04/22/2016 05:09	WG865484
1,2,3-Trichloropropane	ND		0.00348	1	04/22/2016 05:09	WG865484
1,2,4-Trimethylbenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
1,2,3-Trimethylbenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
1,3,5-Trimethylbenzene	ND		0.00139	1	04/22/2016 05:09	WG865484
Vinyl chloride	ND		0.00139	1	04/22/2016 05:09	WG865484
Xylenes, Total	ND		0.00418	1	04/22/2016 05:09	WG865484
(S) Toluene-d8	*98.6*		*88.7-115*		*04/22/2016 05:09*	WG865484
(S) Dibromofluoromethane	*105*		*76.3-123*		*04/22/2016 05:09*	WG865484
(S) a,a,a-Trifluorotoluene	*99.1*		*87.2-117*		*04/22/2016 05:09*	WG865484
(S) 4-Bromofluorobenzene	*90.8*		*69.7-129*		*04/22/2016 05:09*	WG865484

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.57	1	04/22/2016 23:50	WG865432
Residual Range Organics (RRO)	32.9	J3	13.9	1	04/22/2016 23:50	WG865432
(S) o-Terphenyl	*87.8*		*50.0-150*		*04/22/2016 23:50*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00836	1	04/22/2016 05:56	WG865993
Acenaphthene	ND		0.00836	1	04/22/2016 05:56	WG865993
Acenaphthylene	ND		0.00836	1	04/22/2016 05:56	WG865993
Benzo(a)anthracene	0.0105		0.00836	1	04/22/2016 05:56	WG865993
Benzo(a)pyrene	0.0264		0.00836	1	04/22/2016 05:56	WG865993
Benzo(b)fluoranthene	0.0317		0.00836	1	04/22/2016 05:56	WG865993
Benzo(g,h,i)perylene	0.0386		0.00836	1	04/22/2016 05:56	WG865993
Benzo(k)fluoranthene	ND		0.00836	1	04/22/2016 05:56	WG865993
Chrysene	0.0159		0.00836	1	04/22/2016 05:56	WG865993
Dibenz(a,h)anthracene	ND		0.00836	1	04/22/2016 05:56	WG865993
Fluoranthene	0.0146		0.00836	1	04/22/2016 05:56	WG865993
Fluorene	ND		0.00836	1	04/22/2016 05:56	WG865993
Indeno(1,2,3-cd)pyrene	0.0226		0.00836	1	04/22/2016 05:56	WG865993
Naphthalene	ND		0.0279	1	04/22/2016 05:56	WG865993
Phenanthrene	0.00897		0.00836	1	04/22/2016 05:56	WG865993
Pyrene	0.0206		0.00836	1	04/22/2016 05:56	WG865993
1-Methylnaphthalene	ND		0.0279	1	04/22/2016 05:56	WG865993
2-Methylnaphthalene	ND		0.0279	1	04/22/2016 05:56	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0279	1	04/22/2016 05:56	WG865993
(S) Nitrobenzene-d5	*81.1*		*22.1-146*		*04/22/2016 05:56*	WG865993
(S) 2-Fluorobiphenyl	*78.7*		*40.6-122*		*04/22/2016 05:56*	WG865993
(S) p-Terphenyl-d14	*67.8*		*32.2-131*		*04/22/2016 05:56*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.2		1	04/19/2016 11:20	WG865850

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.131	1	04/21/2016 17:41	WG865875
(S) a,a,a-Trifluorotoluene(FID)	*96.5*		*59.0-128*		*04/21/2016 17:41*	WG865875

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0656	1	04/21/2016 11:20	WG865485
Acrylonitrile	ND		0.0131	1	04/21/2016 11:20	WG865485
Benzene	ND		0.00131	1	04/21/2016 11:20	WG865485
Bromobenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
Bromodichloromethane	ND		0.00131	1	04/21/2016 11:20	WG865485
Bromoform	ND		0.00131	1	04/21/2016 11:20	WG865485
Bromomethane	ND		0.00656	1	04/21/2016 11:20	WG865485
n-Butylbenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
sec-Butylbenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
tert-Butylbenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
Carbon tetrachloride	ND		0.00131	1	04/21/2016 11:20	WG865485
Chlorobenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
Chlorodibromomethane	ND		0.00131	1	04/21/2016 11:20	WG865485
Chloroethane	ND		0.00656	1	04/21/2016 11:20	WG865485
2-Chloroethyl vinyl ether	ND	J4	0.0656	1	04/21/2016 11:20	WG865485
Chloroform	ND		0.00656	1	04/21/2016 11:20	WG865485
Chloromethane	ND		0.00328	1	04/21/2016 11:20	WG865485
2-Chlorotoluene	ND		0.00131	1	04/21/2016 11:20	WG865485
4-Chlorotoluene	ND		0.00131	1	04/21/2016 11:20	WG865485
1,2-Dibromo-3-Chloropropane	ND		0.00656	1	04/21/2016 11:20	WG865485
1,2-Dibromoethane	ND		0.00131	1	04/21/2016 11:20	WG865485
Dibromomethane	ND		0.00131	1	04/21/2016 11:20	WG865485
1,2-Dichlorobenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
1,3-Dichlorobenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
1,4-Dichlorobenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
Dichlorodifluoromethane	ND		0.00656	1	04/21/2016 11:20	WG865485
1,1-Dichloroethane	ND		0.00131	1	04/21/2016 11:20	WG865485
1,2-Dichloroethane	ND		0.00131	1	04/21/2016 11:20	WG865485
1,1-Dichloroethene	ND		0.00131	1	04/21/2016 11:20	WG865485
cis-1,2-Dichloroethene	ND		0.00131	1	04/21/2016 11:20	WG865485
trans-1,2-Dichloroethene	ND		0.00131	1	04/21/2016 11:20	WG865485
1,2-Dichloropropane	ND		0.00131	1	04/21/2016 11:20	WG865485
1,1-Dichloropropene	ND		0.00131	1	04/21/2016 11:20	WG865485
1,3-Dichloropropane	ND		0.00131	1	04/21/2016 11:20	WG865485
cis-1,3-Dichloropropene	ND		0.00131	1	04/21/2016 11:20	WG865485
trans-1,3-Dichloropropene	ND		0.00131	1	04/21/2016 11:20	WG865485
2,2-Dichloropropane	ND		0.00131	1	04/21/2016 11:20	WG865485
Di-isopropyl ether	ND		0.00131	1	04/21/2016 11:20	WG865485
Ethylbenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
Hexachloro-1,3-butadiene	ND		0.00131	1	04/21/2016 11:20	WG865485
Isopropylbenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
p-Isopropyltoluene	ND		0.00131	1	04/21/2016 11:20	WG865485
2-Butanone (MEK)	ND		0.0131	1	04/21/2016 11:20	WG865485
Methylene Chloride	ND		0.00656	1	04/21/2016 11:20	WG865485

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0131	1	04/21/2016 11:20	WG865485
Methyl tert-butyl ether	ND		0.00131	1	04/21/2016 11:20	WG865485
Naphthalene	ND		0.00656	1	04/21/2016 11:20	WG865485
n-Propylbenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
Styrene	ND		0.00131	1	04/21/2016 11:20	WG865485
1,1,1,2-Tetrachloroethane	ND		0.00131	1	04/21/2016 11:20	WG865485
1,1,2,2-Tetrachloroethane	ND		0.00131	1	04/21/2016 11:20	WG865485
1,1,2-Trichlorotrifluoroethane	ND		0.00131	1	04/21/2016 11:20	WG865485
Tetrachloroethene	ND		0.00131	1	04/21/2016 11:20	WG865485
Toluene	ND		0.00656	1	04/21/2016 11:20	WG865485
1,2,3-Trichlorobenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
1,2,4-Trichlorobenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
1,1,1-Trichloroethane	ND		0.00131	1	04/21/2016 11:20	WG865485
1,1,2-Trichloroethane	ND		0.00131	1	04/21/2016 11:20	WG865485
Trichloroethene	ND		0.00131	1	04/21/2016 11:20	WG865485
Trichlorofluoromethane	ND		0.00656	1	04/21/2016 11:20	WG865485
1,2,3-Trichloropropane	ND		0.00328	1	04/21/2016 11:20	WG865485
1,2,4-Trimethylbenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
1,2,3-Trimethylbenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
1,3,5-Trimethylbenzene	ND		0.00131	1	04/21/2016 11:20	WG865485
Vinyl chloride	ND		0.00131	1	04/21/2016 11:20	WG865485
Xylenes, Total	ND		0.00394	1	04/21/2016 11:20	WG865485
(S) Toluene-d8	*101*		*88.7-115*		*04/21/2016 11:20*	WG865485
(S) Dibromofluoromethane	*97.2*		*76.3-123*		*04/21/2016 11:20*	WG865485
(S) a,a,a-Trifluorotoluene	*105*		*87.2-117*		*04/21/2016 11:20*	WG865485
(S) 4-Bromofluorobenzene	*103*		*69.7-129*		*04/21/2016 11:20*	WG865485

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.25	1	04/22/2016 20:01	WG865432
Residual Range Organics (RRO)	ND	J3	13.1	1	04/22/2016 20:01	WG865432
(S) o-Terphenyl	*79.0*		*50.0-150*		*04/22/2016 20:01*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00787	1	04/22/2016 06:17	WG865993
Acenaphthene	ND		0.00787	1	04/22/2016 06:17	WG865993
Acenaphthylene	ND		0.00787	1	04/22/2016 06:17	WG865993
Benzo(a)anthracene	ND		0.00787	1	04/22/2016 06:17	WG865993
Benzo(a)pyrene	ND		0.00787	1	04/22/2016 06:17	WG865993
Benzo(b)fluoranthene	ND		0.00787	1	04/22/2016 06:17	WG865993
Benzo(g,h,i)perylene	ND		0.00787	1	04/22/2016 06:17	WG865993
Benzo(k)fluoranthene	ND		0.00787	1	04/22/2016 06:17	WG865993
Chrysene	ND		0.00787	1	04/22/2016 06:17	WG865993
Dibenz(a,h)anthracene	ND		0.00787	1	04/22/2016 06:17	WG865993
Fluoranthene	ND		0.00787	1	04/22/2016 06:17	WG865993
Fluorene	ND		0.00787	1	04/22/2016 06:17	WG865993
Indeno(1,2,3-cd)pyrene	ND		0.00787	1	04/22/2016 06:17	WG865993
Naphthalene	ND		0.0262	1	04/22/2016 06:17	WG865993
Phenanthrene	ND		0.00787	1	04/22/2016 06:17	WG865993
Pyrene	ND		0.00787	1	04/22/2016 06:17	WG865993
1-Methylnaphthalene	ND		0.0262	1	04/22/2016 06:17	WG865993
2-Methylnaphthalene	ND		0.0262	1	04/22/2016 06:17	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0262	1	04/22/2016 06:17	WG865993
(S) Nitrobenzene-d5	*63.9*		*22.1-146*		*04/22/2016 06:17*	WG865993
(S) 2-Fluorobiphenyl	*62.4*		*40.6-122*		*04/22/2016 06:17*	WG865993
(S) p-Terphenyl-d14	*41.9*		*32.2-131*		*04/22/2016 06:17*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	04/19/2016 11:20	WG865850

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.116	1	04/21/2016 18:04	WG865875
(S) a,a,a-Trifluorotoluene(FID)	*96.2*		*59.0-128*		*04/21/2016 18:04*	WG865875

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0579	1	04/21/2016 11:39	WG865485
Acrylonitrile	ND		0.0116	1	04/21/2016 11:39	WG865485
Benzene	ND		0.00116	1	04/21/2016 11:39	WG865485
Bromobenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
Bromodichloromethane	ND		0.00116	1	04/21/2016 11:39	WG865485
Bromoform	ND		0.00116	1	04/21/2016 11:39	WG865485
Bromomethane	ND		0.00579	1	04/21/2016 11:39	WG865485
n-Butylbenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
sec-Butylbenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
tert-Butylbenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
Carbon tetrachloride	ND		0.00116	1	04/21/2016 11:39	WG865485
Chlorobenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
Chlorodibromomethane	ND		0.00116	1	04/21/2016 11:39	WG865485
Chloroethane	ND		0.00579	1	04/21/2016 11:39	WG865485
2-Chloroethyl vinyl ether	ND	J4	0.0579	1	04/21/2016 11:39	WG865485
Chloroform	ND		0.00579	1	04/21/2016 11:39	WG865485
Chloromethane	ND		0.00289	1	04/21/2016 11:39	WG865485
2-Chlorotoluene	ND		0.00116	1	04/21/2016 11:39	WG865485
4-Chlorotoluene	ND		0.00116	1	04/21/2016 11:39	WG865485
1,2-Dibromo-3-Chloropropane	ND		0.00579	1	04/21/2016 11:39	WG865485
1,2-Dibromoethane	ND		0.00116	1	04/21/2016 11:39	WG865485
Dibromomethane	ND		0.00116	1	04/21/2016 11:39	WG865485
1,2-Dichlorobenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
1,3-Dichlorobenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
1,4-Dichlorobenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
Dichlorodifluoromethane	ND		0.00579	1	04/21/2016 11:39	WG865485
1,1-Dichloroethane	ND		0.00116	1	04/21/2016 11:39	WG865485
1,2-Dichloroethane	ND		0.00116	1	04/21/2016 11:39	WG865485
1,1-Dichloroethene	ND		0.00116	1	04/21/2016 11:39	WG865485
cis-1,2-Dichloroethene	ND		0.00116	1	04/21/2016 11:39	WG865485
trans-1,2-Dichloroethene	ND		0.00116	1	04/21/2016 11:39	WG865485
1,2-Dichloropropane	ND		0.00116	1	04/21/2016 11:39	WG865485
1,1-Dichloropropene	ND		0.00116	1	04/21/2016 11:39	WG865485
1,3-Dichloropropane	ND		0.00116	1	04/21/2016 11:39	WG865485
cis-1,3-Dichloropropene	ND		0.00116	1	04/21/2016 11:39	WG865485
trans-1,3-Dichloropropene	ND		0.00116	1	04/21/2016 11:39	WG865485
2,2-Dichloropropane	ND		0.00116	1	04/21/2016 11:39	WG865485
Di-isopropyl ether	ND		0.00116	1	04/21/2016 11:39	WG865485
Ethylbenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
Hexachloro-1,3-butadiene	ND		0.00116	1	04/21/2016 11:39	WG865485
Isopropylbenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
p-Isopropyltoluene	ND		0.00116	1	04/21/2016 11:39	WG865485
2-Butanone (MEK)	ND		0.0116	1	04/21/2016 11:39	WG865485
Methylene Chloride	ND		0.00579	1	04/21/2016 11:39	WG865485

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0116	1	04/21/2016 11:39	WG865485
Methyl tert-butyl ether	ND		0.00116	1	04/21/2016 11:39	WG865485
Naphthalene	ND		0.00579	1	04/21/2016 11:39	WG865485
n-Propylbenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
Styrene	ND		0.00116	1	04/21/2016 11:39	WG865485
1,1,1,2-Tetrachloroethane	ND		0.00116	1	04/21/2016 11:39	WG865485
1,1,2,2-Tetrachloroethane	ND		0.00116	1	04/21/2016 11:39	WG865485
1,1,2-Trichlorotrifluoroethane	ND		0.00116	1	04/21/2016 11:39	WG865485
Tetrachloroethene	ND		0.00116	1	04/21/2016 11:39	WG865485
Toluene	ND		0.00579	1	04/21/2016 11:39	WG865485
1,2,3-Trichlorobenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
1,2,4-Trichlorobenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
1,1,1-Trichloroethane	ND		0.00116	1	04/21/2016 11:39	WG865485
1,1,2-Trichloroethane	ND		0.00116	1	04/21/2016 11:39	WG865485
Trichloroethene	ND		0.00116	1	04/21/2016 11:39	WG865485
Trichlorofluoromethane	ND		0.00579	1	04/21/2016 11:39	WG865485
1,2,3-Trichloropropane	ND		0.00289	1	04/21/2016 11:39	WG865485
1,2,4-Trimethylbenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
1,2,3-Trimethylbenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
1,3,5-Trimethylbenzene	ND		0.00116	1	04/21/2016 11:39	WG865485
Vinyl chloride	ND		0.00116	1	04/21/2016 11:39	WG865485
Xylenes, Total	ND		0.00347	1	04/21/2016 11:39	WG865485
(S) Toluene-d8	*99.7*		*88.7-115*		*04/21/2016 11:39*	WG865485
(S) Dibromofluoromethane	*98.3*		*76.3-123*		*04/21/2016 11:39*	WG865485
(S) a,a,a-Trifluorotoluene	*105*		*87.2-117*		*04/21/2016 11:39*	WG865485
(S) 4-Bromofluorobenzene	*102*		*69.7-129*		*04/21/2016 11:39*	WG865485

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		4.63	1	04/22/2016 20:13	WG865432
Residual Range Organics (RRO)	ND	J3	11.6	1	04/22/2016 20:13	WG865432
(S) o-Terphenyl	*85.2*		*50.0-150*		*04/22/2016 20:13*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00695	1	04/22/2016 06:38	WG865993
Acenaphthene	ND		0.00695	1	04/22/2016 06:38	WG865993
Acenaphthylene	ND		0.00695	1	04/22/2016 06:38	WG865993
Benzo(a)anthracene	ND		0.00695	1	04/22/2016 06:38	WG865993
Benzo(a)pyrene	ND		0.00695	1	04/22/2016 06:38	WG865993
Benzo(b)fluoranthene	ND		0.00695	1	04/22/2016 06:38	WG865993
Benzo(g,h,i)perylene	ND		0.00695	1	04/22/2016 06:38	WG865993
Benzo(k)fluoranthene	ND		0.00695	1	04/22/2016 06:38	WG865993
Chrysene	ND		0.00695	1	04/22/2016 06:38	WG865993
Dibenz(a,h)anthracene	ND		0.00695	1	04/22/2016 06:38	WG865993
Fluoranthene	ND		0.00695	1	04/22/2016 06:38	WG865993
Fluorene	ND		0.00695	1	04/22/2016 06:38	WG865993
Indeno(1,2,3-cd)pyrene	ND		0.00695	1	04/22/2016 06:38	WG865993
Naphthalene	ND		0.0232	1	04/22/2016 06:38	WG865993
Phenanthrene	ND		0.00695	1	04/22/2016 06:38	WG865993
Pyrene	ND		0.00695	1	04/22/2016 06:38	WG865993
1-Methylnaphthalene	ND		0.0232	1	04/22/2016 06:38	WG865993
2-Methylnaphthalene	ND		0.0232	1	04/22/2016 06:38	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0232	1	04/22/2016 06:38	WG865993
(S) Nitrobenzene-d5	*77.2*		*22.1-146*		*04/22/2016 06:38*	WG865993
(S) 2-Fluorobiphenyl	*75.9*		*40.6-122*		*04/22/2016 06:38*	WG865993
(S) p-Terphenyl-d14	*61.1*		*32.2-131*		*04/22/2016 06:38*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.0		1	04/19/2016 11:20	WG865850

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.121	1.09	04/21/2016 18:26	WG865875
(S) a,a,a-Trifluorotoluene(FID)	*96.2*		*59.0-128*		*04/21/2016 18:26*	WG865875

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0556	1	04/21/2016 11:58	WG865485
Acrylonitrile	ND		0.0111	1	04/21/2016 11:58	WG865485
Benzene	ND		0.00111	1	04/21/2016 11:58	WG865485
Bromobenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
Bromodichloromethane	ND		0.00111	1	04/21/2016 11:58	WG865485
Bromoform	ND		0.00111	1	04/21/2016 11:58	WG865485
Bromomethane	ND		0.00556	1	04/21/2016 11:58	WG865485
n-Butylbenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
sec-Butylbenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
tert-Butylbenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
Carbon tetrachloride	ND		0.00111	1	04/21/2016 11:58	WG865485
Chlorobenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
Chlorodibromomethane	ND		0.00111	1	04/21/2016 11:58	WG865485
Chloroethane	ND		0.00556	1	04/21/2016 11:58	WG865485
2-Chloroethyl vinyl ether	ND	J4	0.0556	1	04/21/2016 11:58	WG865485
Chloroform	ND		0.00556	1	04/21/2016 11:58	WG865485
Chloromethane	ND		0.00278	1	04/21/2016 11:58	WG865485
2-Chlorotoluene	ND		0.00111	1	04/21/2016 11:58	WG865485
4-Chlorotoluene	ND		0.00111	1	04/21/2016 11:58	WG865485
1,2-Dibromo-3-Chloropropane	ND		0.00556	1	04/21/2016 11:58	WG865485
1,2-Dibromoethane	ND		0.00111	1	04/21/2016 11:58	WG865485
Dibromomethane	ND		0.00111	1	04/21/2016 11:58	WG865485
1,2-Dichlorobenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
1,3-Dichlorobenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
1,4-Dichlorobenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
Dichlorodifluoromethane	ND		0.00556	1	04/21/2016 11:58	WG865485
1,1-Dichloroethane	ND		0.00111	1	04/21/2016 11:58	WG865485
1,2-Dichloroethane	ND		0.00111	1	04/21/2016 11:58	WG865485
1,1-Dichloroethene	ND		0.00111	1	04/21/2016 11:58	WG865485
cis-1,2-Dichloroethene	ND		0.00111	1	04/21/2016 11:58	WG865485
trans-1,2-Dichloroethene	ND		0.00111	1	04/21/2016 11:58	WG865485
1,2-Dichloropropane	ND		0.00111	1	04/21/2016 11:58	WG865485
1,1-Dichloropropene	ND		0.00111	1	04/21/2016 11:58	WG865485
1,3-Dichloropropane	ND		0.00111	1	04/21/2016 11:58	WG865485
cis-1,3-Dichloropropene	ND		0.00111	1	04/21/2016 11:58	WG865485
trans-1,3-Dichloropropene	ND		0.00111	1	04/21/2016 11:58	WG865485
2,2-Dichloropropane	ND		0.00111	1	04/21/2016 11:58	WG865485
Di-isopropyl ether	ND		0.00111	1	04/21/2016 11:58	WG865485
Ethylbenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
Hexachloro-1,3-butadiene	ND		0.00111	1	04/21/2016 11:58	WG865485
Isopropylbenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
p-Isopropyltoluene	ND		0.00111	1	04/21/2016 11:58	WG865485
2-Butanone (MEK)	ND		0.0111	1	04/21/2016 11:58	WG865485
Methylene Chloride	ND		0.00556	1	04/21/2016 11:58	WG865485

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0111	1	04/21/2016 11:58	WG865485
Methyl tert-butyl ether	ND		0.00111	1	04/21/2016 11:58	WG865485
Naphthalene	ND		0.00556	1	04/21/2016 11:58	WG865485
n-Propylbenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
Styrene	ND		0.00111	1	04/21/2016 11:58	WG865485
1,1,1,2-Tetrachloroethane	ND		0.00111	1	04/21/2016 11:58	WG865485
1,1,2,2-Tetrachloroethane	ND		0.00111	1	04/21/2016 11:58	WG865485
1,1,2-Trichlorotrifluoroethane	ND		0.00111	1	04/21/2016 11:58	WG865485
Tetrachloroethene	ND		0.00111	1	04/21/2016 11:58	WG865485
Toluene	ND		0.00556	1	04/21/2016 11:58	WG865485
1,2,3-Trichlorobenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
1,2,4-Trichlorobenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
1,1,1-Trichloroethane	ND		0.00111	1	04/21/2016 11:58	WG865485
1,1,2-Trichloroethane	ND		0.00111	1	04/21/2016 11:58	WG865485
Trichloroethene	ND		0.00111	1	04/21/2016 11:58	WG865485
Trichlorofluoromethane	ND		0.00556	1	04/21/2016 11:58	WG865485
1,2,3-Trichloropropane	ND		0.00278	1	04/21/2016 11:58	WG865485
1,2,4-Trimethylbenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
1,2,3-Trimethylbenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
1,3,5-Trimethylbenzene	ND		0.00111	1	04/21/2016 11:58	WG865485
Vinyl chloride	ND		0.00111	1	04/21/2016 11:58	WG865485
Xylenes, Total	ND		0.00333	1	04/21/2016 11:58	WG865485
(S) Toluene-d8	*100*		*88.7-115*		*04/21/2016 11:58*	WG865485
(S) Dibromofluoromethane	*98.1*		*76.3-123*		*04/21/2016 11:58*	WG865485
(S) a,a,a-Trifluorotoluene	*103*		*87.2-117*		*04/21/2016 11:58*	WG865485
(S) 4-Bromofluorobenzene	*102*		*69.7-129*		*04/21/2016 11:58*	WG865485

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		4.45	1	04/22/2016 20:26	WG865432
Residual Range Organics (RRO)	ND	J3	11.1	1	04/22/2016 20:26	WG865432
(S) o-Terphenyl	*112*		*50.0-150*		*04/22/2016 20:26*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00667	1	04/22/2016 06:59	WG865993
Acenaphthene	ND		0.00667	1	04/22/2016 06:59	WG865993
Acenaphthylene	ND		0.00667	1	04/22/2016 06:59	WG865993
Benzo(a)anthracene	ND		0.00667	1	04/22/2016 06:59	WG865993
Benzo(a)pyrene	ND		0.00667	1	04/22/2016 06:59	WG865993
Benzo(b)fluoranthene	ND		0.00667	1	04/22/2016 06:59	WG865993
Benzo(g,h,i)perylene	ND		0.00667	1	04/22/2016 06:59	WG865993
Benzo(k)fluoranthene	ND		0.00667	1	04/22/2016 06:59	WG865993
Chrysene	ND		0.00667	1	04/22/2016 06:59	WG865993
Dibenz(a,h)anthracene	ND		0.00667	1	04/22/2016 06:59	WG865993
Fluoranthene	ND		0.00667	1	04/22/2016 06:59	WG865993
Fluorene	ND		0.00667	1	04/22/2016 06:59	WG865993
Indeno(1,2,3-cd)pyrene	ND		0.00667	1	04/22/2016 06:59	WG865993
Naphthalene	ND		0.0222	1	04/22/2016 06:59	WG865993
Phenanthrene	ND		0.00667	1	04/22/2016 06:59	WG865993
Pyrene	ND		0.00667	1	04/22/2016 06:59	WG865993
1-Methylnaphthalene	ND		0.0222	1	04/22/2016 06:59	WG865993
2-Methylnaphthalene	ND		0.0222	1	04/22/2016 06:59	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0222	1	04/22/2016 06:59	WG865993
(S) Nitrobenzene-d5	*80.6*		*22.1-146*		*04/22/2016 06:59*	WG865993
(S) 2-Fluorobiphenyl	*81.0*		*40.6-122*		*04/22/2016 06:59*	WG865993
(S) p-Terphenyl-d14	*74.3*		*32.2-131*		*04/22/2016 06:59*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.6		1	04/19/2016 11:20	WG865850

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.132	1	04/21/2016 18:48	WG865875
(S) a,a,a-Trifluorotoluene(FID)	*96.4*		*59.0-128*		*04/21/2016 18:48*	WG865875

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0662	1	04/21/2016 12:17	WG865485
Acrylonitrile	ND		0.0132	1	04/21/2016 12:17	WG865485
Benzene	ND		0.00132	1	04/21/2016 12:17	WG865485
Bromobenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
Bromodichloromethane	ND		0.00132	1	04/21/2016 12:17	WG865485
Bromoform	ND		0.00132	1	04/21/2016 12:17	WG865485
Bromomethane	ND		0.00662	1	04/21/2016 12:17	WG865485
n-Butylbenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
sec-Butylbenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
tert-Butylbenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
Carbon tetrachloride	ND		0.00132	1	04/21/2016 12:17	WG865485
Chlorobenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
Chlorodibromomethane	ND		0.00132	1	04/21/2016 12:17	WG865485
Chloroethane	ND		0.00662	1	04/21/2016 12:17	WG865485
2-Chloroethyl vinyl ether	ND	J4	0.0662	1	04/21/2016 12:17	WG865485
Chloroform	ND		0.00662	1	04/21/2016 12:17	WG865485
Chloromethane	ND		0.00331	1	04/21/2016 12:17	WG865485
2-Chlorotoluene	ND		0.00132	1	04/21/2016 12:17	WG865485
4-Chlorotoluene	ND		0.00132	1	04/21/2016 12:17	WG865485
1,2-Dibromo-3-Chloropropane	ND		0.00662	1	04/21/2016 12:17	WG865485
1,2-Dibromoethane	ND		0.00132	1	04/21/2016 12:17	WG865485
Dibromomethane	ND		0.00132	1	04/21/2016 12:17	WG865485
1,2-Dichlorobenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
1,3-Dichlorobenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
1,4-Dichlorobenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
Dichlorodifluoromethane	ND		0.00662	1	04/21/2016 12:17	WG865485
1,1-Dichloroethane	ND		0.00132	1	04/21/2016 12:17	WG865485
1,2-Dichloroethane	ND		0.00132	1	04/21/2016 12:17	WG865485
1,1-Dichloroethene	ND		0.00132	1	04/21/2016 12:17	WG865485
cis-1,2-Dichloroethene	ND		0.00132	1	04/21/2016 12:17	WG865485
trans-1,2-Dichloroethene	ND		0.00132	1	04/21/2016 12:17	WG865485
1,2-Dichloropropane	ND		0.00132	1	04/21/2016 12:17	WG865485
1,1-Dichloropropene	ND		0.00132	1	04/21/2016 12:17	WG865485
1,3-Dichloropropane	ND		0.00132	1	04/21/2016 12:17	WG865485
cis-1,3-Dichloropropene	ND		0.00132	1	04/21/2016 12:17	WG865485
trans-1,3-Dichloropropene	ND		0.00132	1	04/21/2016 12:17	WG865485
2,2-Dichloropropane	ND		0.00132	1	04/21/2016 12:17	WG865485
Di-isopropyl ether	ND		0.00132	1	04/21/2016 12:17	WG865485
Ethylbenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
Hexachloro-1,3-butadiene	ND		0.00132	1	04/21/2016 12:17	WG865485
Isopropylbenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
p-Isopropyltoluene	ND		0.00132	1	04/21/2016 12:17	WG865485
2-Butanone (MEK)	ND		0.0132	1	04/21/2016 12:17	WG865485
Methylene Chloride	ND		0.00662	1	04/21/2016 12:17	WG865485

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0132	1	04/21/2016 12:17	WG865485
Methyl tert-butyl ether	ND		0.00132	1	04/21/2016 12:17	WG865485
Naphthalene	ND		0.00662	1	04/21/2016 12:17	WG865485
n-Propylbenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
Styrene	ND		0.00132	1	04/21/2016 12:17	WG865485
1,1,1,2-Tetrachloroethane	ND		0.00132	1	04/21/2016 12:17	WG865485
1,1,2,2-Tetrachloroethane	ND		0.00132	1	04/21/2016 12:17	WG865485
1,1,2-Trichlorotrifluoroethane	ND		0.00132	1	04/21/2016 12:17	WG865485
Tetrachloroethene	ND		0.00132	1	04/21/2016 12:17	WG865485
Toluene	ND		0.00662	1	04/21/2016 12:17	WG865485
1,2,3-Trichlorobenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
1,2,4-Trichlorobenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
1,1,1-Trichloroethane	ND		0.00132	1	04/21/2016 12:17	WG865485
1,1,2-Trichloroethane	ND		0.00132	1	04/21/2016 12:17	WG865485
Trichloroethene	ND		0.00132	1	04/21/2016 12:17	WG865485
Trichlorofluoromethane	ND		0.00662	1	04/21/2016 12:17	WG865485
1,2,3-Trichloropropane	ND		0.00331	1	04/21/2016 12:17	WG865485
1,2,4-Trimethylbenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
1,2,3-Trimethylbenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
1,3,5-Trimethylbenzene	ND		0.00132	1	04/21/2016 12:17	WG865485
Vinyl chloride	ND		0.00132	1	04/21/2016 12:17	WG865485
Xylenes, Total	ND		0.00397	1	04/21/2016 12:17	WG865485
(S) Toluene-d8	*101*		*88.7-115*		*04/21/2016 12:17*	WG865485
(S) Dibromofluoromethane	*98.6*		*76.3-123*		*04/21/2016 12:17*	WG865485
(S) a,a,a-Trifluorotoluene	*105*		*87.2-117*		*04/21/2016 12:17*	WG865485
(S) 4-Bromofluorobenzene	*104*		*69.7-129*		*04/21/2016 12:17*	WG865485

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.29	1	04/22/2016 20:40	WG865432
Residual Range Organics (RRO)	ND	J3	13.2	1	04/22/2016 20:40	WG865432
(S) o-Terphenyl	*77.9*		*50.0-150*		*04/22/2016 20:40*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00794	1	04/22/2016 07:19	WG865993
Acenaphthene	ND		0.00794	1	04/22/2016 07:19	WG865993
Acenaphthylene	ND		0.00794	1	04/22/2016 07:19	WG865993
Benzo(a)anthracene	ND		0.00794	1	04/22/2016 07:19	WG865993
Benzo(a)pyrene	ND		0.00794	1	04/22/2016 07:19	WG865993
Benzo(b)fluoranthene	ND		0.00794	1	04/22/2016 07:19	WG865993
Benzo(g,h,i)perylene	ND		0.00794	1	04/22/2016 07:19	WG865993
Benzo(k)fluoranthene	ND		0.00794	1	04/22/2016 07:19	WG865993
Chrysene	ND		0.00794	1	04/22/2016 07:19	WG865993
Dibenz(a,h)anthracene	ND		0.00794	1	04/22/2016 07:19	WG865993
Fluoranthene	ND		0.00794	1	04/22/2016 07:19	WG865993
Fluorene	ND		0.00794	1	04/22/2016 07:19	WG865993
Indeno(1,2,3-cd)pyrene	ND		0.00794	1	04/22/2016 07:19	WG865993
Naphthalene	ND		0.0265	1	04/22/2016 07:19	WG865993
Phenanthrene	ND		0.00794	1	04/22/2016 07:19	WG865993
Pyrene	ND		0.00794	1	04/22/2016 07:19	WG865993
1-Methylnaphthalene	ND		0.0265	1	04/22/2016 07:19	WG865993
2-Methylnaphthalene	ND		0.0265	1	04/22/2016 07:19	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0265	1	04/22/2016 07:19	WG865993
(S) Nitrobenzene-d5	*78.0*		*22.1-146*		*04/22/2016 07:19*	WG865993
(S) 2-Fluorobiphenyl	*78.4*		*40.6-122*		*04/22/2016 07:19*	WG865993
(S) p-Terphenyl-d14	*70.4*		*32.2-131*		*04/22/2016 07:19*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.7		1	04/19/2016 11:20	WG865850

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.134	1	04/21/2016 19:10	WG865875
(S) a,a,a-Trifluorotoluene(FID)	*96.4*		*59.0-128*		*04/21/2016 19:10*	WG865875

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0670	1	04/21/2016 12:37	WG865485
Acrylonitrile	ND		0.0134	1	04/21/2016 12:37	WG865485
Benzene	ND		0.00134	1	04/21/2016 12:37	WG865485
Bromobenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
Bromodichloromethane	ND		0.00134	1	04/21/2016 12:37	WG865485
Bromoform	ND		0.00134	1	04/21/2016 12:37	WG865485
Bromomethane	ND		0.00670	1	04/21/2016 12:37	WG865485
n-Butylbenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
sec-Butylbenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
tert-Butylbenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
Carbon tetrachloride	ND		0.00134	1	04/21/2016 12:37	WG865485
Chlorobenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
Chlorodibromomethane	ND		0.00134	1	04/21/2016 12:37	WG865485
Chloroethane	ND		0.00670	1	04/21/2016 12:37	WG865485
2-Chloroethyl vinyl ether	ND	J4	0.0670	1	04/21/2016 12:37	WG865485
Chloroform	ND		0.00670	1	04/21/2016 12:37	WG865485
Chloromethane	ND		0.00335	1	04/21/2016 12:37	WG865485
2-Chlorotoluene	ND		0.00134	1	04/21/2016 12:37	WG865485
4-Chlorotoluene	ND		0.00134	1	04/21/2016 12:37	WG865485
1,2-Dibromo-3-Chloropropane	ND		0.00670	1	04/21/2016 12:37	WG865485
1,2-Dibromoethane	ND		0.00134	1	04/21/2016 12:37	WG865485
Dibromomethane	ND		0.00134	1	04/21/2016 12:37	WG865485
1,2-Dichlorobenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
1,3-Dichlorobenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
1,4-Dichlorobenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
Dichlorodifluoromethane	ND		0.00670	1	04/21/2016 12:37	WG865485
1,1-Dichloroethane	ND		0.00134	1	04/21/2016 12:37	WG865485
1,2-Dichloroethane	ND		0.00134	1	04/21/2016 12:37	WG865485
1,1-Dichloroethene	ND		0.00134	1	04/21/2016 12:37	WG865485
cis-1,2-Dichloroethene	ND		0.00134	1	04/21/2016 12:37	WG865485
trans-1,2-Dichloroethene	ND		0.00134	1	04/21/2016 12:37	WG865485
1,2-Dichloropropane	ND		0.00134	1	04/21/2016 12:37	WG865485
1,1-Dichloropropene	ND		0.00134	1	04/21/2016 12:37	WG865485
1,3-Dichloropropane	ND		0.00134	1	04/21/2016 12:37	WG865485
cis-1,3-Dichloropropene	ND		0.00134	1	04/21/2016 12:37	WG865485
trans-1,3-Dichloropropene	ND		0.00134	1	04/21/2016 12:37	WG865485
2,2-Dichloropropane	ND		0.00134	1	04/21/2016 12:37	WG865485
Di-isopropyl ether	ND		0.00134	1	04/21/2016 12:37	WG865485
Ethylbenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
Hexachloro-1,3-butadiene	ND		0.00134	1	04/21/2016 12:37	WG865485
Isopropylbenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
p-Isopropyltoluene	ND		0.00134	1	04/21/2016 12:37	WG865485
2-Butanone (MEK)	ND		0.0134	1	04/21/2016 12:37	WG865485
Methylene Chloride	ND		0.00670	1	04/21/2016 12:37	WG865485

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0134	1	04/21/2016 12:37	WG865485
Methyl tert-butyl ether	ND		0.00134	1	04/21/2016 12:37	WG865485
Naphthalene	ND		0.00670	1	04/21/2016 12:37	WG865485
n-Propylbenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
Styrene	ND		0.00134	1	04/21/2016 12:37	WG865485
1,1,1,2-Tetrachloroethane	ND		0.00134	1	04/21/2016 12:37	WG865485
1,1,2,2-Tetrachloroethane	ND		0.00134	1	04/21/2016 12:37	WG865485
1,1,2-Trichlorotrifluoroethane	ND		0.00134	1	04/21/2016 12:37	WG865485
Tetrachloroethene	ND		0.00134	1	04/21/2016 12:37	WG865485
Toluene	ND		0.00670	1	04/21/2016 12:37	WG865485
1,2,3-Trichlorobenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
1,2,4-Trichlorobenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
1,1,1-Trichloroethane	ND		0.00134	1	04/21/2016 12:37	WG865485
1,1,2-Trichloroethane	ND		0.00134	1	04/21/2016 12:37	WG865485
Trichloroethene	ND		0.00134	1	04/21/2016 12:37	WG865485
Trichlorofluoromethane	ND		0.00670	1	04/21/2016 12:37	WG865485
1,2,3-Trichloropropane	ND		0.00335	1	04/21/2016 12:37	WG865485
1,2,4-Trimethylbenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
1,2,3-Trimethylbenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
1,3,5-Trimethylbenzene	ND		0.00134	1	04/21/2016 12:37	WG865485
Vinyl chloride	ND		0.00134	1	04/21/2016 12:37	WG865485
Xylenes, Total	ND		0.00402	1	04/21/2016 12:37	WG865485
(S) Toluene-d8	*99.6*		*88.7-115*		*04/21/2016 12:37*	WG865485
(S) Dibromofluoromethane	*98.2*		*76.3-123*		*04/21/2016 12:37*	WG865485
(S) a,a,a-Trifluorotoluene	*105*		*87.2-117*		*04/21/2016 12:37*	WG865485
(S) 4-Bromofluorobenzene	*100*		*69.7-129*		*04/21/2016 12:37*	WG865485

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.36	1	04/22/2016 20:52	WG865432
Residual Range Organics (RRO)	ND	J3	13.4	1	04/22/2016 20:52	WG865432
(S) o-Terphenyl	*52.5*		*50.0-150*		*04/22/2016 20:52*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00803	1	04/22/2016 07:40	WG865993
Acenaphthene	ND		0.00803	1	04/22/2016 07:40	WG865993
Acenaphthylene	ND		0.00803	1	04/22/2016 07:40	WG865993
Benzo(a)anthracene	ND		0.00803	1	04/22/2016 07:40	WG865993
Benzo(a)pyrene	ND		0.00803	1	04/22/2016 07:40	WG865993
Benzo(b)fluoranthene	ND		0.00803	1	04/22/2016 07:40	WG865993
Benzo(g,h,i)perylene	ND		0.00803	1	04/22/2016 07:40	WG865993
Benzo(k)fluoranthene	ND		0.00803	1	04/22/2016 07:40	WG865993
Chrysene	ND		0.00803	1	04/22/2016 07:40	WG865993
Dibenz(a,h)anthracene	ND		0.00803	1	04/22/2016 07:40	WG865993
Fluoranthene	ND		0.00803	1	04/22/2016 07:40	WG865993
Fluorene	ND		0.00803	1	04/22/2016 07:40	WG865993
Indeno(1,2,3-cd)pyrene	ND		0.00803	1	04/22/2016 07:40	WG865993
Naphthalene	ND		0.0268	1	04/22/2016 07:40	WG865993
Phenanthrene	ND		0.00803	1	04/22/2016 07:40	WG865993
Pyrene	ND		0.00803	1	04/22/2016 07:40	WG865993
1-Methylnaphthalene	ND		0.0268	1	04/22/2016 07:40	WG865993
2-Methylnaphthalene	ND		0.0268	1	04/22/2016 07:40	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0268	1	04/22/2016 07:40	WG865993
(S) Nitrobenzene-d5	*78.3*		*22.1-146*		*04/22/2016 07:40*	WG865993
(S) 2-Fluorobiphenyl	*76.9*		*40.6-122*		*04/22/2016 07:40*	WG865993
(S) p-Terphenyl-d14	*66.0*		*32.2-131*		*04/22/2016 07:40*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	71.8		1	04/19/2016 11:20	WG865850

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.139	1	04/21/2016 19:32	WG865875
(S) a,a,a-Trifluorotoluene(FID)	*96.4*		*59.0-128*		*04/21/2016 19:32*	WG865875

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0696	1	04/21/2016 12:56	WG865485
Acrylonitrile	ND		0.0139	1	04/21/2016 12:56	WG865485
Benzene	ND		0.00139	1	04/21/2016 12:56	WG865485
Bromobenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
Bromodichloromethane	ND		0.00139	1	04/21/2016 12:56	WG865485
Bromoform	ND		0.00139	1	04/21/2016 12:56	WG865485
Bromomethane	ND		0.00696	1	04/21/2016 12:56	WG865485
n-Butylbenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
sec-Butylbenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
tert-Butylbenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
Carbon tetrachloride	ND		0.00139	1	04/21/2016 12:56	WG865485
Chlorobenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
Chlorodibromomethane	ND		0.00139	1	04/21/2016 12:56	WG865485
Chloroethane	ND		0.00696	1	04/21/2016 12:56	WG865485
2-Chloroethyl vinyl ether	ND	J4	0.0696	1	04/21/2016 12:56	WG865485
Chloroform	ND		0.00696	1	04/21/2016 12:56	WG865485
Chloromethane	ND		0.00348	1	04/21/2016 12:56	WG865485
2-Chlorotoluene	ND		0.00139	1	04/21/2016 12:56	WG865485
4-Chlorotoluene	ND		0.00139	1	04/21/2016 12:56	WG865485
1,2-Dibromo-3-Chloropropane	ND		0.00696	1	04/21/2016 12:56	WG865485
1,2-Dibromoethane	ND		0.00139	1	04/21/2016 12:56	WG865485
Dibromomethane	ND		0.00139	1	04/21/2016 12:56	WG865485
1,2-Dichlorobenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
1,3-Dichlorobenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
1,4-Dichlorobenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
Dichlorodifluoromethane	ND		0.00696	1	04/21/2016 12:56	WG865485
1,1-Dichloroethane	ND		0.00139	1	04/21/2016 12:56	WG865485
1,2-Dichloroethane	ND		0.00139	1	04/21/2016 12:56	WG865485
1,1-Dichloroethene	ND		0.00139	1	04/21/2016 12:56	WG865485
cis-1,2-Dichloroethene	ND		0.00139	1	04/21/2016 12:56	WG865485
trans-1,2-Dichloroethene	ND		0.00139	1	04/21/2016 12:56	WG865485
1,2-Dichloropropane	ND		0.00139	1	04/21/2016 12:56	WG865485
1,1-Dichloropropene	ND		0.00139	1	04/21/2016 12:56	WG865485
1,3-Dichloropropane	ND		0.00139	1	04/21/2016 12:56	WG865485
cis-1,3-Dichloropropene	ND		0.00139	1	04/21/2016 12:56	WG865485
trans-1,3-Dichloropropene	ND		0.00139	1	04/21/2016 12:56	WG865485
2,2-Dichloropropane	ND		0.00139	1	04/21/2016 12:56	WG865485
Di-isopropyl ether	ND		0.00139	1	04/21/2016 12:56	WG865485
Ethylbenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
Hexachloro-1,3-butadiene	ND		0.00139	1	04/21/2016 12:56	WG865485
Isopropylbenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
p-Isopropyltoluene	ND		0.00139	1	04/21/2016 12:56	WG865485
2-Butanone (MEK)	ND		0.0139	1	04/21/2016 12:56	WG865485
Methylene Chloride	ND		0.00696	1	04/21/2016 12:56	WG865485

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0139	1	04/21/2016 12:56	WG865485
Methyl tert-butyl ether	ND		0.00139	1	04/21/2016 12:56	WG865485
Naphthalene	ND		0.00696	1	04/21/2016 12:56	WG865485
n-Propylbenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
Styrene	ND		0.00139	1	04/21/2016 12:56	WG865485
1,1,1,2-Tetrachloroethane	ND		0.00139	1	04/21/2016 12:56	WG865485
1,1,2,2-Tetrachloroethane	ND		0.00139	1	04/21/2016 12:56	WG865485
1,1,2-Trichlorotrifluoroethane	ND		0.00139	1	04/21/2016 12:56	WG865485
Tetrachloroethene	ND		0.00139	1	04/21/2016 12:56	WG865485
Toluene	ND		0.00696	1	04/21/2016 12:56	WG865485
1,2,3-Trichlorobenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
1,2,4-Trichlorobenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
1,1,1-Trichloroethane	ND		0.00139	1	04/21/2016 12:56	WG865485
1,1,2-Trichloroethane	ND		0.00139	1	04/21/2016 12:56	WG865485
Trichloroethene	ND		0.00139	1	04/21/2016 12:56	WG865485
Trichlorofluoromethane	ND		0.00696	1	04/21/2016 12:56	WG865485
1,2,3-Trichloropropane	ND		0.00348	1	04/21/2016 12:56	WG865485
1,2,4-Trimethylbenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
1,2,3-Trimethylbenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
1,3,5-Trimethylbenzene	ND		0.00139	1	04/21/2016 12:56	WG865485
Vinyl chloride	ND		0.00139	1	04/21/2016 12:56	WG865485
Xylenes, Total	ND		0.00418	1	04/21/2016 12:56	WG865485
(S) Toluene-d8	*103*		*88.7-115*		*04/21/2016 12:56*	WG865485
(S) Dibromofluoromethane	*98.4*		*76.3-123*		*04/21/2016 12:56*	WG865485
(S) a,a,a-Trifluorotoluene	*107*		*87.2-117*		*04/21/2016 12:56*	WG865485
(S) 4-Bromofluorobenzene	*101*		*69.7-129*		*04/21/2016 12:56*	WG865485

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.57	1	04/23/2016 00:51	WG865432
Residual Range Organics (RRO)	29.3	J3	13.9	1	04/23/2016 00:51	WG865432
(S) o-Terphenyl	*102*		*50.0-150*		*04/23/2016 00:51*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0167	2	04/22/2016 11:49	WG865993
Acenaphthene	ND		0.0167	2	04/22/2016 11:49	WG865993
Acenaphthylene	ND		0.0167	2	04/22/2016 11:49	WG865993
Benzo(a)anthracene	ND		0.0167	2	04/22/2016 11:49	WG865993
Benzo(a)pyrene	ND		0.0167	2	04/22/2016 11:49	WG865993
Benzo(b)fluoranthene	ND		0.0167	2	04/22/2016 11:49	WG865993
Benzo(g,h,i)perylene	ND		0.0167	2	04/22/2016 11:49	WG865993
Benzo(k)fluoranthene	ND		0.0167	2	04/22/2016 11:49	WG865993
Chrysene	ND		0.0167	2	04/22/2016 11:49	WG865993
Dibenz(a,h)anthracene	ND		0.0167	2	04/22/2016 11:49	WG865993
Fluoranthene	ND		0.0167	2	04/22/2016 11:49	WG865993
Fluorene	ND		0.0167	2	04/22/2016 11:49	WG865993
Indeno(1,2,3-cd)pyrene	ND		0.0167	2	04/22/2016 11:49	WG865993
Naphthalene	ND		0.0557	2	04/22/2016 11:49	WG865993
Phenanthrene	ND		0.0167	2	04/22/2016 11:49	WG865993
Pyrene	ND		0.0167	2	04/22/2016 11:49	WG865993
1-Methylnaphthalene	ND		0.0557	2	04/22/2016 11:49	WG865993
2-Methylnaphthalene	ND		0.0557	2	04/22/2016 11:49	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0557	2	04/22/2016 11:49	WG865993
(S) Nitrobenzene-d5	*77.3*		*22.1-146*		*04/22/2016 11:49*	WG865993
(S) 2-Fluorobiphenyl	*76.0*		*40.6-122*		*04/22/2016 11:49*	WG865993
(S) p-Terphenyl-d14	*63.0*		*32.2-131*		*04/22/2016 11:49*	WG865993

Sample Narrative:

8270D-SIM L830143-14 WG865993: Dilution due to matrix

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.1		1	04/19/2016 11:20	WG865850

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.104	1	04/21/2016 19:54	WG865875
(S) a,a,a-Trifluorotoluene(FID)	*96.7*		*59.0-128*		*04/21/2016 19:54*	WG865875

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0520	1	04/21/2016 13:15	WG865485
Acrylonitrile	ND		0.0104	1	04/21/2016 13:15	WG865485
Benzene	ND		0.00104	1	04/21/2016 13:15	WG865485
Bromobenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
Bromodichloromethane	ND		0.00104	1	04/21/2016 13:15	WG865485
Bromoform	ND		0.00104	1	04/21/2016 13:15	WG865485
Bromomethane	ND		0.00520	1	04/21/2016 13:15	WG865485
n-Butylbenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
sec-Butylbenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
tert-Butylbenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
Carbon tetrachloride	ND		0.00104	1	04/21/2016 13:15	WG865485
Chlorobenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
Chlorodibromomethane	ND		0.00104	1	04/21/2016 13:15	WG865485
Chloroethane	ND		0.00520	1	04/21/2016 13:15	WG865485
2-Chloroethyl vinyl ether	ND	J4	0.0520	1	04/21/2016 13:15	WG865485
Chloroform	ND		0.00520	1	04/21/2016 13:15	WG865485
Chloromethane	ND		0.00260	1	04/21/2016 13:15	WG865485
2-Chlorotoluene	ND		0.00104	1	04/21/2016 13:15	WG865485
4-Chlorotoluene	ND		0.00104	1	04/21/2016 13:15	WG865485
1,2-Dibromo-3-Chloropropane	ND		0.00520	1	04/21/2016 13:15	WG865485
1,2-Dibromoethane	ND		0.00104	1	04/21/2016 13:15	WG865485
Dibromomethane	ND		0.00104	1	04/21/2016 13:15	WG865485
1,2-Dichlorobenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
1,3-Dichlorobenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
1,4-Dichlorobenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
Dichlorodifluoromethane	ND		0.00520	1	04/21/2016 13:15	WG865485
1,1-Dichloroethane	ND		0.00104	1	04/21/2016 13:15	WG865485
1,2-Dichloroethane	ND		0.00104	1	04/21/2016 13:15	WG865485
1,1-Dichloroethene	ND		0.00104	1	04/21/2016 13:15	WG865485
cis-1,2-Dichloroethene	ND		0.00104	1	04/21/2016 13:15	WG865485
trans-1,2-Dichloroethene	ND		0.00104	1	04/21/2016 13:15	WG865485
1,2-Dichloropropane	ND		0.00104	1	04/21/2016 13:15	WG865485
1,1-Dichloropropene	ND		0.00104	1	04/21/2016 13:15	WG865485
1,3-Dichloropropane	ND		0.00104	1	04/21/2016 13:15	WG865485
cis-1,3-Dichloropropene	ND		0.00104	1	04/21/2016 13:15	WG865485
trans-1,3-Dichloropropene	ND		0.00104	1	04/21/2016 13:15	WG865485
2,2-Dichloropropane	ND		0.00104	1	04/21/2016 13:15	WG865485
Di-isopropyl ether	ND		0.00104	1	04/21/2016 13:15	WG865485
Ethylbenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
Hexachloro-1,3-butadiene	ND		0.00104	1	04/21/2016 13:15	WG865485
Isopropylbenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
p-Isopropyltoluene	ND		0.00104	1	04/21/2016 13:15	WG865485
2-Butanone (MEK)	ND		0.0104	1	04/21/2016 13:15	WG865485
Methylene Chloride	ND		0.00520	1	04/21/2016 13:15	WG865485

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0104	1	04/21/2016 13:15	WG865485
Methyl tert-butyl ether	ND		0.00104	1	04/21/2016 13:15	WG865485
Naphthalene	ND		0.00520	1	04/21/2016 13:15	WG865485
n-Propylbenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
Styrene	ND		0.00104	1	04/21/2016 13:15	WG865485
1,1,1,2-Tetrachloroethane	ND		0.00104	1	04/21/2016 13:15	WG865485
1,1,2,2-Tetrachloroethane	ND		0.00104	1	04/21/2016 13:15	WG865485
1,1,2-Trichlorotrifluoroethane	ND		0.00104	1	04/21/2016 13:15	WG865485
Tetrachloroethene	ND		0.00104	1	04/21/2016 13:15	WG865485
Toluene	ND		0.00520	1	04/21/2016 13:15	WG865485
1,2,3-Trichlorobenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
1,2,4-Trichlorobenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
1,1,1-Trichloroethane	ND		0.00104	1	04/21/2016 13:15	WG865485
1,1,2-Trichloroethane	ND		0.00104	1	04/21/2016 13:15	WG865485
Trichloroethene	ND		0.00104	1	04/21/2016 13:15	WG865485
Trichlorofluoromethane	ND		0.00520	1	04/21/2016 13:15	WG865485
1,2,3-Trichloropropane	ND		0.00260	1	04/21/2016 13:15	WG865485
1,2,4-Trimethylbenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
1,2,3-Trimethylbenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
1,3,5-Trimethylbenzene	ND		0.00104	1	04/21/2016 13:15	WG865485
Vinyl chloride	ND		0.00104	1	04/21/2016 13:15	WG865485
Xylenes, Total	ND		0.00312	1	04/21/2016 13:15	WG865485
(S) Toluene-d8	*101*		*88.7-115*		*04/21/2016 13:15*	WG865485
(S) Dibromofluoromethane	*99.1*		*76.3-123*		*04/21/2016 13:15*	WG865485
(S) a,a,a-Trifluorotoluene	*106*		*87.2-117*		*04/21/2016 13:15*	WG865485
(S) 4-Bromofluorobenzene	*107*		*69.7-129*		*04/21/2016 13:15*	WG865485

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		4.16	1	04/22/2016 21:04	WG865432
Residual Range Organics (RRO)	ND	J3	10.4	1	04/22/2016 21:04	WG865432
(S) o-Terphenyl	*86.6*		*50.0-150*		*04/22/2016 21:04*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00625	1	04/22/2016 08:01	WG865993
Acenaphthene	ND		0.00625	1	04/22/2016 08:01	WG865993
Acenaphthylene	ND		0.00625	1	04/22/2016 08:01	WG865993
Benzo(a)anthracene	ND		0.00625	1	04/22/2016 08:01	WG865993
Benzo(a)pyrene	ND		0.00625	1	04/22/2016 08:01	WG865993
Benzo(b)fluoranthene	ND		0.00625	1	04/22/2016 08:01	WG865993
Benzo(g,h,i)perylene	ND		0.00625	1	04/22/2016 08:01	WG865993
Benzo(k)fluoranthene	ND		0.00625	1	04/22/2016 08:01	WG865993
Chrysene	ND		0.00625	1	04/22/2016 08:01	WG865993
Dibenz(a,h)anthracene	ND		0.00625	1	04/22/2016 08:01	WG865993
Fluoranthene	ND		0.00625	1	04/22/2016 08:01	WG865993
Fluorene	ND		0.00625	1	04/22/2016 08:01	WG865993
Indeno(1,2,3-cd)pyrene	ND		0.00625	1	04/22/2016 08:01	WG865993
Naphthalene	ND		0.0208	1	04/22/2016 08:01	WG865993
Phenanthrene	ND		0.00625	1	04/22/2016 08:01	WG865993
Pyrene	ND		0.00625	1	04/22/2016 08:01	WG865993
1-Methylnaphthalene	ND		0.0208	1	04/22/2016 08:01	WG865993
2-Methylnaphthalene	ND		0.0208	1	04/22/2016 08:01	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0208	1	04/22/2016 08:01	WG865993
(S) Nitrobenzene-d5	*72.0*		*22.1-146*		*04/22/2016 08:01*	WG865993
(S) 2-Fluorobiphenyl	*71.5*		*40.6-122*		*04/22/2016 08:01*	WG865993
(S) p-Terphenyl-d14	*63.3*		*32.2-131*		*04/22/2016 08:01*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.5		1	04/19/2016 11:20	WG865850

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.110	1	04/21/2016 20:16	WG865875
(S) a,a,a-Trifluorotoluene(FID)	*95.7*		*59.0-128*		*04/21/2016 20:16*	WG865875

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0552	1	04/21/2016 13:34	WG865485
Acrylonitrile	ND		0.0110	1	04/21/2016 13:34	WG865485
Benzene	ND		0.00110	1	04/21/2016 13:34	WG865485
Bromobenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
Bromodichloromethane	ND		0.00110	1	04/21/2016 13:34	WG865485
Bromoform	ND		0.00110	1	04/21/2016 13:34	WG865485
Bromomethane	ND		0.00552	1	04/21/2016 13:34	WG865485
n-Butylbenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
sec-Butylbenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
tert-Butylbenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
Carbon tetrachloride	ND		0.00110	1	04/21/2016 13:34	WG865485
Chlorobenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
Chlorodibromomethane	ND		0.00110	1	04/21/2016 13:34	WG865485
Chloroethane	ND		0.00552	1	04/21/2016 13:34	WG865485
2-Chloroethyl vinyl ether	ND	J4	0.0552	1	04/21/2016 13:34	WG865485
Chloroform	ND		0.00552	1	04/21/2016 13:34	WG865485
Chloromethane	ND		0.00276	1	04/21/2016 13:34	WG865485
2-Chlorotoluene	ND		0.00110	1	04/21/2016 13:34	WG865485
4-Chlorotoluene	ND		0.00110	1	04/21/2016 13:34	WG865485
1,2-Dibromo-3-Chloropropane	ND		0.00552	1	04/21/2016 13:34	WG865485
1,2-Dibromoethane	ND		0.00110	1	04/21/2016 13:34	WG865485
Dibromomethane	ND		0.00110	1	04/21/2016 13:34	WG865485
1,2-Dichlorobenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
1,3-Dichlorobenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
1,4-Dichlorobenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
Dichlorodifluoromethane	ND		0.00552	1	04/21/2016 13:34	WG865485
1,1-Dichloroethane	ND		0.00110	1	04/21/2016 13:34	WG865485
1,2-Dichloroethane	ND		0.00110	1	04/21/2016 13:34	WG865485
1,1-Dichloroethene	ND		0.00110	1	04/21/2016 13:34	WG865485
cis-1,2-Dichloroethene	ND		0.00110	1	04/21/2016 13:34	WG865485
trans-1,2-Dichloroethene	ND		0.00110	1	04/21/2016 13:34	WG865485
1,2-Dichloropropane	ND		0.00110	1	04/21/2016 13:34	WG865485
1,1-Dichloropropene	ND		0.00110	1	04/21/2016 13:34	WG865485
1,3-Dichloropropane	ND		0.00110	1	04/21/2016 13:34	WG865485
cis-1,3-Dichloropropene	ND		0.00110	1	04/21/2016 13:34	WG865485
trans-1,3-Dichloropropene	ND		0.00110	1	04/21/2016 13:34	WG865485
2,2-Dichloropropane	ND		0.00110	1	04/21/2016 13:34	WG865485
Di-isopropyl ether	ND		0.00110	1	04/21/2016 13:34	WG865485
Ethylbenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
Hexachloro-1,3-butadiene	ND		0.00110	1	04/21/2016 13:34	WG865485
Isopropylbenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
p-Isopropyltoluene	ND		0.00110	1	04/21/2016 13:34	WG865485
2-Butanone (MEK)	ND		0.0110	1	04/21/2016 13:34	WG865485
Methylene Chloride	ND		0.00552	1	04/21/2016 13:34	WG865485

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0110	1	04/21/2016 13:34	WG865485
Methyl tert-butyl ether	ND		0.00110	1	04/21/2016 13:34	WG865485
Naphthalene	ND		0.00552	1	04/21/2016 13:34	WG865485
n-Propylbenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
Styrene	ND		0.00110	1	04/21/2016 13:34	WG865485
1,1,1,2-Tetrachloroethane	ND		0.00110	1	04/21/2016 13:34	WG865485
1,1,2,2-Tetrachloroethane	ND		0.00110	1	04/21/2016 13:34	WG865485
1,1,2-Trichlorotrifluoroethane	ND		0.00110	1	04/21/2016 13:34	WG865485
Tetrachloroethene	ND		0.00110	1	04/21/2016 13:34	WG865485
Toluene	ND		0.00552	1	04/21/2016 13:34	WG865485
1,2,3-Trichlorobenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
1,2,4-Trichlorobenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
1,1,1-Trichloroethane	ND		0.00110	1	04/21/2016 13:34	WG865485
1,1,2-Trichloroethane	ND		0.00110	1	04/21/2016 13:34	WG865485
Trichloroethene	ND		0.00110	1	04/21/2016 13:34	WG865485
Trichlorofluoromethane	ND		0.00552	1	04/21/2016 13:34	WG865485
1,2,3-Trichloropropane	ND		0.00276	1	04/21/2016 13:34	WG865485
1,2,4-Trimethylbenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
1,2,3-Trimethylbenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
1,3,5-Trimethylbenzene	ND		0.00110	1	04/21/2016 13:34	WG865485
Vinyl chloride	ND		0.00110	1	04/21/2016 13:34	WG865485
Xylenes, Total	ND		0.00331	1	04/21/2016 13:34	WG865485
(S) Toluene-d8	*99.2*		*88.7-115*		*04/21/2016 13:34*	WG865485
(S) Dibromofluoromethane	*97.9*		*76.3-123*		*04/21/2016 13:34*	WG865485
(S) a,a,a-Trifluorotoluene	*105*		*87.2-117*		*04/21/2016 13:34*	WG865485
(S) 4-Bromofluorobenzene	*99.7*		*69.7-129*		*04/21/2016 13:34*	WG865485

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		4.42	1	04/22/2016 21:16	WG865432
Residual Range Organics (RRO)	ND	J3	11.0	1	04/22/2016 21:16	WG865432
(S) o-Terphenyl	*85.5*		*50.0-150*		*04/22/2016 21:16*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00663	1	04/22/2016 08:22	WG865993
Acenaphthene	ND		0.00663	1	04/22/2016 08:22	WG865993
Acenaphthylene	ND		0.00663	1	04/22/2016 08:22	WG865993
Benzo(a)anthracene	ND		0.00663	1	04/22/2016 08:22	WG865993
Benzo(a)pyrene	ND		0.00663	1	04/22/2016 08:22	WG865993
Benzo(b)fluoranthene	ND		0.00663	1	04/22/2016 08:22	WG865993
Benzo(g,h,i)perylene	ND		0.00663	1	04/22/2016 08:22	WG865993
Benzo(k)fluoranthene	ND		0.00663	1	04/22/2016 08:22	WG865993
Chrysene	ND		0.00663	1	04/22/2016 08:22	WG865993
Dibenz(a,h)anthracene	ND		0.00663	1	04/22/2016 08:22	WG865993
Fluoranthene	ND		0.00663	1	04/22/2016 08:22	WG865993
Fluorene	ND		0.00663	1	04/22/2016 08:22	WG865993
Indeno(1,2,3-cd)pyrene	ND		0.00663	1	04/22/2016 08:22	WG865993
Naphthalene	ND		0.0221	1	04/22/2016 08:22	WG865993
Phenanthrene	ND		0.00663	1	04/22/2016 08:22	WG865993
Pyrene	ND		0.00663	1	04/22/2016 08:22	WG865993
1-Methylnaphthalene	ND		0.0221	1	04/22/2016 08:22	WG865993
2-Methylnaphthalene	ND		0.0221	1	04/22/2016 08:22	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0221	1	04/22/2016 08:22	WG865993
(S) Nitrobenzene-d5	*88.0*		*22.1-146*		*04/22/2016 08:22*	WG865993
(S) 2-Fluorobiphenyl	*87.2*		*40.6-122*		*04/22/2016 08:22*	WG865993
(S) p-Terphenyl-d14	*76.7*		*32.2-131*		*04/22/2016 08:22*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.9		1	04/19/2016 11:08	WG865851

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.130	1	04/21/2016 20:39	WG865875
(S) a,a,a-Trifluorotoluene(FID)	*96.3*		*59.0-128*		*04/21/2016 20:39*	WG865875

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0657	1.01	04/21/2016 13:54	WG865485
Acrylonitrile	ND		0.0131	1.01	04/21/2016 13:54	WG865485
Benzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Bromobenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Bromodichloromethane	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Bromoform	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Bromomethane	ND		0.00657	1.01	04/21/2016 13:54	WG865485
n-Butylbenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
sec-Butylbenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
tert-Butylbenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Carbon tetrachloride	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Chlorobenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Chlorodibromomethane	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Chloroethane	ND		0.00657	1.01	04/21/2016 13:54	WG865485
2-Chloroethyl vinyl ether	ND	J4	0.0657	1.01	04/21/2016 13:54	WG865485
Chloroform	ND		0.00657	1.01	04/21/2016 13:54	WG865485
Chloromethane	ND		0.00328	1.01	04/21/2016 13:54	WG865485
2-Chlorotoluene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
4-Chlorotoluene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,2-Dibromo-3-Chloropropane	ND		0.00657	1.01	04/21/2016 13:54	WG865485
1,2-Dibromoethane	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Dibromomethane	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,2-Dichlorobenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,3-Dichlorobenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,4-Dichlorobenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Dichlorodifluoromethane	ND		0.00657	1.01	04/21/2016 13:54	WG865485
1,1-Dichloroethane	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,2-Dichloroethane	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,1-Dichloroethene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
cis-1,2-Dichloroethene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
trans-1,2-Dichloroethene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,2-Dichloropropane	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,1-Dichloropropene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,3-Dichloropropane	ND		0.00131	1.01	04/21/2016 13:54	WG865485
cis-1,3-Dichloropropene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
trans-1,3-Dichloropropene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
2,2-Dichloropropane	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Di-isopropyl ether	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Ethylbenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Hexachloro-1,3-butadiene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Isopropylbenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
p-Isopropyltoluene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
2-Butanone (MEK)	ND		0.0131	1.01	04/21/2016 13:54	WG865485
Methylene Chloride	ND		0.00657	1.01	04/21/2016 13:54	WG865485

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0131	1.01	04/21/2016 13:54	WG865485
Methyl tert-butyl ether	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Naphthalene	ND		0.00657	1.01	04/21/2016 13:54	WG865485
n-Propylbenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Styrene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,1,1,2-Tetrachloroethane	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,1,2,2-Tetrachloroethane	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,1,2-Trichlorotrifluoroethane	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Tetrachloroethene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Toluene	ND		0.00657	1.01	04/21/2016 13:54	WG865485
1,2,3-Trichlorobenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,2,4-Trichlorobenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,1,1-Trichloroethane	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,1,2-Trichloroethane	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Trichloroethene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Trichlorofluoromethane	ND		0.00657	1.01	04/21/2016 13:54	WG865485
1,2,3-Trichloropropane	ND		0.00328	1.01	04/21/2016 13:54	WG865485
1,2,4-Trimethylbenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,2,3-Trimethylbenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
1,3,5-Trimethylbenzene	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Vinyl chloride	ND		0.00131	1.01	04/21/2016 13:54	WG865485
Xylenes, Total	ND		0.00394	1.01	04/21/2016 13:54	WG865485
(S) Toluene-d8	*101*		*88.7-115*		*04/21/2016 13:54*	WG865485
(S) Dibromofluoromethane	*100*		*76.3-123*		*04/21/2016 13:54*	WG865485
(S) a,a,a-Trifluorotoluene	*104*		*87.2-117*		*04/21/2016 13:54*	WG865485
(S) 4-Bromofluorobenzene	*101*		*69.7-129*		*04/21/2016 13:54*	WG865485

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.20	1	04/22/2016 21:30	WG865432
Residual Range Organics (RRO)	ND	J3	13.0	1	04/22/2016 21:30	WG865432
(S) o-Terphenyl	*75.2*		*50.0-150*		*04/22/2016 21:30*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND	J3	0.00780	1	04/22/2016 13:12	WG865993
Acenaphthene	ND		0.00780	1	04/22/2016 13:12	WG865993
Acenaphthylene	ND		0.00780	1	04/22/2016 13:12	WG865993
Benzo(a)anthracene	ND	J3	0.00780	1	04/22/2016 13:12	WG865993
Benzo(a)pyrene	ND	J3	0.00780	1	04/22/2016 13:12	WG865993
Benzo(b)fluoranthene	ND	J3	0.00780	1	04/22/2016 13:12	WG865993
Benzo(g,h,i)perylene	ND	J3	0.00780	1	04/22/2016 13:12	WG865993
Benzo(k)fluoranthene	ND	J3	0.00780	1	04/22/2016 13:12	WG865993
Chrysene	ND	J3	0.00780	1	04/22/2016 13:12	WG865993
Dibenz(a,h)anthracene	ND	J3	0.00780	1	04/22/2016 13:12	WG865993
Fluoranthene	ND	J3	0.00780	1	04/22/2016 13:12	WG865993
Fluorene	ND	J3	0.00780	1	04/22/2016 13:12	WG865993
Indeno(1,2,3-cd)pyrene	ND	J3	0.00780	1	04/22/2016 13:12	WG865993
Naphthalene	ND		0.0260	1	04/22/2016 13:12	WG865993
Phenanthrene	ND	J3	0.00780	1	04/22/2016 13:12	WG865993
Pyrene	ND	J3	0.00780	1	04/22/2016 13:12	WG865993
1-Methylnaphthalene	ND		0.0260	1	04/22/2016 13:12	WG865993
2-Methylnaphthalene	ND		0.0260	1	04/22/2016 13:12	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0260	1	04/22/2016 13:12	WG865993
(S) Nitrobenzene-d5	*66.9*		*22.1-146*		*04/22/2016 13:12*	WG865993
(S) 2-Fluorobiphenyl	*70.1*		*40.6-122*		*04/22/2016 13:12*	WG865993
(S) p-Terphenyl-d14	*47.2*		*32.2-131*		*04/22/2016 13:12*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	71.4		1	04/19/2016 11:08	WG865851

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.169	1.21	04/21/2016 21:01	WG865875
(S) a,a,a-Trifluorotoluene(FID)	*96.1*		*59.0-128*		*04/21/2016 21:01*	WG865875

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0770	1.1	04/21/2016 14:13	WG865485
Acrylonitrile	ND		0.0154	1.1	04/21/2016 14:13	WG865485
Benzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Bromobenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Bromodichloromethane	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Bromoform	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Bromomethane	ND		0.00770	1.1	04/21/2016 14:13	WG865485
n-Butylbenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
sec-Butylbenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
tert-Butylbenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Carbon tetrachloride	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Chlorobenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Chlorodibromomethane	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Chloroethane	ND		0.00770	1.1	04/21/2016 14:13	WG865485
2-Chloroethyl vinyl ether	ND	J4	0.0770	1.1	04/21/2016 14:13	WG865485
Chloroform	ND		0.00770	1.1	04/21/2016 14:13	WG865485
Chloromethane	ND		0.00385	1.1	04/21/2016 14:13	WG865485
2-Chlorotoluene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
4-Chlorotoluene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,2-Dibromo-3-Chloropropane	ND		0.00770	1.1	04/21/2016 14:13	WG865485
1,2-Dibromoethane	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Dibromomethane	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,2-Dichlorobenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,3-Dichlorobenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,4-Dichlorobenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Dichlorodifluoromethane	ND		0.00770	1.1	04/21/2016 14:13	WG865485
1,1-Dichloroethane	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,2-Dichloroethane	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,1-Dichloroethene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
cis-1,2-Dichloroethene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
trans-1,2-Dichloroethene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,2-Dichloropropane	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,1-Dichloropropene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,3-Dichloropropane	ND		0.00154	1.1	04/21/2016 14:13	WG865485
cis-1,3-Dichloropropene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
trans-1,3-Dichloropropene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
2,2-Dichloropropane	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Di-isopropyl ether	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Ethylbenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Hexachloro-1,3-butadiene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Isopropylbenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
p-Isopropyltoluene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
2-Butanone (MEK)	ND		0.0154	1.1	04/21/2016 14:13	WG865485
Methylene Chloride	ND		0.00770	1.1	04/21/2016 14:13	WG865485

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0154	1.1	04/21/2016 14:13	WG865485
Methyl tert-butyl ether	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Naphthalene	ND		0.00770	1.1	04/21/2016 14:13	WG865485
n-Propylbenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Styrene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,1,1,2-Tetrachloroethane	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,1,2,2-Tetrachloroethane	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,1,2-Trichlorotrifluoroethane	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Tetrachloroethene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Toluene	ND		0.00770	1.1	04/21/2016 14:13	WG865485
1,2,3-Trichlorobenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,2,4-Trichlorobenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,1,1-Trichloroethane	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,1,2-Trichloroethane	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Trichloroethene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Trichlorofluoromethane	ND		0.00770	1.1	04/21/2016 14:13	WG865485
1,2,3-Trichloropropane	ND		0.00385	1.1	04/21/2016 14:13	WG865485
1,2,4-Trimethylbenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,2,3-Trimethylbenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
1,3,5-Trimethylbenzene	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Vinyl chloride	ND		0.00154	1.1	04/21/2016 14:13	WG865485
Xylenes, Total	ND		0.00462	1.1	04/21/2016 14:13	WG865485
(S) Toluene-d8	*101*		*88.7-115*		*04/21/2016 14:13*	WG865485
(S) Dibromofluoromethane	*99.3*		*76.3-123*		*04/21/2016 14:13*	WG865485
(S) a,a,a-Trifluorotoluene	*105*		*87.2-117*		*04/21/2016 14:13*	WG865485
(S) 4-Bromofluorobenzene	*98.1*		*69.7-129*		*04/21/2016 14:13*	WG865485

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	13.1		5.60	1	04/23/2016 00:02	WG865432
Residual Range Organics (RRO)	43.4	J3	14.0	1	04/23/2016 00:02	WG865432
(S) o-Terphenyl	*81.2*		*50.0-150*		*04/23/2016 00:02*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00840	1	04/22/2016 11:28	WG865993
Acenaphthene	ND		0.00840	1	04/22/2016 11:28	WG865993
Acenaphthylene	ND		0.00840	1	04/22/2016 11:28	WG865993
Benzo(a)anthracene	0.0452		0.00840	1	04/22/2016 11:28	WG865993
Benzo(a)pyrene	0.0722		0.00840	1	04/22/2016 11:28	WG865993
Benzo(b)fluoranthene	0.127		0.00840	1	04/22/2016 11:28	WG865993
Benzo(g,h,i)perylene	0.118		0.00840	1	04/22/2016 11:28	WG865993
Benzo(k)fluoranthene	0.0401		0.00840	1	04/22/2016 11:28	WG865993
Chrysene	0.0673		0.00840	1	04/22/2016 11:28	WG865993
Dibenz(a,h)anthracene	0.0173		0.00840	1	04/22/2016 11:28	WG865993
Fluoranthene	0.0705		0.00840	1	04/22/2016 11:28	WG865993
Fluorene	ND		0.00840	1	04/22/2016 11:28	WG865993
Indeno(1,2,3-cd)pyrene	0.0778		0.00840	1	04/22/2016 11:28	WG865993
Naphthalene	ND		0.0280	1	04/22/2016 11:28	WG865993
Phenanthrene	0.0549		0.00840	1	04/22/2016 11:28	WG865993
Pyrene	0.0928		0.00840	1	04/22/2016 11:28	WG865993
1-Methylnaphthalene	ND		0.0280	1	04/22/2016 11:28	WG865993
2-Methylnaphthalene	ND		0.0280	1	04/22/2016 11:28	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0280	1	04/22/2016 11:28	WG865993
(S) Nitrobenzene-d5	*74.0*		*22.1-146*		*04/22/2016 11:28*	WG865993
(S) 2-Fluorobiphenyl	*74.2*		*40.6-122*		*04/22/2016 11:28*	WG865993
(S) p-Terphenyl-d14	*60.1*		*32.2-131*		*04/22/2016 11:28*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.4		1	04/19/2016 11:08	WG865851

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.171	1.27	04/21/2016 21:23	WG865875
(S) a,a,a-Trifluorotoluene(FID)	*96.1*		*59.0-128*		*04/21/2016 21:23*	WG865875

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0739	1.1	04/21/2016 16:51	WG865486
Acrylonitrile	ND		0.0148	1.1	04/21/2016 16:51	WG865486
Benzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Bromobenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Bromodichloromethane	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Bromoform	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Bromomethane	ND		0.00739	1.1	04/21/2016 16:51	WG865486
n-Butylbenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
sec-Butylbenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
tert-Butylbenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Carbon tetrachloride	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Chlorobenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Chlorodibromomethane	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Chloroethane	ND		0.00739	1.1	04/21/2016 16:51	WG865486
2-Chloroethyl vinyl ether	ND		0.0739	1.1	04/21/2016 16:51	WG865486
Chloroform	ND		0.00739	1.1	04/21/2016 16:51	WG865486
Chloromethane	ND		0.00369	1.1	04/21/2016 16:51	WG865486
2-Chlorotoluene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
4-Chlorotoluene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,2-Dibromo-3-Chloropropane	ND		0.00739	1.1	04/21/2016 16:51	WG865486
1,2-Dibromoethane	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Dibromomethane	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,2-Dichlorobenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,3-Dichlorobenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,4-Dichlorobenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Dichlorodifluoromethane	ND		0.00739	1.1	04/21/2016 16:51	WG865486
1,1-Dichloroethane	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,2-Dichloroethane	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,1-Dichloroethene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
cis-1,2-Dichloroethene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
trans-1,2-Dichloroethene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,2-Dichloropropane	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,1-Dichloropropene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,3-Dichloropropane	ND		0.00148	1.1	04/21/2016 16:51	WG865486
cis-1,3-Dichloropropene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
trans-1,3-Dichloropropene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
2,2-Dichloropropane	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Di-isopropyl ether	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Ethylbenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Hexachloro-1,3-butadiene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Isopropylbenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
p-Isopropyltoluene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
2-Butanone (MEK)	ND		0.0148	1.1	04/21/2016 16:51	WG865486
Methylene Chloride	ND		0.00739	1.1	04/21/2016 16:51	WG865486

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0148	1.1	04/21/2016 16:51	WG865486
Methyl tert-butyl ether	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Naphthalene	ND		0.00739	1.1	04/21/2016 16:51	WG865486
n-Propylbenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Styrene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,1,1,2-Tetrachloroethane	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,1,2,2-Tetrachloroethane	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,1,2-Trichlorotrifluoroethane	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Tetrachloroethene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Toluene	ND		0.00739	1.1	04/21/2016 16:51	WG865486
1,2,3-Trichlorobenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,2,4-Trichlorobenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,1,1-Trichloroethane	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,1,2-Trichloroethane	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Trichloroethene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Trichlorofluoromethane	ND		0.00739	1.1	04/21/2016 16:51	WG865486
1,2,3-Trichloropropane	ND		0.00369	1.1	04/21/2016 16:51	WG865486
1,2,4-Trimethylbenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,2,3-Trimethylbenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
1,3,5-Trimethylbenzene	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Vinyl chloride	ND		0.00148	1.1	04/21/2016 16:51	WG865486
Xylenes, Total	ND		0.00443	1.1	04/21/2016 16:51	WG865486
(S) Toluene-d8	*102*		*88.7-115*		*04/21/2016 16:51*	WG865486
(S) Dibromofluoromethane	*93.2*		*76.3-123*		*04/21/2016 16:51*	WG865486
(S) a,a,a-Trifluorotoluene	*100*		*87.2-117*		*04/21/2016 16:51*	WG865486
(S) 4-Bromofluorobenzene	*96.7*		*69.7-129*		*04/21/2016 16:51*	WG865486

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	22.1	J3 J5	5.37	1	04/23/2016 00:14	WG865432
Residual Range Organics (RRO)	57.9	J3 J5	13.4	1	04/23/2016 00:14	WG865432
(S) o-Terphenyl	*57.2*		*50.0-150*		*04/23/2016 00:14*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0312		0.0161	2	04/22/2016 12:10	WG865993
Acenaphthene	ND		0.0161	2	04/22/2016 12:10	WG865993
Acenaphthylene	ND		0.0161	2	04/22/2016 12:10	WG865993
Benzo(a)anthracene	0.141		0.0161	2	04/22/2016 12:10	WG865993
Benzo(a)pyrene	0.413		0.0161	2	04/22/2016 12:10	WG865993
Benzo(b)fluoranthene	0.418		0.0161	2	04/22/2016 12:10	WG865993
Benzo(g,h,i)perylene	0.696		0.0161	2	04/22/2016 12:10	WG865993
Benzo(k)fluoranthene	0.106		0.0161	2	04/22/2016 12:10	WG865993
Chrysene	0.206		0.0161	2	04/22/2016 12:10	WG865993
Dibenz(a,h)anthracene	0.0508		0.0161	2	04/22/2016 12:10	WG865993
Fluoranthene	0.319		0.0161	2	04/22/2016 12:10	WG865993
Fluorene	ND		0.0161	2	04/22/2016 12:10	WG865993
Indeno(1,2,3-cd)pyrene	0.395		0.0161	2	04/22/2016 12:10	WG865993
Naphthalene	0.101		0.0537	2	04/22/2016 12:10	WG865993
Phenanthrene	0.252		0.0161	2	04/22/2016 12:10	WG865993
Pyrene	0.492		0.0161	2	04/22/2016 12:10	WG865993
1-Methylnaphthalene	0.169		0.0537	2	04/22/2016 12:10	WG865993
2-Methylnaphthalene	0.156		0.0537	2	04/22/2016 12:10	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0537	2	04/22/2016 12:10	WG865993
(S) Nitrobenzene-d5	*69.5*		*22.1-146*		*04/22/2016 12:10*	WG865993
(S) 2-Fluorobiphenyl	*69.2*		*40.6-122*		*04/22/2016 12:10*	WG865993
(S) p-Terphenyl-d14	*54.7*		*32.2-131*		*04/22/2016 12:10*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.1		1	04/19/2016 11:08	WG865851

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	198		6.63	48.5	04/22/2016 23:33	WG866938
(S) a,a,a-Trifluorotoluene(FID)	*99.4*		*59.0-128*		*04/22/2016 23:33*	WG866938

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	0.181	V3	0.0684	1	04/21/2016 17:13	WG865486
Acrylonitrile	ND		0.0137	1	04/21/2016 17:13	WG865486
Benzene	ND		0.00137	1	04/21/2016 17:13	WG865486
Bromobenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
Bromodichloromethane	ND		0.00137	1	04/21/2016 17:13	WG865486
Bromoform	ND		0.00137	1	04/21/2016 17:13	WG865486
Bromomethane	ND		0.00684	1	04/21/2016 17:13	WG865486
n-Butylbenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
sec-Butylbenzene	0.0868		0.00137	1	04/21/2016 17:13	WG865486
tert-Butylbenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
Carbon tetrachloride	ND		0.00137	1	04/21/2016 17:13	WG865486
Chlorobenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
Chlorodibromomethane	ND		0.00137	1	04/21/2016 17:13	WG865486
Chloroethane	ND		0.00684	1	04/21/2016 17:13	WG865486
2-Chloroethyl vinyl ether	ND		0.0684	1	04/21/2016 17:13	WG865486
Chloroform	ND		0.00684	1	04/21/2016 17:13	WG865486
Chloromethane	ND		0.00342	1	04/21/2016 17:13	WG865486
2-Chlorotoluene	ND		0.00137	1	04/21/2016 17:13	WG865486
4-Chlorotoluene	ND		0.00137	1	04/21/2016 17:13	WG865486
1,2-Dibromo-3-Chloropropane	ND		0.00684	1	04/21/2016 17:13	WG865486
1,2-Dibromoethane	ND		0.00137	1	04/21/2016 17:13	WG865486
Dibromomethane	ND		0.00137	1	04/21/2016 17:13	WG865486
1,2-Dichlorobenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
1,3-Dichlorobenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
1,4-Dichlorobenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
Dichlorodifluoromethane	ND		0.00684	1	04/21/2016 17:13	WG865486
1,1-Dichloroethane	ND		0.00137	1	04/21/2016 17:13	WG865486
1,2-Dichloroethane	ND		0.00137	1	04/21/2016 17:13	WG865486
1,1-Dichloroethene	ND		0.00137	1	04/21/2016 17:13	WG865486
cis-1,2-Dichloroethene	ND		0.00137	1	04/21/2016 17:13	WG865486
trans-1,2-Dichloroethene	ND		0.00137	1	04/21/2016 17:13	WG865486
1,2-Dichloropropane	ND		0.00137	1	04/21/2016 17:13	WG865486
1,1-Dichloropropene	ND		0.00137	1	04/21/2016 17:13	WG865486
1,3-Dichloropropane	ND		0.00137	1	04/21/2016 17:13	WG865486
cis-1,3-Dichloropropene	ND		0.00137	1	04/21/2016 17:13	WG865486
trans-1,3-Dichloropropene	ND		0.00137	1	04/21/2016 17:13	WG865486
2,2-Dichloropropane	ND		0.00137	1	04/21/2016 17:13	WG865486
Di-isopropyl ether	ND		0.00137	1	04/21/2016 17:13	WG865486
Ethylbenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
Hexachloro-1,3-butadiene	ND		0.00137	1	04/21/2016 17:13	WG865486
Isopropylbenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
p-Isopropyltoluene	ND		0.00137	1	04/21/2016 17:13	WG865486
2-Butanone (MEK)	ND		0.0137	1	04/21/2016 17:13	WG865486
Methylene Chloride	ND		0.00684	1	04/21/2016 17:13	WG865486

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0137	1	04/21/2016 17:13	WG865486
Methyl tert-butyl ether	ND		0.00137	1	04/21/2016 17:13	WG865486
Naphthalene	ND		0.00684	1	04/21/2016 17:13	WG865486
n-Propylbenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
Styrene	ND		0.00137	1	04/21/2016 17:13	WG865486
1,1,1,2-Tetrachloroethane	ND		0.00137	1	04/21/2016 17:13	WG865486
1,1,2,2-Tetrachloroethane	ND		0.00137	1	04/21/2016 17:13	WG865486
1,1,2-Trichlorotrifluoroethane	ND		0.00137	1	04/21/2016 17:13	WG865486
Tetrachloroethene	ND		0.00137	1	04/21/2016 17:13	WG865486
Toluene	ND		0.00684	1	04/21/2016 17:13	WG865486
1,2,3-Trichlorobenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
1,2,4-Trichlorobenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
1,1,1-Trichloroethane	ND		0.00137	1	04/21/2016 17:13	WG865486
1,1,2-Trichloroethane	ND		0.00137	1	04/21/2016 17:13	WG865486
Trichloroethene	ND		0.00137	1	04/21/2016 17:13	WG865486
Trichlorofluoromethane	ND		0.00684	1	04/21/2016 17:13	WG865486
1,2,3-Trichloropropane	ND		0.00342	1	04/21/2016 17:13	WG865486
1,2,4-Trimethylbenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
1,2,3-Trimethylbenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
1,3,5-Trimethylbenzene	ND		0.00137	1	04/21/2016 17:13	WG865486
Vinyl chloride	ND		0.00137	1	04/21/2016 17:13	WG865486
Xylenes, Total	ND		0.00410	1	04/21/2016 17:13	WG865486
(S) Toluene-d8	*91.5*		*88.7-115*		*04/21/2016 17:13*	WG865486
(S) Dibromofluoromethane	*121*		*76.3-123*		*04/21/2016 17:13*	WG865486
(S) a,a,a-Trifluorotoluene	*72.8*	J2	*87.2-117*		*04/21/2016 17:13*	WG865486
(S) 4-Bromofluorobenzene	*407*	J1	*69.7-129*		*04/21/2016 17:13*	WG865486

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	1810		54.7	10	04/23/2016 01:16	WG865432
Residual Range Organics (RRO)	2110	J3	137	10	04/23/2016 01:16	WG865432
(S) o-Terphenyl	*86.2*		*50.0-150*		*04/23/2016 01:16*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.267		0.0820	10	04/22/2016 12:51	WG865993
Acenaphthene	0.451		0.0820	10	04/22/2016 12:51	WG865993
Acenaphthylene	0.100		0.0820	10	04/22/2016 12:51	WG865993
Benzo(a)anthracene	0.198		0.0820	10	04/22/2016 12:51	WG865993
Benzo(a)pyrene	0.205		0.0820	10	04/22/2016 12:51	WG865993
Benzo(b)fluoranthene	0.206		0.0820	10	04/22/2016 12:51	WG865993
Benzo(g,h,i)perylene	0.110		0.0820	10	04/22/2016 12:51	WG865993
Benzo(k)fluoranthene	0.106		0.0820	10	04/22/2016 12:51	WG865993
Chrysene	0.296		0.0820	10	04/22/2016 12:51	WG865993
Dibenz(a,h)anthracene	ND		0.0820	10	04/22/2016 12:51	WG865993
Fluoranthene	0.631		0.0820	10	04/22/2016 12:51	WG865993
Fluorene	0.840		0.0820	10	04/22/2016 12:51	WG865993
Indeno(1,2,3-cd)pyrene	ND		0.0820	10	04/22/2016 12:51	WG865993
Naphthalene	0.738		0.273	10	04/22/2016 12:51	WG865993
Phenanthrene	0.306		0.0820	10	04/22/2016 12:51	WG865993
Pyrene	0.668		0.0820	10	04/22/2016 12:51	WG865993
1-Methylnaphthalene	ND		0.273	10	04/22/2016 12:51	WG865993
2-Methylnaphthalene	ND		0.273	10	04/22/2016 12:51	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.273	10	04/22/2016 12:51	WG865993
(S) Nitrobenzene-d5	*339*	J1	*22.1-146*		*04/22/2016 12:51*	WG865993
(S) 2-Fluorobiphenyl	*70.1*		*40.6-122*		*04/22/2016 12:51*	WG865993
(S) p-Terphenyl-d14	*63.1*		*32.2-131*		*04/22/2016 12:51*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.0		1	04/19/2016 11:08	WG865851

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		2.91	25	04/24/2016 03:12	WG867109
(S) a,a,a-Trifluorotoluene(FID)	*97.9*		*59.0-128*		*04/24/2016 03:12*	WG867109

Sample Narrative:

NWTPHGX L830143-21 WG867109: No bisulfates remain for analysis.

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0715	1.23	04/21/2016 17:36	WG865486
Acrylonitrile	ND		0.0143	1.23	04/21/2016 17:36	WG865486
Benzene	0.00210		0.00143	1.23	04/21/2016 17:36	WG865486
Bromobenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Bromodichloromethane	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Bromoform	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Bromomethane	ND		0.00715	1.23	04/21/2016 17:36	WG865486
n-Butylbenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
sec-Butylbenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
tert-Butylbenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Carbon tetrachloride	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Chlorobenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Chlorodibromomethane	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Chloroethane	ND		0.00715	1.23	04/21/2016 17:36	WG865486
2-Chloroethyl vinyl ether	ND		0.0715	1.23	04/21/2016 17:36	WG865486
Chloroform	ND		0.00715	1.23	04/21/2016 17:36	WG865486
Chloromethane	ND		0.00358	1.23	04/21/2016 17:36	WG865486
2-Chlorotoluene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
4-Chlorotoluene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,2-Dibromo-3-Chloropropane	ND		0.00715	1.23	04/21/2016 17:36	WG865486
1,2-Dibromoethane	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Dibromomethane	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,2-Dichlorobenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,3-Dichlorobenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,4-Dichlorobenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Dichlorodifluoromethane	ND		0.00715	1.23	04/21/2016 17:36	WG865486
1,1-Dichloroethane	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,2-Dichloroethane	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,1-Dichloroethene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
cis-1,2-Dichloroethene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
trans-1,2-Dichloroethene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,2-Dichloropropane	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,1-Dichloropropene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,3-Dichloropropane	ND		0.00143	1.23	04/21/2016 17:36	WG865486
cis-1,3-Dichloropropene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
trans-1,3-Dichloropropene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
2,2-Dichloropropane	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Di-isopropyl ether	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Ethylbenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Hexachloro-1,3-butadiene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Isopropylbenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
p-Isopropyltoluene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
2-Butanone (MEK)	ND		0.0143	1.23	04/21/2016 17:36	WG865486
Methylene Chloride	ND		0.00715	1.23	04/21/2016 17:36	WG865486
4-Methyl-2-pentanone (MIBK)	ND		0.0143	1.23	04/21/2016 17:36	WG865486
Methyl tert-butyl ether	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Naphthalene	ND		0.00715	1.23	04/21/2016 17:36	WG865486
n-Propylbenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Styrene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,1,1,2-Tetrachloroethane	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,1,2,2-Tetrachloroethane	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,1,2-Trichlorotrifluoroethane	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Tetrachloroethene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Toluene	ND		0.00715	1.23	04/21/2016 17:36	WG865486
1,2,3-Trichlorobenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,2,4-Trichlorobenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,1,1-Trichloroethane	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,1,2-Trichloroethane	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Trichloroethene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Trichlorofluoromethane	ND		0.00715	1.23	04/21/2016 17:36	WG865486
1,2,3-Trichloropropane	ND		0.00358	1.23	04/21/2016 17:36	WG865486
1,2,4-Trimethylbenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,2,3-Trimethylbenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
1,3,5-Trimethylbenzene	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Vinyl chloride	ND		0.00143	1.23	04/21/2016 17:36	WG865486
Xylenes, Total	ND		0.00429	1.23	04/21/2016 17:36	WG865486
(S) Toluene-d8	*102*		*88.7-115*		*04/21/2016 17:36*	WG865486
(S) Dibromofluoromethane	*91.1*		*76.3-123*		*04/21/2016 17:36*	WG865486
(S) a,a,a-Trifluorotoluene	*102*		*87.2-117*		*04/21/2016 17:36*	WG865486
(S) 4-Bromofluorobenzene	*97.7*		*69.7-129*		*04/21/2016 17:36*	WG865486

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		4.65	1	04/23/2016 01:03	WG865432
Residual Range Organics (RRO)	52.0	J3	11.6	1	04/23/2016 01:03	WG865432
(S) o-Terphenyl	*75.2*		*50.0-150*		*04/23/2016 01:03*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0349	5	04/22/2016 12:30	WG865993
Acenaphthene	ND		0.0349	5	04/22/2016 12:30	WG865993
Acenaphthylene	ND		0.0349	5	04/22/2016 12:30	WG865993
Benzo(a)anthracene	ND		0.0349	5	04/22/2016 12:30	WG865993
Benzo(a)pyrene	ND		0.0349	5	04/22/2016 12:30	WG865993
Benzo(b)fluoranthene	ND		0.0349	5	04/22/2016 12:30	WG865993
Benzo(g,h,i)perylene	ND		0.0349	5	04/22/2016 12:30	WG865993
Benzo(k)fluoranthene	ND		0.0349	5	04/22/2016 12:30	WG865993
Chrysene	ND		0.0349	5	04/22/2016 12:30	WG865993
Dibenz(a,h)anthracene	ND		0.0349	5	04/22/2016 12:30	WG865993
Fluoranthene	ND		0.0349	5	04/22/2016 12:30	WG865993
Fluorene	ND		0.0349	5	04/22/2016 12:30	WG865993
Indeno(1,2,3-cd)pyrene	ND		0.0349	5	04/22/2016 12:30	WG865993
Naphthalene	ND		0.116	5	04/22/2016 12:30	WG865993
Phenanthrene	ND		0.0349	5	04/22/2016 12:30	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Pyrene	ND		0.0349	5	04/22/2016 12:30	WG865993
1-Methylnaphthalene	ND		0.116	5	04/22/2016 12:30	WG865993
2-Methylnaphthalene	ND		0.116	5	04/22/2016 12:30	WG865993
2-Chloronaphthalene	ND		0.116	5	04/22/2016 12:30	WG865993
(S) Nitrobenzene-d5	*75.7*		*22.1-146*		*04/22/2016 12:30*	WG865993
(S) 2-Fluorobiphenyl	*75.3*		*40.6-122*		*04/22/2016 12:30*	WG865993
(S) p-Terphenyl-d14	*62.2*		*32.2-131*		*04/22/2016 12:30*	WG865993

Sample Narrative:

8270D-SIM L830143-21 WG865993: Dilution due to matrix

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.3		1	04/19/2016 11:08	WG865851

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.133	1	04/20/2016 01:22	WG866019
(S) a,a,a-Trifluorotoluene(FID)	*92.3*		*59.0-128*		*04/20/2016 01:22*	WG866019

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0664	1	04/21/2016 17:59	WG865486
Acrylonitrile	ND		0.0133	1	04/21/2016 17:59	WG865486
Benzene	ND		0.00133	1	04/21/2016 17:59	WG865486
Bromobenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
Bromodichloromethane	ND		0.00133	1	04/21/2016 17:59	WG865486
Bromoform	ND		0.00133	1	04/21/2016 17:59	WG865486
Bromomethane	ND		0.00664	1	04/21/2016 17:59	WG865486
n-Butylbenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
sec-Butylbenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
tert-Butylbenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
Carbon tetrachloride	ND		0.00133	1	04/21/2016 17:59	WG865486
Chlorobenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
Chlorodibromomethane	ND		0.00133	1	04/21/2016 17:59	WG865486
Chloroethane	ND		0.00664	1	04/21/2016 17:59	WG865486
2-Chloroethyl vinyl ether	ND		0.0664	1	04/21/2016 17:59	WG865486
Chloroform	ND		0.00664	1	04/21/2016 17:59	WG865486
Chloromethane	ND		0.00332	1	04/21/2016 17:59	WG865486
2-Chlorotoluene	ND		0.00133	1	04/21/2016 17:59	WG865486
4-Chlorotoluene	ND		0.00133	1	04/21/2016 17:59	WG865486
1,2-Dibromo-3-Chloropropane	ND		0.00664	1	04/21/2016 17:59	WG865486
1,2-Dibromoethane	ND		0.00133	1	04/21/2016 17:59	WG865486
Dibromomethane	ND		0.00133	1	04/21/2016 17:59	WG865486
1,2-Dichlorobenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
1,3-Dichlorobenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
1,4-Dichlorobenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
Dichlorodifluoromethane	ND		0.00664	1	04/21/2016 17:59	WG865486
1,1-Dichloroethane	ND		0.00133	1	04/21/2016 17:59	WG865486
1,2-Dichloroethane	ND		0.00133	1	04/21/2016 17:59	WG865486
1,1-Dichloroethene	ND		0.00133	1	04/21/2016 17:59	WG865486
cis-1,2-Dichloroethene	ND		0.00133	1	04/21/2016 17:59	WG865486
trans-1,2-Dichloroethene	ND		0.00133	1	04/21/2016 17:59	WG865486
1,2-Dichloropropane	ND		0.00133	1	04/21/2016 17:59	WG865486
1,1-Dichloropropene	ND		0.00133	1	04/21/2016 17:59	WG865486
1,3-Dichloropropane	ND		0.00133	1	04/21/2016 17:59	WG865486
cis-1,3-Dichloropropene	ND		0.00133	1	04/21/2016 17:59	WG865486
trans-1,3-Dichloropropene	ND		0.00133	1	04/21/2016 17:59	WG865486
2,2-Dichloropropane	ND		0.00133	1	04/21/2016 17:59	WG865486
Di-isopropyl ether	ND		0.00133	1	04/21/2016 17:59	WG865486
Ethylbenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
Hexachloro-1,3-butadiene	ND		0.00133	1	04/21/2016 17:59	WG865486
Isopropylbenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
p-Isopropyltoluene	ND		0.00133	1	04/21/2016 17:59	WG865486
2-Butanone (MEK)	ND		0.0133	1	04/21/2016 17:59	WG865486
Methylene Chloride	ND		0.00664	1	04/21/2016 17:59	WG865486

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0133	1	04/21/2016 17:59	WG865486
Methyl tert-butyl ether	ND		0.00133	1	04/21/2016 17:59	WG865486
Naphthalene	ND		0.00664	1	04/21/2016 17:59	WG865486
n-Propylbenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
Styrene	ND		0.00133	1	04/21/2016 17:59	WG865486
1,1,1,2-Tetrachloroethane	ND		0.00133	1	04/21/2016 17:59	WG865486
1,1,2,2-Tetrachloroethane	ND		0.00133	1	04/21/2016 17:59	WG865486
1,1,2-Trichlorotrifluoroethane	ND		0.00133	1	04/21/2016 17:59	WG865486
Tetrachloroethene	ND		0.00133	1	04/21/2016 17:59	WG865486
Toluene	ND		0.00664	1	04/21/2016 17:59	WG865486
1,2,3-Trichlorobenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
1,2,4-Trichlorobenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
1,1,1-Trichloroethane	ND		0.00133	1	04/21/2016 17:59	WG865486
1,1,2-Trichloroethane	ND		0.00133	1	04/21/2016 17:59	WG865486
Trichloroethene	ND		0.00133	1	04/21/2016 17:59	WG865486
Trichlorofluoromethane	ND		0.00664	1	04/21/2016 17:59	WG865486
1,2,3-Trichloropropane	ND		0.00332	1	04/21/2016 17:59	WG865486
1,2,4-Trimethylbenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
1,2,3-Trimethylbenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
1,3,5-Trimethylbenzene	ND		0.00133	1	04/21/2016 17:59	WG865486
Vinyl chloride	ND		0.00133	1	04/21/2016 17:59	WG865486
Xylenes, Total	ND		0.00398	1	04/21/2016 17:59	WG865486
(S) Toluene-d8	*103*		*88.7-115*		*04/21/2016 17:59*	WG865486
(S) Dibromofluoromethane	*92.8*		*76.3-123*		*04/21/2016 17:59*	WG865486
(S) a,a,a-Trifluorotoluene	*99.6*		*87.2-117*		*04/21/2016 17:59*	WG865486
(S) 4-Bromofluorobenzene	*100*		*69.7-129*		*04/21/2016 17:59*	WG865486

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.31	1	04/22/2016 21:42	WG865432
Residual Range Organics (RRO)	ND	J3	13.3	1	04/22/2016 21:42	WG865432
(S) o-Terphenyl	*50.7*		*50.0-150*		*04/22/2016 21:42*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00797	1	04/22/2016 14:14	WG865993
Acenaphthene	ND		0.00797	1	04/22/2016 14:14	WG865993
Acenaphthylene	ND		0.00797	1	04/22/2016 14:14	WG865993
Benzo(a)anthracene	ND		0.00797	1	04/22/2016 14:14	WG865993
Benzo(a)pyrene	ND		0.00797	1	04/22/2016 14:14	WG865993
Benzo(b)fluoranthene	ND		0.00797	1	04/22/2016 14:14	WG865993
Benzo(g,h,i)perylene	ND		0.00797	1	04/22/2016 14:14	WG865993
Benzo(k)fluoranthene	ND		0.00797	1	04/22/2016 14:14	WG865993
Chrysene	ND		0.00797	1	04/22/2016 14:14	WG865993
Dibenz(a,h)anthracene	ND		0.00797	1	04/22/2016 14:14	WG865993
Fluoranthene	ND		0.00797	1	04/22/2016 14:14	WG865993
Fluorene	ND		0.00797	1	04/22/2016 14:14	WG865993
Indeno(1,2,3-cd)pyrene	ND		0.00797	1	04/22/2016 14:14	WG865993
Naphthalene	ND		0.0266	1	04/22/2016 14:14	WG865993
Phenanthrene	ND		0.00797	1	04/22/2016 14:14	WG865993
Pyrene	ND		0.00797	1	04/22/2016 14:14	WG865993
1-Methylnaphthalene	ND		0.0266	1	04/22/2016 14:14	WG865993
2-Methylnaphthalene	ND		0.0266	1	04/22/2016 14:14	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0266	1	04/22/2016 14:14	WG865993
(S) Nitrobenzene-d5	*78.0*		*22.1-146*		*04/22/2016 14:14*	WG865993
(S) 2-Fluorobiphenyl	*77.0*		*40.6-122*		*04/22/2016 14:14*	WG865993
(S) p-Terphenyl-d14	*60.5*		*32.2-131*		*04/22/2016 14:14*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.5		1	04/19/2016 11:08	WG865851

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	2490		53.7	400	04/20/2016 04:18	WG866019
(S) a,a,a-Trifluorotoluene(FID)	*93.9*		*59.0-128*		*04/20/2016 04:18*	WG866019

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		26.9	400	04/21/2016 18:21	WG865486
Acrylonitrile	ND		5.37	400	04/21/2016 18:21	WG865486
Benzene	ND		0.537	400	04/21/2016 18:21	WG865486
Bromobenzene	ND		0.537	400	04/21/2016 18:21	WG865486
Bromodichloromethane	ND		0.537	400	04/21/2016 18:21	WG865486
Bromoform	ND		0.537	400	04/21/2016 18:21	WG865486
Bromomethane	ND		2.69	400	04/21/2016 18:21	WG865486
n-Butylbenzene	14.4		0.537	400	04/21/2016 18:21	WG865486
sec-Butylbenzene	5.96		0.537	400	04/21/2016 18:21	WG865486
tert-Butylbenzene	1.57		0.537	400	04/21/2016 18:21	WG865486
Carbon tetrachloride	ND		0.537	400	04/21/2016 18:21	WG865486
Chlorobenzene	ND		0.537	400	04/21/2016 18:21	WG865486
Chlorodibromomethane	ND		0.537	400	04/21/2016 18:21	WG865486
Chloroethane	ND		2.69	400	04/21/2016 18:21	WG865486
2-Chloroethyl vinyl ether	ND		26.9	400	04/21/2016 18:21	WG865486
Chloroform	ND		2.69	400	04/21/2016 18:21	WG865486
Chloromethane	ND		1.34	400	04/21/2016 18:21	WG865486
2-Chlorotoluene	ND		0.537	400	04/21/2016 18:21	WG865486
4-Chlorotoluene	ND		0.537	400	04/21/2016 18:21	WG865486
1,2-Dibromo-3-Chloropropane	ND		2.69	400	04/21/2016 18:21	WG865486
1,2-Dibromoethane	ND		0.537	400	04/21/2016 18:21	WG865486
Dibromomethane	ND		0.537	400	04/21/2016 18:21	WG865486
1,2-Dichlorobenzene	ND		0.537	400	04/21/2016 18:21	WG865486
1,3-Dichlorobenzene	ND		0.537	400	04/21/2016 18:21	WG865486
1,4-Dichlorobenzene	ND		0.537	400	04/21/2016 18:21	WG865486
Dichlorodifluoromethane	ND		2.69	400	04/21/2016 18:21	WG865486
1,1-Dichloroethane	ND		0.537	400	04/21/2016 18:21	WG865486
1,2-Dichloroethane	ND		0.537	400	04/21/2016 18:21	WG865486
1,1-Dichloroethene	ND		0.537	400	04/21/2016 18:21	WG865486
cis-1,2-Dichloroethene	ND		0.537	400	04/21/2016 18:21	WG865486
trans-1,2-Dichloroethene	ND		0.537	400	04/21/2016 18:21	WG865486
1,2-Dichloropropane	ND		0.537	400	04/21/2016 18:21	WG865486
1,1-Dichloropropene	ND		0.537	400	04/21/2016 18:21	WG865486
1,3-Dichloropropane	ND		0.537	400	04/21/2016 18:21	WG865486
cis-1,3-Dichloropropene	ND		0.537	400	04/21/2016 18:21	WG865486
trans-1,3-Dichloropropene	ND		0.537	400	04/21/2016 18:21	WG865486
2,2-Dichloropropane	ND		0.537	400	04/21/2016 18:21	WG865486
Di-isopropyl ether	ND		0.537	400	04/21/2016 18:21	WG865486
Ethylbenzene	18.4		0.537	400	04/21/2016 18:21	WG865486
Hexachloro-1,3-butadiene	ND		0.537	400	04/21/2016 18:21	WG865486
Isopropylbenzene	9.46		0.537	400	04/21/2016 18:21	WG865486
p-Isopropyltoluene	2.49		0.537	400	04/21/2016 18:21	WG865486
2-Butanone (MEK)	ND		5.37	400	04/21/2016 18:21	WG865486
Methylene Chloride	ND		2.69	400	04/21/2016 18:21	WG865486

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		5.37	400	04/21/2016 18:21	WG865486
Methyl tert-butyl ether	ND		0.537	400	04/21/2016 18:21	WG865486
Naphthalene	43.2		2.69	400	04/21/2016 18:21	WG865486
n-Propylbenzene	44.1		0.537	400	04/21/2016 18:21	WG865486
Styrene	ND		0.537	400	04/21/2016 18:21	WG865486
1,1,1,2-Tetrachloroethane	ND		0.537	400	04/21/2016 18:21	WG865486
1,1,2,2-Tetrachloroethane	ND		0.537	400	04/21/2016 18:21	WG865486
1,1,2-Trichlorotrifluoroethane	ND		0.537	400	04/21/2016 18:21	WG865486
Tetrachloroethene	ND		0.537	400	04/21/2016 18:21	WG865486
Toluene	ND		2.69	400	04/21/2016 18:21	WG865486
1,2,3-Trichlorobenzene	ND		0.537	400	04/21/2016 18:21	WG865486
1,2,4-Trichlorobenzene	ND		0.537	400	04/21/2016 18:21	WG865486
1,1,1-Trichloroethane	ND		0.537	400	04/21/2016 18:21	WG865486
1,1,2-Trichloroethane	ND		0.537	400	04/21/2016 18:21	WG865486
Trichloroethene	ND		0.537	400	04/21/2016 18:21	WG865486
Trichlorofluoromethane	ND		2.69	400	04/21/2016 18:21	WG865486
1,2,3-Trichloropropane	ND		1.34	400	04/21/2016 18:21	WG865486
1,2,4-Trimethylbenzene	352		5.37	4000	04/23/2016 02:43	WG866877
1,2,3-Trimethylbenzene	85.2		0.537	400	04/21/2016 18:21	WG865486
1,3,5-Trimethylbenzene	111		5.37	4000	04/23/2016 02:43	WG866877
Vinyl chloride	ND		0.537	400	04/21/2016 18:21	WG865486
Xylenes, Total	147		1.61	400	04/21/2016 18:21	WG865486
(S) Toluene-d8	*104*		*88.7-115*		*04/21/2016 18:21*	WG865486
(S) Toluene-d8	*102*		*88.7-115*		*04/23/2016 02:43*	WG866877
(S) Dibromofluoromethane	*98.9*		*76.3-123*		*04/23/2016 02:43*	WG866877
(S) Dibromofluoromethane	*88.8*		*76.3-123*		*04/21/2016 18:21*	WG865486
(S) α,α,α-Trifluorotoluene	*103*		*87.2-117*		*04/21/2016 18:21*	WG865486
(S) α,α,α-Trifluorotoluene	*99.4*		*87.2-117*		*04/23/2016 02:43*	WG866877
(S) 4-Bromofluorobenzene	*100*		*69.7-129*		*04/23/2016 02:43*	WG866877
(S) 4-Bromofluorobenzene	*113*		*69.7-129*		*04/21/2016 18:21*	WG865486

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.37	1	04/22/2016 23:10	WG865432
Residual Range Organics (RRO)	ND	J3	13.4	1	04/22/2016 23:10	WG865432
(S) o-Terphenyl	*66.2*		*50.0-150*		*04/22/2016 23:10*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0561		0.00806	1	04/22/2016 14:35	WG865993
Acenaphthene	0.126		0.00806	1	04/22/2016 14:35	WG865993
Acenaphthylene	0.0437		0.00806	1	04/22/2016 14:35	WG865993
Benzo(a)anthracene	0.00950		0.00806	1	04/22/2016 14:35	WG865993
Benzo(a)pyrene	ND		0.00806	1	04/22/2016 14:35	WG865993
Benzo(b)fluoranthene	ND		0.00806	1	04/22/2016 14:35	WG865993
Benzo(g,h,i)perylene	ND		0.00806	1	04/22/2016 14:35	WG865993
Benzo(k)fluoranthene	ND		0.00806	1	04/22/2016 14:35	WG865993
Chrysene	0.0131		0.00806	1	04/22/2016 14:35	WG865993
Dibenz(a,h)anthracene	ND		0.00806	1	04/22/2016 14:35	WG865993
Fluoranthene	0.0268		0.00806	1	04/22/2016 14:35	WG865993
Fluorene	0.130		0.00806	1	04/22/2016 14:35	WG865993
Indeno(1,2,3-cd)pyrene	ND		0.00806	1	04/22/2016 14:35	WG865993
Naphthalene	33.8		0.537	20	04/25/2016 07:06	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Phenanthrene	0.214		0.00806	1	04/22/2016 14:35	WG865993
Pyrene	0.0702		0.00806	1	04/22/2016 14:35	WG865993
1-Methylnaphthalene	16.2		0.537	20	04/25/2016 07:06	WG865993
2-Methylnaphthalene	34.4		0.537	20	04/25/2016 07:06	WG865993
2-Chloronaphthalene	ND		0.0269	1	04/22/2016 14:35	WG865993
(S) Nitrobenzene-d5	*71.9*		*22.1-146*		*04/25/2016 07:06*	WG865993
(S) 2-Fluorobiphenyl	*69.3*		*40.6-122*		*04/22/2016 14:35*	WG865993
(S) p-Terphenyl-d14	*61.8*		*32.2-131*		*04/22/2016 14:35*	WG865993

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.9		1	04/19/2016 11:08	WG865851

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.135	1	04/20/2016 09:48	WG866019
(S) a,a,a-Trifluorotoluene(FID)	*92.0*		*59.0-128*		*04/20/2016 09:48*	WG866019

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0676	1	04/21/2016 18:44	WG865486
Acrylonitrile	ND		0.0135	1	04/21/2016 18:44	WG865486
Benzene	ND		0.00135	1	04/21/2016 18:44	WG865486
Bromobenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
Bromodichloromethane	ND		0.00135	1	04/21/2016 18:44	WG865486
Bromoform	ND		0.00135	1	04/21/2016 18:44	WG865486
Bromomethane	ND		0.00676	1	04/21/2016 18:44	WG865486
n-Butylbenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
sec-Butylbenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
tert-Butylbenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
Carbon tetrachloride	ND		0.00135	1	04/21/2016 18:44	WG865486
Chlorobenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
Chlorodibromomethane	ND		0.00135	1	04/21/2016 18:44	WG865486
Chloroethane	ND		0.00676	1	04/21/2016 18:44	WG865486
2-Chloroethyl vinyl ether	ND		0.0676	1	04/21/2016 18:44	WG865486
Chloroform	ND		0.00676	1	04/21/2016 18:44	WG865486
Chloromethane	ND		0.00338	1	04/21/2016 18:44	WG865486
2-Chlorotoluene	ND		0.00135	1	04/21/2016 18:44	WG865486
4-Chlorotoluene	ND		0.00135	1	04/21/2016 18:44	WG865486
1,2-Dibromo-3-Chloropropane	ND		0.00676	1	04/21/2016 18:44	WG865486
1,2-Dibromoethane	ND		0.00135	1	04/21/2016 18:44	WG865486
Dibromomethane	ND		0.00135	1	04/21/2016 18:44	WG865486
1,2-Dichlorobenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
1,3-Dichlorobenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
1,4-Dichlorobenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
Dichlorodifluoromethane	ND		0.00676	1	04/21/2016 18:44	WG865486
1,1-Dichloroethane	ND		0.00135	1	04/21/2016 18:44	WG865486
1,2-Dichloroethane	ND		0.00135	1	04/21/2016 18:44	WG865486
1,1-Dichloroethene	ND		0.00135	1	04/21/2016 18:44	WG865486
cis-1,2-Dichloroethene	ND		0.00135	1	04/21/2016 18:44	WG865486
trans-1,2-Dichloroethene	ND		0.00135	1	04/21/2016 18:44	WG865486
1,2-Dichloropropane	ND		0.00135	1	04/21/2016 18:44	WG865486
1,1-Dichloropropene	ND		0.00135	1	04/21/2016 18:44	WG865486
1,3-Dichloropropane	ND		0.00135	1	04/21/2016 18:44	WG865486
cis-1,3-Dichloropropene	ND		0.00135	1	04/21/2016 18:44	WG865486
trans-1,3-Dichloropropene	ND		0.00135	1	04/21/2016 18:44	WG865486
2,2-Dichloropropane	ND		0.00135	1	04/21/2016 18:44	WG865486
Di-isopropyl ether	ND		0.00135	1	04/21/2016 18:44	WG865486
Ethylbenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
Hexachloro-1,3-butadiene	ND		0.00135	1	04/21/2016 18:44	WG865486
Isopropylbenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
p-Isopropyltoluene	ND		0.00135	1	04/21/2016 18:44	WG865486
2-Butanone (MEK)	ND		0.0135	1	04/21/2016 18:44	WG865486
Methylene Chloride	ND		0.00676	1	04/21/2016 18:44	WG865486

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0135	1	04/21/2016 18:44	WG865486
Methyl tert-butyl ether	ND		0.00135	1	04/21/2016 18:44	WG865486
Naphthalene	ND		0.00676	1	04/21/2016 18:44	WG865486
n-Propylbenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
Styrene	ND		0.00135	1	04/21/2016 18:44	WG865486
1,1,1,2-Tetrachloroethane	ND		0.00135	1	04/21/2016 18:44	WG865486
1,1,2,2-Tetrachloroethane	ND		0.00135	1	04/21/2016 18:44	WG865486
1,1,2-Trichlorotrifluoroethane	ND		0.00135	1	04/21/2016 18:44	WG865486
Tetrachloroethene	ND		0.00135	1	04/21/2016 18:44	WG865486
Toluene	ND		0.00676	1	04/21/2016 18:44	WG865486
1,2,3-Trichlorobenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
1,2,4-Trichlorobenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
1,1,1-Trichloroethane	ND		0.00135	1	04/21/2016 18:44	WG865486
1,1,2-Trichloroethane	ND		0.00135	1	04/21/2016 18:44	WG865486
Trichloroethene	ND		0.00135	1	04/21/2016 18:44	WG865486
Trichlorofluoromethane	ND		0.00676	1	04/21/2016 18:44	WG865486
1,2,3-Trichloropropane	ND		0.00338	1	04/21/2016 18:44	WG865486
1,2,4-Trimethylbenzene	ND		0.0271	20	04/23/2016 03:06	WG866877
1,2,3-Trimethylbenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
1,3,5-Trimethylbenzene	ND		0.00135	1	04/21/2016 18:44	WG865486
Vinyl chloride	ND		0.00135	1	04/21/2016 18:44	WG865486
Xylenes, Total	ND		0.00406	1	04/21/2016 18:44	WG865486
(S) Toluene-d8	*102*		*88.7-115*		*04/21/2016 18:44*	WG865486
(S) Toluene-d8	*100*		*88.7-115*		*04/23/2016 03:06*	WG866877
(S) Dibromofluoromethane	*98.0*		*76.3-123*		*04/23/2016 03:06*	WG866877
(S) Dibromofluoromethane	*93.1*		*76.3-123*		*04/21/2016 18:44*	WG865486
(S) α,α,α-Trifluorotoluene	*101*		*87.2-117*		*04/21/2016 18:44*	WG865486
(S) α,α,α-Trifluorotoluene	*97.2*		*87.2-117*		*04/23/2016 03:06*	WG866877
(S) 4-Bromofluorobenzene	*100*		*69.7-129*		*04/23/2016 03:06*	WG866877
(S) 4-Bromofluorobenzene	*99.8*		*69.7-129*		*04/21/2016 18:44*	WG865486

Sample Narrative:

8260B L830143-24 WG866877: No bisulfates remain for analysis.

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.41	1	04/22/2016 23:23	WG865432
Residual Range Organics (RRO)	ND	J3	13.5	1	04/22/2016 23:23	WG865432
(S) o-Terphenyl	*67.2*		*50.0-150*		*04/22/2016 23:23*	WG865432

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00812	1	04/22/2016 10:26	WG865993
Acenaphthene	ND		0.00812	1	04/22/2016 10:26	WG865993
Acenaphthylene	ND		0.00812	1	04/22/2016 10:26	WG865993
Benzo(a)anthracene	ND		0.00812	1	04/22/2016 10:26	WG865993
Benzo(a)pyrene	ND		0.00812	1	04/22/2016 10:26	WG865993
Benzo(b)fluoranthene	ND		0.00812	1	04/22/2016 10:26	WG865993
Benzo(g,h,i)perylene	ND		0.00812	1	04/22/2016 10:26	WG865993
Benzo(k)fluoranthene	ND		0.00812	1	04/22/2016 10:26	WG865993
Chrysene	ND		0.00812	1	04/22/2016 10:26	WG865993
Dibenz(a,h)anthracene	ND		0.00812	1	04/22/2016 10:26	WG865993
Fluoranthene	ND		0.00812	1	04/22/2016 10:26	WG865993

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Fluorene	ND		0.00812	1	04/22/2016 10:26	WG865993
Indeno(1,2,3-cd)pyrene	ND		0.00812	1	04/22/2016 10:26	WG865993
Naphthalene	ND		0.0271	1	04/22/2016 10:26	WG865993
Phenanthrene	ND		0.00812	1	04/22/2016 10:26	WG865993
Pyrene	ND		0.00812	1	04/22/2016 10:26	WG865993
1-Methylnaphthalene	ND		0.0271	1	04/22/2016 10:26	WG865993
2-Methylnaphthalene	ND		0.0271	1	04/22/2016 10:26	WG865993
2-Chloronaphthalene	ND		0.0271	1	04/22/2016 10:26	WG865993
(S) Nitrobenzene-d5	*70.3*		*22.1-146*		*04/22/2016 10:26*	WG865993
(S) 2-Fluorobiphenyl	*72.2*		*40.6-122*		*04/22/2016 10:26*	WG865993
(S) p-Terphenyl-d14	*62.7*		*32.2-131*		*04/22/2016 10:26*	WG865993

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/21/2016 07:22	WG865516
Acrolein	ND		50.0	1	04/21/2016 07:22	WG865516
Acrylonitrile	ND		10.0	1	04/21/2016 07:22	WG865516
Benzene	ND		1.00	1	04/21/2016 07:22	WG865516
Bromobenzene	ND		1.00	1	04/21/2016 07:22	WG865516
Bromodichloromethane	ND		1.00	1	04/21/2016 07:22	WG865516
Bromoform	ND		1.00	1	04/21/2016 07:22	WG865516
Bromomethane	ND		5.00	1	04/21/2016 07:22	WG865516
n-Butylbenzene	ND		1.00	1	04/21/2016 07:22	WG865516
sec-Butylbenzene	ND		1.00	1	04/21/2016 07:22	WG865516
tert-Butylbenzene	ND		1.00	1	04/21/2016 07:22	WG865516
Carbon tetrachloride	ND		1.00	1	04/21/2016 07:22	WG865516
Chlorobenzene	ND		1.00	1	04/21/2016 07:22	WG865516
Chlorodibromomethane	ND		1.00	1	04/21/2016 07:22	WG865516
Chloroethane	ND		5.00	1	04/21/2016 07:22	WG865516
2-Chloroethyl vinyl ether	ND		50.0	1	04/21/2016 07:22	WG865516
Chloroform	ND		5.00	1	04/21/2016 07:22	WG865516
Chloromethane	ND		2.50	1	04/21/2016 07:22	WG865516
2-Chlorotoluene	ND		1.00	1	04/21/2016 07:22	WG865516
4-Chlorotoluene	ND		1.00	1	04/21/2016 07:22	WG865516
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/21/2016 07:22	WG865516
1,2-Dibromoethane	ND		1.00	1	04/21/2016 07:22	WG865516
Dibromomethane	ND		1.00	1	04/21/2016 07:22	WG865516
1,2-Dichlorobenzene	ND		1.00	1	04/21/2016 07:22	WG865516
1,3-Dichlorobenzene	ND		1.00	1	04/21/2016 07:22	WG865516
1,4-Dichlorobenzene	ND		1.00	1	04/21/2016 07:22	WG865516
Dichlorodifluoromethane	ND		5.00	1	04/21/2016 07:22	WG865516
1,1-Dichloroethane	ND		1.00	1	04/21/2016 07:22	WG865516
1,2-Dichloroethane	ND		1.00	1	04/21/2016 07:22	WG865516
1,1-Dichloroethene	ND		1.00	1	04/21/2016 07:22	WG865516
cis-1,2-Dichloroethene	ND		1.00	1	04/21/2016 07:22	WG865516
trans-1,2-Dichloroethene	ND		1.00	1	04/21/2016 07:22	WG865516
1,2-Dichloropropane	ND		1.00	1	04/21/2016 07:22	WG865516
1,1-Dichloropropene	ND		1.00	1	04/21/2016 07:22	WG865516
1,3-Dichloropropane	ND		1.00	1	04/21/2016 07:22	WG865516
cis-1,3-Dichloropropene	ND		1.00	1	04/21/2016 07:22	WG865516
trans-1,3-Dichloropropene	ND		1.00	1	04/21/2016 07:22	WG865516
2,2-Dichloropropane	ND		1.00	1	04/21/2016 07:22	WG865516
Di-isopropyl ether	ND		1.00	1	04/21/2016 07:22	WG865516
Ethylbenzene	ND		1.00	1	04/21/2016 07:22	WG865516
Hexachloro-1,3-butadiene	ND		1.00	1	04/21/2016 07:22	WG865516
Isopropylbenzene	ND		1.00	1	04/21/2016 07:22	WG865516
p-Isopropyltoluene	ND		1.00	1	04/21/2016 07:22	WG865516
2-Butanone (MEK)	ND		10.0	1	04/21/2016 07:22	WG865516
Methylene Chloride	ND		5.00	1	04/21/2016 07:22	WG865516
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/21/2016 07:22	WG865516
Methyl tert-butyl ether	ND		1.00	1	04/21/2016 07:22	WG865516
Naphthalene	ND		5.00	1	04/21/2016 07:22	WG865516
n-Propylbenzene	ND		1.00	1	04/21/2016 07:22	WG865516
Styrene	ND		1.00	1	04/21/2016 07:22	WG865516
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/21/2016 07:22	WG865516
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/21/2016 07:22	WG865516
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/21/2016 07:22	WG865516
Tetrachloroethene	ND		1.00	1	04/21/2016 07:22	WG865516
Toluene	ND		5.00	1	04/21/2016 07:22	WG865516
1,2,3-Trichlorobenzene	ND		1.00	1	04/21/2016 07:22	WG865516

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	04/21/2016 07:22	WG865516
1,1,1-Trichloroethane	ND		1.00	1	04/21/2016 07:22	WG865516
1,1,2-Trichloroethane	ND		1.00	1	04/21/2016 07:22	WG865516
Trichloroethene	ND		1.00	1	04/21/2016 07:22	WG865516
Trichlorofluoromethane	ND		5.00	1	04/21/2016 07:22	WG865516
1,2,3-Trichloropropane	ND		2.50	1	04/21/2016 07:22	WG865516
1,2,4-Trimethylbenzene	ND		1.00	1	04/21/2016 07:22	WG865516
1,2,3-Trimethylbenzene	ND		1.00	1	04/21/2016 07:22	WG865516
1,3,5-Trimethylbenzene	ND		1.00	1	04/21/2016 07:22	WG865516
Vinyl chloride	ND		1.00	1	04/21/2016 07:22	WG865516
Xylenes, Total	ND		3.00	1	04/21/2016 07:22	WG865516
(S) Toluene-d8	*106*		*90.0-115*		*04/21/2016 07:22*	WG865516
(S) Dibromofluoromethane	*110*		*79.0-121*		*04/21/2016 07:22*	WG865516
(S) 4-Bromofluorobenzene	*105*		*80.1-120*		*04/21/2016 07:22*	WG865516

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	04/19/2016 04:16	WG865737
(S) a,a,a-Trifluorotoluene(FID)	*100*		*62.0-128*		*04/19/2016 04:16*	WG865737

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	04/20/2016 09:12	WG865995
Acrolein	ND		50.0	1	04/20/2016 09:12	WG865995
Acrylonitrile	ND		10.0	1	04/20/2016 09:12	WG865995
Benzene	ND		1.00	1	04/20/2016 09:12	WG865995
Bromobenzene	ND		1.00	1	04/20/2016 09:12	WG865995
Bromodichloromethane	ND		1.00	1	04/20/2016 09:12	WG865995
Bromoform	ND		1.00	1	04/20/2016 09:12	WG865995
Bromomethane	ND		5.00	1	04/20/2016 09:12	WG865995
n-Butylbenzene	ND		1.00	1	04/20/2016 09:12	WG865995
sec-Butylbenzene	ND		1.00	1	04/20/2016 09:12	WG865995
tert-Butylbenzene	ND		1.00	1	04/20/2016 09:12	WG865995
Carbon tetrachloride	ND		1.00	1	04/20/2016 09:12	WG865995
Chlorobenzene	ND		1.00	1	04/20/2016 09:12	WG865995
Chlorodibromomethane	ND		1.00	1	04/20/2016 09:12	WG865995
Chloroethane	ND		5.00	1	04/20/2016 09:12	WG865995
2-Chloroethyl vinyl ether	ND	J3 J4	50.0	1	04/20/2016 09:12	WG865995
Chloroform	ND		5.00	1	04/20/2016 09:12	WG865995
Chloromethane	ND		2.50	1	04/20/2016 09:12	WG865995
2-Chlorotoluene	ND		1.00	1	04/20/2016 09:12	WG865995
4-Chlorotoluene	ND		1.00	1	04/20/2016 09:12	WG865995
1,2-Dibromo-3-Chloropropane	ND		5.00	1	04/20/2016 09:12	WG865995
1,2-Dibromoethane	ND		1.00	1	04/20/2016 09:12	WG865995
Dibromomethane	ND		1.00	1	04/20/2016 09:12	WG865995
1,2-Dichlorobenzene	ND		1.00	1	04/20/2016 09:12	WG865995
1,3-Dichlorobenzene	ND		1.00	1	04/20/2016 09:12	WG865995
1,4-Dichlorobenzene	ND		1.00	1	04/20/2016 09:12	WG865995
Dichlorodifluoromethane	ND		5.00	1	04/20/2016 09:12	WG865995
1,1-Dichloroethane	ND		1.00	1	04/20/2016 09:12	WG865995
1,2-Dichloroethane	ND		1.00	1	04/20/2016 09:12	WG865995
1,1-Dichloroethene	ND		1.00	1	04/20/2016 09:12	WG865995
cis-1,2-Dichloroethene	ND		1.00	1	04/20/2016 09:12	WG865995
trans-1,2-Dichloroethene	ND		1.00	1	04/20/2016 09:12	WG865995
1,2-Dichloropropane	ND		1.00	1	04/20/2016 09:12	WG865995
1,1-Dichloropropene	ND		1.00	1	04/20/2016 09:12	WG865995
1,3-Dichloropropane	ND		1.00	1	04/20/2016 09:12	WG865995
cis-1,3-Dichloropropene	ND		1.00	1	04/20/2016 09:12	WG865995
trans-1,3-Dichloropropene	ND		1.00	1	04/20/2016 09:12	WG865995
2,2-Dichloropropane	ND		1.00	1	04/20/2016 09:12	WG865995
Di-isopropyl ether	ND		1.00	1	04/20/2016 09:12	WG865995
Ethylbenzene	ND		1.00	1	04/20/2016 09:12	WG865995
Hexachloro-1,3-butadiene	ND		1.00	1	04/20/2016 09:12	WG865995
Isopropylbenzene	ND		1.00	1	04/20/2016 09:12	WG865995
p-Isopropyltoluene	ND		1.00	1	04/20/2016 09:12	WG865995
2-Butanone (MEK)	ND		10.0	1	04/20/2016 09:12	WG865995
Methylene Chloride	ND		5.00	1	04/20/2016 09:12	WG865995
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	04/20/2016 09:12	WG865995
Methyl tert-butyl ether	ND		1.00	1	04/20/2016 09:12	WG865995
Naphthalene	ND		5.00	1	04/20/2016 09:12	WG865995
n-Propylbenzene	ND		1.00	1	04/20/2016 09:12	WG865995

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Styrene	ND		1.00	1	04/20/2016 09:12	WG865995
1,1,1,2-Tetrachloroethane	ND		1.00	1	04/20/2016 09:12	WG865995
1,1,2,2-Tetrachloroethane	ND		1.00	1	04/20/2016 09:12	WG865995
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	04/20/2016 09:12	WG865995
Tetrachloroethene	ND		1.00	1	04/20/2016 09:12	WG865995
Toluene	ND		5.00	1	04/20/2016 09:12	WG865995
1,2,3-Trichlorobenzene	ND		1.00	1	04/20/2016 09:12	WG865995
1,2,4-Trichlorobenzene	ND		1.00	1	04/20/2016 09:12	WG865995
1,1,1-Trichloroethane	ND		1.00	1	04/20/2016 09:12	WG865995
1,1,2-Trichloroethane	ND		1.00	1	04/20/2016 09:12	WG865995
Trichloroethene	ND		1.00	1	04/20/2016 09:12	WG865995
Trichlorofluoromethane	ND		5.00	1	04/20/2016 09:12	WG865995
1,2,3-Trichloropropane	ND		2.50	1	04/20/2016 09:12	WG865995
1,2,4-Trimethylbenzene	ND		1.00	1	04/20/2016 09:12	WG865995
1,2,3-Trimethylbenzene	ND		1.00	1	04/20/2016 09:12	WG865995
1,3,5-Trimethylbenzene	ND		1.00	1	04/20/2016 09:12	WG865995
Vinyl chloride	ND		1.00	1	04/20/2016 09:12	WG865995
Xylenes, Total	ND		3.00	1	04/20/2016 09:12	WG865995
(S) Toluene-d8	*100*		*90.0-115*		*04/20/2016 09:12*	WG865995
(S) Dibromofluoromethane	*98.8*		*79.0-121*		*04/20/2016 09:12*	WG865995
(S) 4-Bromofluorobenzene	*102*		*80.1-120*		*04/20/2016 09:12*	WG865995

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	270		100	1	04/22/2016 14:33	WG866718
Residual Range Organics (RRO)	336		250	1	04/22/2016 14:33	WG866718
(S) o-Terphenyl	*72.1*		*50.0-150*		*04/22/2016 14:33*	WG866718

Method Blank (MB)

(MB) R3130304-1 04/19/16 11:20

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000300			

Original Sample (OS) • Duplicate (DUP)

(OS) L830143-07 04/19/16 11:20 • (DUP) R3130304-3 04/19/16 11:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	69.1	69.3	1	0.244		5

Laboratory Control Sample (LCS)

(LCS) R3130304-2 04/19/16 11:20

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.1	100	85.0-115	

Method Blank (MB)

(MB) R3130284-1 04/19/16 11:08

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

Original Sample (OS) • Duplicate (DUP)

(OS) L830145-11 04/19/16 11:08 • (DUP) R3130284-3 04/19/16 11:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	76.9	77.9	1	1.31		5

Laboratory Control Sample (LCS)

(LCS) R3130284-2 04/19/16 11:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3130203-3 04/18/16 18:58

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
TPHG C6 - C12	U		0.0316	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.4*			*62.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3130203-1 04/18/16 17:49 • (LCSD) R3130203-2 04/18/16 18:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C6 - C12	5.50	5.89	5.61	107	102	66.0-123			4.81	20
(S) a,a,a-Trifluorotoluene(FID)				*99.3*	*98.8*	*62.0-128*				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L829275-01 04/18/16 20:39 • (MS) R3130203-4 04/18/16 19:30 • (MSD) R3130203-5 04/18/16 19:53

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C6 - C12	5.50	0.0621	3.87	3.55	69.3	63.4	1	47.5-136			8.72	20
(S) a,a,a-Trifluorotoluene(FID)					*97.6*	*98.0*		*62.0-128*				

Method Blank (MB)

(MB) R3130881-3 04/21/16 13:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*96.3*			*59.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3130881-1 04/21/16 11:59 • (LCSD) R3130881-2 04/21/16 12:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C6 - C12	5.50	4.90	4.88	89.2	88.7	62.2-127			0.500	20
(S) a,a,a-Trifluorotoluene(FID)				*101*	*102*	*59.0-128*				

Method Blank (MB)

(MB) R3130419-3 04/19/16 17:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	0.0435		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*94.4*			*59.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3130419-1 04/19/16 16:52 • (LCSD) R3130419-2 04/19/16 17:14

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C6 - C12	5.50	5.24	5.22	95.3	94.9	62.2-127			0.440	20
(S) a,a,a-Trifluorotoluene(FID)				*103*	*102*	*59.0-128*				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L830141-10 04/19/16 20:13 • (MS) R3130419-4 04/19/16 19:06 • (MSD) R3130419-5 04/19/16 19:28

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C6 - C12	5.50	ND	22.8	22.8	83.1	82.9	5	20.5-134			0.180	23.8
(S) a,a,a-Trifluorotoluene(FID)					*102*	*101*		*59.0-128*				

Method Blank (MB)

(MB) R3131186-3 04/22/16 12:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*99.7*			*59.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3131186-1 04/22/16 11:40 • (LCSD) R3131186-2 04/22/16 12:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C6 - C12	5.50	5.93	6.05	108	110	62.2-127			1.96	20
(S) a,a,a-Trifluorotoluene(FID)				*101*	*101*	*59.0-128*				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L830622-01 04/22/16 22:30 • (MS) R3131186-4 04/22/16 21:27 • (MSD) R3131186-5 04/22/16 21:48

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C6 - C12	5.50	ND	26.7	28.9	97.1	105	5	20.5-134			8.03	23.8
(S) a,a,a-Trifluorotoluene(FID)					*99.7*	*100*		*59.0-128*				

Method Blank (MB)

(MB) R3131446-3 04/23/16 21:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*98.0*			*59.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3131446-1 04/23/16 20:37 • (LCSD) R3131446-2 04/23/16 20:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C6 - C12	5.50	5.52	5.59	100	102	62.2-127			1.11	20
(S) a,a,a-Trifluorotoluene(FID)				*98.4*	*98.8*	*59.0-128*				

Method Blank (MB)

(MB) R3130911-3 04/21/16 20:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
2-Chloroethyl vinyl ether	U		0.00234	0.0500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100

Method Blank (MB)

(MB) R3130911-3 04/21/16 20:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	0.000335		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*98.9*			*88.7-115*
(S) Dibromofluoromethane	*96.8*			*76.3-123*
(S) a,a,a-Trifluorotoluene	*105*			*87.2-117*
(S) 4-Bromofluorobenzene	*101*			*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3130911-1 04/21/16 20:00 • (LCSD) R3130911-2 04/21/16 20:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0674	0.0689	53.9	55.1	25.3-178			2.12	22.9
Acrylonitrile	0.125	0.0953	0.0951	76.2	76.1	57.8-143			0.170	20
Benzene	0.0250	0.0207	0.0206	82.9	82.4	72.6-120			0.680	20
Bromobenzene	0.0250	0.0227	0.0227	90.7	90.9	80.3-115			0.180	20
Bromodichloromethane	0.0250	0.0214	0.0214	85.7	85.7	75.3-119			0.0700	20
Bromoform	0.0250	0.0212	0.0216	84.9	86.4	69.1-135			1.67	20
Bromomethane	0.0250	0.0275	0.0258	110	103	23.0-191			6.50	20
n-Butylbenzene	0.0250	0.0227	0.0230	90.7	91.9	74.2-134			1.23	20
sec-Butylbenzene	0.0250	0.0223	0.0223	89.2	89.0	77.8-129			0.140	20
tert-Butylbenzene	0.0250	0.0225	0.0227	89.9	90.7	77.2-129			0.970	20
Carbon tetrachloride	0.0250	0.0202	0.0198	80.7	79.1	69.4-129			2.00	20
Chlorobenzene	0.0250	0.0235	0.0228	94.2	91.4	78.9-122			3.03	20
Chlorodibromomethane	0.0250	0.0219	0.0218	87.4	87.1	76.4-126			0.440	20
Chloroethane	0.0250	0.0217	0.0215	86.9	85.9	47.2-147			1.19	20
2-Chloroethyl vinyl ether	0.125	0.0309	0.0240	24.7	19.2	16.7-162		J3	25.1	23.7
Chloroform	0.0250	0.0214	0.0212	85.4	84.7	73.3-122			0.900	20
Chloromethane	0.0250	0.0190	0.0186	76.1	74.4	53.1-135			2.24	20
2-Chlorotoluene	0.0250	0.0234	0.0233	93.6	93.0	74.6-127			0.580	20
4-Chlorotoluene	0.0250	0.0229	0.0228	91.7	91.2	79.5-123			0.490	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0198	0.0212	79.4	84.9	64.9-131			6.75	20
1,2-Dibromoethane	0.0250	0.0228	0.0228	91.2	91.1	78.7-123			0.170	20
Dibromomethane	0.0250	0.0212	0.0217	84.9	86.8	78.5-117			2.20	20
1,2-Dichlorobenzene	0.0250	0.0232	0.0234	92.9	93.6	83.6-119			0.780	20
1,3-Dichlorobenzene	0.0250	0.0234	0.0234	93.8	93.5	75.9-129			0.270	20
1,4-Dichlorobenzene	0.0250	0.0219	0.0224	87.7	89.6	81.0-115			2.10	20
Dichlorodifluoromethane	0.0250	0.0206	0.0202	82.5	80.7	50.9-139			2.17	20
1,1-Dichloroethane	0.0250	0.0212	0.0208	85.0	83.1	71.7-125			2.20	20
1,2-Dichloroethane	0.0250	0.0224	0.0225	89.8	90.2	67.2-121			0.450	20
1,1-Dichloroethene	0.0250	0.0222	0.0218	88.6	87.2	60.6-133			1.63	20
cis-1,2-Dichloroethene	0.0250	0.0217	0.0218	86.9	87.3	76.1-121			0.450	20
trans-1,2-Dichloroethene	0.0250	0.0220	0.0210	87.9	84.0	70.7-124			4.58	20
1,2-Dichloropropane	0.0250	0.0206	0.0210	82.6	83.9	76.9-123			1.59	20
1,1-Dichloropropene	0.0250	0.0227	0.0220	90.7	88.2	71.2-126			2.90	20
1,3-Dichloropropane	0.0250	0.0225	0.0226	89.9	90.5	80.3-114			0.590	20
cis-1,3-Dichloropropene	0.0250	0.0214	0.0216	85.5	86.2	77.3-123			0.910	20
trans-1,3-Dichloropropene	0.0250	0.0217	0.0214	86.6	85.7	73.0-127			1.08	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3130911-1 04/21/16 20:00 • (LCSD) R3130911-2 04/21/16 20:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	0.0206	0.0208	82.4	83.3	61.9-132			1.15	20
Di-isopropyl ether	0.0250	0.0188	0.0185	75.2	74.1	67.2-131			1.49	20
Ethylbenzene	0.0250	0.0234	0.0236	93.6	94.5	78.6-124			0.940	20
Hexachloro-1,3-butadiene	0.0250	0.0205	0.0208	81.8	83.0	69.2-136			1.45	20
Isopropylbenzene	0.0250	0.0223	0.0223	89.3	89.2	79.4-126			0.120	20
p-Isopropyltoluene	0.0250	0.0232	0.0233	92.6	93.2	75.4-132			0.630	20
2-Butanone (MEK)	0.125	0.0763	0.0775	61.1	62.0	44.5-154			1.55	21.3
Methylene Chloride	0.0250	0.0195	0.0197	78.1	78.8	68.2-119			0.950	20
4-Methyl-2-pentanone (MIBK)	0.125	0.0940	0.0984	75.2	78.7	61.1-138			4.60	20
Methyl tert-butyl ether	0.0250	0.0207	0.0210	82.8	83.9	70.2-122			1.32	20
Naphthalene	0.0250	0.0210	0.0219	84.1	87.6	69.9-132			4.14	20
n-Propylbenzene	0.0250	0.0233	0.0238	93.0	95.1	80.2-124			2.19	20
Styrene	0.0250	0.0235	0.0233	94.0	93.4	79.4-124			0.690	20
1,1,1,2-Tetrachloroethane	0.0250	0.0215	0.0216	86.1	86.4	76.7-127			0.370	20
1,1,2,2-Tetrachloroethane	0.0250	0.0196	0.0198	78.6	79.3	78.8-124	J4		0.950	20
Tetrachloroethene	0.0250	0.0246	0.0247	98.4	98.7	71.1-133			0.300	20
Toluene	0.0250	0.0216	0.0216	86.4	86.5	76.7-116			0.110	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0222	0.0222	88.6	89.0	62.6-138			0.390	20
1,2,3-Trichlorobenzene	0.0250	0.0223	0.0229	89.3	91.4	72.5-137			2.29	20
1,2,4-Trichlorobenzene	0.0250	0.0236	0.0239	94.3	95.8	74.0-137			1.54	20
1,1,1-Trichloroethane	0.0250	0.0209	0.0204	83.4	81.8	69.9-127			2.05	20
1,1,2-Trichloroethane	0.0250	0.0221	0.0229	88.5	91.4	81.9-119			3.30	20
Trichloroethene	0.0250	0.0227	0.0229	90.8	91.7	77.2-122			1.05	20
Trichlorofluoromethane	0.0250	0.0219	0.0220	87.8	87.8	51.5-151			0.100	20
1,2,3-Trichloropropane	0.0250	0.0215	0.0222	86.1	88.8	74.0-124			3.00	20
1,2,3-Trimethylbenzene	0.0250	0.0214	0.0217	85.7	86.6	79.4-118			1.01	20
1,2,4-Trimethylbenzene	0.0250	0.0225	0.0225	89.8	90.0	77.1-124			0.190	20
1,3,5-Trimethylbenzene	0.0250	0.0220	0.0222	88.1	88.6	79.0-125			0.540	20
Vinyl chloride	0.0250	0.0217	0.0209	86.9	83.7	58.4-134			3.73	20
Xylenes, Total	0.0750	0.0688	0.0692	91.7	92.3	78.1-123			0.620	20
(S) Toluene-d8				*103*	*103*	*88.7-115*				
(S) Dibromofluoromethane				*99.7*	*97.7*	*76.3-123*				
(S) a,a,a-Trifluorotoluene				*105*	*106*	*87.2-117*				
(S) 4-Bromofluorobenzene				*104*	*104*	*69.7-129*				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L830141-01 04/21/16 23:03 • (MS) R3130911-4 04/21/16 22:05 • (MSD) R3130911-5 04/21/16 22:25

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	0.233	0.227	37.3	36.3	5	10.0-130			2.69	31.5
Acrylonitrile	0.125	ND	0.373	0.385	59.6	61.6	5	39.3-152			3.28	27.2
Benzene	0.0250	ND	0.0815	0.0824	65.2	65.9	5	47.8-131			1.12	22.8
Bromobenzene	0.0250	ND	0.0964	0.0961	77.1	76.9	5	40.0-130			0.270	27.4
Bromodichloromethane	0.0250	ND	0.0892	0.0888	71.4	71.0	5	50.6-128			0.470	22.8
Bromoform	0.0250	ND	0.0886	0.0901	70.9	72.1	5	43.3-139			1.65	25.9
Bromomethane	0.0250	ND	0.0866	0.0848	69.3	67.9	5	5.00-189			2.11	26.7
n-Butylbenzene	0.0250	ND	0.0971	0.0997	77.6	79.7	5	23.6-146			2.66	39.2
sec-Butylbenzene	0.0250	ND	0.0969	0.0995	77.6	79.6	5	31.0-142			2.62	34.7
tert-Butylbenzene	0.0250	ND	0.100	0.100	80.2	80.2	5	36.9-142			0.0700	31.7
Carbon tetrachloride	0.0250	ND	0.0815	0.0803	65.2	64.2	5	46.0-140			1.49	27.2
Chlorobenzene	0.0250	ND	0.0998	0.0993	79.9	79.5	5	44.1-134			0.490	25.7
Chlorodibromomethane	0.0250	ND	0.0928	0.0931	74.2	74.4	5	49.7-134			0.290	24
Chloroethane	0.0250	ND	0.0749	0.0750	59.9	60.0	5	5.00-164			0.220	28.4
2-Chloroethyl vinyl ether	0.125	ND	0.116	0.0731	18.5	11.7	5	5.00-159		J3	45.2	40
Chloroform	0.0250	ND	0.0940	0.0932	75.2	74.5	5	51.2-133			0.890	22.8
Chloromethane	0.0250	ND	0.0551	0.0553	44.0	44.2	5	31.4-141			0.460	24.6
2-Chlorotoluene	0.0250	ND	0.0998	0.100	79.9	80.4	5	36.1-137			0.640	28.9
4-Chlorotoluene	0.0250	ND	0.0962	0.0961	77.0	76.9	5	35.4-137			0.100	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.0773	0.0842	61.9	67.4	5	40.4-138			8.53	30.8
1,2-Dibromoethane	0.0250	ND	0.0929	0.0947	74.3	75.8	5	50.2-133			1.92	23.6
Dibromomethane	0.0250	ND	0.0813	0.0819	65.0	65.6	5	52.4-128			0.840	23
1,2-Dichlorobenzene	0.0250	ND	0.0982	0.102	78.6	81.3	5	34.6-139			3.36	29.9
1,3-Dichlorobenzene	0.0250	ND	0.103	0.104	82.5	83.5	5	28.4-142			1.14	31.2
1,4-Dichlorobenzene	0.0250	ND	0.0938	0.0951	75.0	76.1	5	35.0-133			1.43	31.1
Dichlorodifluoromethane	0.0250	ND	0.0671	0.0681	53.7	54.5	5	31.2-144			1.47	30.2
1,1-Dichloroethane	0.0250	ND	0.0883	0.0886	70.7	70.9	5	49.1-136			0.260	22.9
1,2-Dichloroethane	0.0250	ND	0.0912	0.0911	72.9	72.9	5	47.1-129			0.100	22.7
1,1-Dichloroethene	0.0250	ND	0.0782	0.0781	62.5	62.5	5	36.1-142			0.150	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.0866	0.0875	69.3	70.0	5	50.6-133			0.960	23
trans-1,2-Dichloroethene	0.0250	ND	0.0752	0.0779	60.1	62.3	5	43.8-135			3.53	24.8
1,2-Dichloropropane	0.0250	ND	0.0863	0.0883	69.0	70.7	5	50.3-134			2.33	22.7
1,1-Dichloropropene	0.0250	ND	0.0805	0.0808	64.4	64.6	5	43.0-137			0.310	26.4
1,3-Dichloropropane	0.0250	ND	0.0949	0.0961	75.9	76.9	5	51.4-127			1.23	23.1
cis-1,3-Dichloropropene	0.0250	ND	0.0857	0.0872	68.6	69.8	5	48.4-134			1.74	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.0895	0.0872	71.6	69.8	5	46.6-135			2.52	25.3

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L830141-01 04/21/16 23:03 • (MS) R3130911-4 04/21/16 22:05 • (MSD) R3130911-5 04/21/16 22:25

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	ND	0.0910	0.0884	72.8	70.7	5	45.2-141			2.89	26.6
Di-isopropyl ether	0.0250	ND	0.0831	0.0823	66.5	65.8	5	46.7-140			1.04	23.5
Ethylbenzene	0.0250	ND	0.0994	0.0995	79.5	79.6	5	44.8-135			0.0800	26.9
Hexachloro-1,3-butadiene	0.0250	ND	0.0864	0.0934	69.1	74.7	5	10.0-149			7.76	40
Isopropylbenzene	0.0250	ND	0.0995	0.0990	79.6	79.2	5	41.9-139			0.540	29.3
p-Isopropyltoluene	0.0250	ND	0.0974	0.0991	77.9	79.3	5	27.3-146			1.81	35.1
2-Butanone (MEK)	0.125	ND	0.270	0.281	43.2	44.9	5	23.9-170			3.94	28.3
Methylene Chloride	0.0250	ND	0.0792	0.0781	63.3	62.5	5	46.7-125			1.37	22.2
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.368	0.389	58.9	62.2	5	42.4-146			5.39	26.7
Methyl tert-butyl ether	0.0250	ND	0.0891	0.0892	71.3	71.4	5	50.4-131			0.140	24.8
Naphthalene	0.0250	ND	0.0833	0.0899	66.7	72.0	5	18.4-145			7.64	34
n-Propylbenzene	0.0250	ND	0.100	0.101	80.0	80.7	5	35.2-139			0.810	31.9
Styrene	0.0250	ND	0.100	0.0997	80.2	79.7	5	39.7-137			0.530	28.2
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0995	0.0950	79.6	76.0	5	48.8-136			4.58	25.5
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0857	0.0888	68.6	71.1	5	45.7-140			3.59	26.4
Tetrachloroethene	0.0250	ND	0.0958	0.0974	76.6	77.9	5	37.7-140			1.66	29.2
Toluene	0.0250	ND	0.0864	0.0888	69.1	71.1	5	47.8-127			2.76	24.3
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.0857	0.0874	68.6	69.9	5	35.7-146			1.92	28.8
1,2,3-Trichlorobenzene	0.0250	ND	0.0895	0.0951	71.6	76.1	5	10.0-150			6.13	38.5
1,2,4-Trichlorobenzene	0.0250	ND	0.0975	0.102	78.0	81.9	5	10.0-153			4.79	39.3
1,1,1-Trichloroethane	0.0250	ND	0.0859	0.0886	68.7	70.9	5	49.0-138			3.10	25.3
1,1,2-Trichloroethane	0.0250	ND	0.0987	0.0980	79.0	78.4	5	52.3-132			0.750	23.4
Trichloroethene	0.0250	ND	0.0876	0.0904	70.1	72.3	5	48.0-132			3.13	24.8
Trichlorofluoromethane	0.0250	ND	0.0834	0.0838	66.7	67.0	5	12.8-169			0.460	29.7
1,2,3-Trichloropropane	0.0250	ND	0.0890	0.0927	71.2	74.2	5	44.4-138			4.10	26.3
1,2,3-Trimethylbenzene	0.0250	ND	0.0912	0.0957	73.0	76.6	5	41.0-133			4.79	27.6
1,2,4-Trimethylbenzene	0.0250	ND	0.0958	0.0961	76.6	76.9	5	32.9-139			0.270	30.6
1,3,5-Trimethylbenzene	0.0250	ND	0.0971	0.0966	77.7	77.3	5	37.1-138			0.530	30.6
Vinyl chloride	0.0250	ND	0.0682	0.0679	54.6	54.3	5	32.0-146			0.470	26.3
Xylenes, Total	0.0750	ND	0.296	0.292	79.0	77.9	5	42.7-135			1.44	26.6
(S) Toluene-d8					*102*	*102*		*88.7-115*				
(S) Dibromofluoromethane					*98.4*	*98.5*		*76.3-123*				
(S) a,a,a-Trifluorotoluene					*106*	*104*		*87.2-117*				
(S) 4-Bromofluorobenzene					*105*	*104*		*69.7-129*				

Method Blank (MB)

(MB) R3130759-3 04/21/16 06:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
2-Chloroethyl vinyl ether	U		0.00234	0.0500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100

Method Blank (MB)

(MB) R3130759-3 04/21/16 06:12

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*101*			*88.7-115*
(S) Dibromofluoromethane	*103*			*76.3-123*
(S) a,a,a-Trifluorotoluene	*103*			*87.2-117*
(S) 4-Bromofluorobenzene	*98.2*			*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3130759-1 04/21/16 04:43 • (LCSD) R3130759-2 04/21/16 05:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0567	0.0562	45.4	45.0	25.3-178			0.930	22.9
Acrylonitrile	0.125	0.106	0.101	84.5	81.0	57.8-143			4.12	20
Benzene	0.0250	0.0206	0.0207	82.5	82.7	72.6-120			0.210	20
Bromobenzene	0.0250	0.0225	0.0235	90.1	94.2	80.3-115			4.41	20
Bromodichloromethane	0.0250	0.0214	0.0216	85.5	86.3	75.3-119			1.00	20
Bromoform	0.0250	0.0202	0.0222	80.7	88.8	69.1-135			9.51	20
Bromomethane	0.0250	0.0257	0.0270	103	108	23.0-191			5.03	20
n-Butylbenzene	0.0250	0.0226	0.0230	90.3	92.1	74.2-134			2.04	20
sec-Butylbenzene	0.0250	0.0209	0.0224	83.7	89.7	77.8-129			6.95	20
tert-Butylbenzene	0.0250	0.0215	0.0223	86.1	89.2	77.2-129			3.55	20
Carbon tetrachloride	0.0250	0.0200	0.0201	79.9	80.5	69.4-129			0.740	20
Chlorobenzene	0.0250	0.0218	0.0230	87.1	91.8	78.9-122			5.26	20
Chlorodibromomethane	0.0250	0.0209	0.0216	83.7	86.4	76.4-126			3.11	20
Chloroethane	0.0250	0.0227	0.0224	90.8	89.8	47.2-147			1.12	20
2-Chloroethyl vinyl ether	0.125	0.0205	0.0176	16.4	14.1	16.7-162	J4	J4	15.2	23.7
Chloroform	0.0250	0.0224	0.0226	89.8	90.2	73.3-122			0.520	20
Chloromethane	0.0250	0.0205	0.0201	82.2	80.5	53.1-135			2.01	20
2-Chlorotoluene	0.0250	0.0223	0.0236	89.0	94.5	74.6-127			5.96	20
4-Chlorotoluene	0.0250	0.0221	0.0227	88.4	90.8	79.5-123			2.74	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0217	0.0214	86.7	85.6	64.9-131			1.19	20
1,2-Dibromoethane	0.0250	0.0223	0.0230	89.0	92.1	78.7-123			3.38	20
Dibromomethane	0.0250	0.0216	0.0213	86.3	85.0	78.5-117			1.51	20
1,2-Dichlorobenzene	0.0250	0.0224	0.0237	89.8	94.9	83.6-119			5.57	20
1,3-Dichlorobenzene	0.0250	0.0219	0.0232	87.6	92.9	75.9-129			5.91	20
1,4-Dichlorobenzene	0.0250	0.0216	0.0223	86.5	89.3	81.0-115			3.24	20
Dichlorodifluoromethane	0.0250	0.0243	0.0241	97.1	96.3	50.9-139			0.850	20
1,1-Dichloroethane	0.0250	0.0222	0.0215	88.9	85.8	71.7-125			3.51	20
1,2-Dichloroethane	0.0250	0.0237	0.0237	94.8	94.9	67.2-121			0.0900	20
1,1-Dichloroethene	0.0250	0.0219	0.0221	87.5	88.3	60.6-133			0.940	20
cis-1,2-Dichloroethene	0.0250	0.0217	0.0226	86.7	90.5	76.1-121			4.36	20
trans-1,2-Dichloroethene	0.0250	0.0206	0.0211	82.5	84.4	70.7-124			2.32	20
1,2-Dichloropropane	0.0250	0.0210	0.0211	84.1	84.6	76.9-123			0.630	20
1,1-Dichloropropene	0.0250	0.0223	0.0225	89.1	90.1	71.2-126			1.12	20
1,3-Dichloropropane	0.0250	0.0223	0.0234	89.2	93.5	80.3-114			4.75	20
cis-1,3-Dichloropropene	0.0250	0.0215	0.0215	85.9	85.8	77.3-123			0.120	20
trans-1,3-Dichloropropene	0.0250	0.0220	0.0225	87.9	90.1	73.0-127			2.46	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3130759-1 04/21/16 04:43 • (LCSD) R3130759-2 04/21/16 05:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	0.0215	0.0210	86.0	84.1	61.9-132			2.18	20
Di-isopropyl ether	0.0250	0.0201	0.0199	80.3	79.8	67.2-131			0.730	20
Ethylbenzene	0.0250	0.0216	0.0229	86.4	91.7	78.6-124			5.90	20
Hexachloro-1,3-butadiene	0.0250	0.0209	0.0224	83.5	89.8	69.2-136			7.25	20
Isopropylbenzene	0.0250	0.0211	0.0223	84.6	89.3	79.4-126			5.43	20
p-Isopropyltoluene	0.0250	0.0218	0.0231	87.1	92.2	75.4-132			5.76	20
2-Butanone (MEK)	0.125	0.0767	0.0746	61.4	59.7	44.5-154			2.77	21.3
Methylene Chloride	0.0250	0.0203	0.0202	81.0	81.0	68.2-119			0.100	20
4-Methyl-2-pentanone (MIBK)	0.125	0.106	0.105	84.5	84.1	61.1-138			0.400	20
Methyl tert-butyl ether	0.0250	0.0220	0.0221	87.9	88.4	70.2-122			0.570	20
Naphthalene	0.0250	0.0213	0.0227	85.3	90.9	69.9-132			6.37	20
n-Propylbenzene	0.0250	0.0223	0.0238	89.2	95.0	80.2-124			6.30	20
Styrene	0.0250	0.0217	0.0230	86.9	92.1	79.4-124			5.86	20
1,1,1,2-Tetrachloroethane	0.0250	0.0204	0.0216	81.6	86.4	76.7-127			5.66	20
1,1,2,2-Tetrachloroethane	0.0250	0.0199	0.0207	79.5	82.7	78.8-124			3.99	20
Tetrachloroethene	0.0250	0.0219	0.0233	87.8	93.2	71.1-133			6.02	20
Toluene	0.0250	0.0213	0.0214	85.0	85.6	76.7-116			0.680	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0221	0.0222	88.5	88.9	62.6-138			0.430	20
1,2,3-Trichlorobenzene	0.0250	0.0222	0.0226	88.8	90.5	72.5-137			1.96	20
1,2,4-Trichlorobenzene	0.0250	0.0228	0.0240	91.3	95.8	74.0-137			4.82	20
1,1,1-Trichloroethane	0.0250	0.0212	0.0213	84.8	85.2	69.9-127			0.480	20
1,1,2-Trichloroethane	0.0250	0.0217	0.0227	86.9	90.7	81.9-119			4.34	20
Trichloroethene	0.0250	0.0219	0.0220	87.8	88.0	77.2-122			0.220	20
Trichlorofluoromethane	0.0250	0.0209	0.0213	83.4	85.4	51.5-151			2.34	20
1,2,3-Trichloropropane	0.0250	0.0216	0.0229	86.5	91.6	74.0-124			5.65	20
1,2,3-Trimethylbenzene	0.0250	0.0215	0.0222	86.0	88.6	79.4-118			3.00	20
1,2,4-Trimethylbenzene	0.0250	0.0213	0.0225	85.3	89.9	77.1-124			5.27	20
1,3,5-Trimethylbenzene	0.0250	0.0211	0.0220	84.5	88.0	79.0-125			4.08	20
Vinyl chloride	0.0250	0.0226	0.0220	90.3	88.2	58.4-134			2.39	20
Xylenes, Total	0.0750	0.0651	0.0684	86.9	91.2	78.1-123			4.90	20
(S) Toluene-d8				*104*	*104*	*88.7-115*				
(S) Dibromofluoromethane				*103*	*102*	*76.3-123*				
(S) a,a,a-Trifluorotoluene				*103*	*102*	*87.2-117*				
(S) 4-Bromofluorobenzene				*102*	*106*	*69.7-129*				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L829962-01 04/21/16 10:03 • (MS) R3130759-4 04/21/16 07:48 • (MSD) R3130759-5 04/21/16 08:07

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	0.713	0.712	34.6	34.5	16.5	10.0-130			0.180	31.5
Acrylonitrile	0.125	ND	1.73	1.62	83.9	78.5	16.5	39.3-152			6.71	27.2
Benzene	0.0250	ND	0.352	0.348	85.2	84.3	16.5	47.8-131			1.09	22.8
Bromobenzene	0.0250	ND	0.374	0.370	90.7	89.7	16.5	40.0-130			1.14	27.4
Bromodichloromethane	0.0250	ND	0.358	0.353	86.9	85.7	16.5	50.6-128			1.37	22.8
Bromoform	0.0250	ND	0.300	0.302	72.8	73.1	16.5	43.3-139			0.440	25.9
Bromomethane	0.0250	ND	0.332	0.332	80.4	80.5	16.5	5.00-189			0.0600	26.7
n-Butylbenzene	0.0250	ND	0.377	0.373	91.5	90.4	16.5	23.6-146			1.16	39.2
sec-Butylbenzene	0.0250	ND	0.359	0.365	87.0	88.4	16.5	31.0-142			1.57	34.7
tert-Butylbenzene	0.0250	ND	0.367	0.374	89.0	90.7	16.5	36.9-142			1.85	31.7
Carbon tetrachloride	0.0250	ND	0.308	0.306	74.7	74.1	16.5	46.0-140			0.780	27.2
Chlorobenzene	0.0250	ND	0.366	0.368	88.8	89.1	16.5	44.1-134			0.360	25.7
Chlorodibromomethane	0.0250	ND	0.315	0.324	76.4	78.5	16.5	49.7-134			2.59	24
Chloroethane	0.0250	ND	0.155	0.160	37.5	38.7	16.5	5.00-164			3.16	28.4
2-Chloroethyl vinyl ether	0.125	ND	0.473	0.362	23.0	17.6	16.5	5.00-159			26.6	40
Chloroform	0.0250	0.00572	0.367	0.371	87.6	88.7	16.5	51.2-133			1.20	22.8
Chloromethane	0.0250	ND	0.352	0.349	85.3	84.6	16.5	31.4-141			0.830	24.6
2-Chlorotoluene	0.0250	ND	0.376	0.381	91.2	92.3	16.5	36.1-137			1.26	28.9
4-Chlorotoluene	0.0250	ND	0.363	0.371	88.1	90.0	16.5	35.4-137			2.19	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.301	0.288	73.0	69.9	16.5	40.4-138			4.42	30.8
1,2-Dibromoethane	0.0250	ND	0.351	0.353	85.2	85.7	16.5	50.2-133			0.530	23.6
Dibromomethane	0.0250	ND	0.360	0.349	87.2	84.6	16.5	52.4-128			3.05	23
1,2-Dichlorobenzene	0.0250	ND	0.383	0.382	92.9	92.5	16.5	34.6-139			0.440	29.9
1,3-Dichlorobenzene	0.0250	ND	0.372	0.378	90.3	91.6	16.5	28.4-142			1.47	31.2
1,4-Dichlorobenzene	0.0250	ND	0.353	0.349	85.6	84.6	16.5	35.0-133			1.14	31.1
Dichlorodifluoromethane	0.0250	ND	0.432	0.424	105	103	16.5	31.2-144			1.82	30.2
1,1-Dichloroethane	0.0250	ND	0.362	0.359	87.7	87.1	16.5	49.1-136			0.630	22.9
1,2-Dichloroethane	0.0250	ND	0.395	0.389	95.7	94.2	16.5	47.1-129			1.56	22.7
1,1-Dichloroethene	0.0250	ND	0.346	0.348	83.8	84.3	16.5	36.1-142			0.690	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.365	0.357	88.4	86.5	16.5	50.6-133			2.21	23
trans-1,2-Dichloroethene	0.0250	ND	0.341	0.344	82.8	83.5	16.5	43.8-135			0.840	24.8
1,2-Dichloropropane	0.0250	ND	0.356	0.355	86.3	86.1	16.5	50.3-134			0.210	22.7
1,1-Dichloropropene	0.0250	ND	0.372	0.367	90.3	88.9	16.5	43.0-137			1.49	26.4
1,3-Dichloropropane	0.0250	ND	0.352	0.362	85.3	87.8	16.5	51.4-127			2.97	23.1
cis-1,3-Dichloropropene	0.0250	ND	0.361	0.361	87.6	87.5	16.5	48.4-134			0.160	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.363	0.362	88.1	87.7	16.5	46.6-135			0.440	25.3

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L829962-01 04/21/16 10:03 • (MS) R3130759-4 04/21/16 07:48 • (MSD) R3130759-5 04/21/16 08:07

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	ND	0.354	0.346	85.9	83.9	16.5	45.2-141			2.32	26.6
Di-isopropyl ether	0.0250	ND	0.340	0.334	82.4	81.0	16.5	46.7-140			1.74	23.5
Ethylbenzene	0.0250	ND	0.366	0.368	88.8	89.1	16.5	44.8-135			0.370	26.9
Hexachloro-1,3-butadiene	0.0250	ND	0.379	0.389	91.9	94.3	16.5	10.0-149			2.62	40
Isopropylbenzene	0.0250	ND	0.355	0.362	86.0	87.8	16.5	41.9-139			2.09	29.3
p-Isopropyltoluene	0.0250	ND	0.376	0.384	91.2	93.2	16.5	27.3-146			2.16	35.1
2-Butanone (MEK)	0.125	ND	1.19	1.12	57.7	54.4	16.5	23.9-170			5.98	28.3
Methylene Chloride	0.0250	ND	0.347	0.342	84.2	82.9	16.5	46.7-125			1.58	22.2
4-Methyl-2-pentanone (MIBK)	0.125	ND	1.67	1.61	81.0	77.8	16.5	42.4-146			3.99	26.7
Methyl tert-butyl ether	0.0250	0.0139	0.381	0.369	88.9	86.1	16.5	50.4-131			3.09	24.8
Naphthalene	0.0250	0.0214	0.331	0.331	75.0	75.1	16.5	18.4-145			0.0400	34
n-Propylbenzene	0.0250	ND	0.375	0.380	90.9	92.2	16.5	35.2-139			1.44	31.9
Styrene	0.0250	ND	0.369	0.374	89.4	90.7	16.5	39.7-137			1.35	28.2
1,1,1,2-Tetrachloroethane	0.0250	ND	0.336	0.336	81.5	81.4	16.5	48.8-136			0.0800	25.5
1,1,2,2-Tetrachloroethane	0.0250	ND	0.326	0.321	79.0	77.9	16.5	45.7-140			1.31	26.4
Tetrachloroethene	0.0250	ND	0.357	0.357	86.5	86.5	16.5	37.7-140			0.0100	29.2
Toluene	0.0250	ND	0.363	0.364	88.0	88.3	16.5	47.8-127			0.300	24.3
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.343	0.345	83.1	83.5	16.5	35.7-146			0.490	28.8
1,2,3-Trichlorobenzene	0.0250	ND	0.356	0.363	86.4	87.9	16.5	10.0-150			1.72	38.5
1,2,4-Trichlorobenzene	0.0250	ND	0.391	0.385	94.8	93.4	16.5	10.0-153			1.42	39.3
1,1,1-Trichloroethane	0.0250	ND	0.349	0.335	84.5	81.2	16.5	49.0-138			4.01	25.3
1,1,2-Trichloroethane	0.0250	ND	0.358	0.366	86.9	88.8	16.5	52.3-132			2.22	23.4
Trichloroethene	0.0250	ND	0.365	0.368	88.6	89.2	16.5	48.0-132			0.730	24.8
Trichlorofluoromethane	0.0250	ND	0.121	0.122	29.3	29.6	16.5	12.8-169			1.08	29.7
1,2,3-Trichloropropane	0.0250	ND	0.349	0.353	84.6	85.5	16.5	44.4-138			1.00	26.3
1,2,3-Trimethylbenzene	0.0250	0.0141	0.365	0.358	85.1	83.5	16.5	41.0-133			1.82	27.6
1,2,4-Trimethylbenzene	0.0250	0.0157	0.368	0.375	85.4	87.1	16.5	32.9-139			1.84	30.6
1,3,5-Trimethylbenzene	0.0250	0.00898	0.359	0.363	84.8	85.9	16.5	37.1-138			1.33	30.6
Vinyl chloride	0.0250	ND	0.175	0.375	42.5	90.9	16.5	32.0-146		J3	72.5	26.3
Xylenes, Total	0.0750	0.0179	1.09	1.10	86.2	87.2	16.5	42.7-135			1.09	26.6
(S) Toluene-d8					*105*	*104*		*88.7-115*				
(S) Dibromofluoromethane					*99.5*	*101*		*76.3-123*				
(S) a,a,a-Trifluorotoluene					*103*	*104*		*87.2-117*				
(S) 4-Bromofluorobenzene					*102*	*103*		*69.7-129*				

Method Blank (MB)

(MB) R3130863-3 04/21/16 14:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
2-Chloroethyl vinyl ether	U		0.00234	0.0500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100

Method Blank (MB)

(MB) R3130863-3 04/21/16 14:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*105*			*88.7-115*
(S) Dibromofluoromethane	*91.7*			*76.3-123*
(S) a,a,a-Trifluorotoluene	*104*			*87.2-117*
(S) 4-Bromofluorobenzene	*98.7*			*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3130863-1 04/21/16 12:07 • (LCSD) R3130863-2 04/21/16 12:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0789	0.0836	63.1	66.9	25.3-178			5.79	22.9
Acrylonitrile	0.125	0.115	0.123	92.1	98.3	57.8-143			6.54	20
Benzene	0.0250	0.0212	0.0217	84.9	87.0	72.6-120			2.45	20
Bromobenzene	0.0250	0.0232	0.0238	93.0	95.4	80.3-115			2.52	20
Bromodichloromethane	0.0250	0.0233	0.0232	93.2	92.9	75.3-119			0.390	20
Bromoform	0.0250	0.0237	0.0252	94.8	101	69.1-135			6.24	20
Bromomethane	0.0250	0.0141	0.0147	56.4	58.7	23.0-191			3.94	20
n-Butylbenzene	0.0250	0.0251	0.0256	101	102	74.2-134			1.71	20
sec-Butylbenzene	0.0250	0.0238	0.0244	95.2	97.5	77.8-129			2.41	20
tert-Butylbenzene	0.0250	0.0230	0.0234	91.9	93.6	77.2-129			1.88	20
Carbon tetrachloride	0.0250	0.0182	0.0183	72.6	73.2	69.4-129			0.810	20
Chlorobenzene	0.0250	0.0234	0.0242	93.4	96.7	78.9-122			3.44	20
Chlorodibromomethane	0.0250	0.0228	0.0240	91.1	95.9	76.4-126			5.16	20
Chloroethane	0.0250	0.0205	0.0207	82.0	82.7	47.2-147			0.770	20
2-Chloroethyl vinyl ether	0.125	0.0254	0.0292	20.3	23.3	16.7-162			13.8	23.7
Chloroform	0.0250	0.0214	0.0217	85.6	86.9	73.3-122			1.51	20
Chloromethane	0.0250	0.0192	0.0199	77.0	79.5	53.1-135			3.26	20
2-Chlorotoluene	0.0250	0.0236	0.0239	94.2	95.7	74.6-127			1.60	20
4-Chlorotoluene	0.0250	0.0241	0.0246	96.2	98.4	79.5-123			2.24	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0237	0.0257	94.9	103	64.9-131			7.98	20
1,2-Dibromoethane	0.0250	0.0243	0.0245	97.0	98.0	78.7-123			0.970	20
Dibromomethane	0.0250	0.0227	0.0233	90.8	93.1	78.5-117			2.49	20
1,2-Dichlorobenzene	0.0250	0.0249	0.0252	99.6	101	83.6-119			1.29	20
1,3-Dichlorobenzene	0.0250	0.0248	0.0253	99.2	101	75.9-129			1.88	20
1,4-Dichlorobenzene	0.0250	0.0242	0.0241	96.6	96.6	81.0-115			0.0400	20
Dichlorodifluoromethane	0.0250	0.0221	0.0227	88.3	90.7	50.9-139			2.62	20
1,1-Dichloroethane	0.0250	0.0214	0.0218	85.7	87.0	71.7-125			1.50	20
1,2-Dichloroethane	0.0250	0.0202	0.0209	80.8	83.5	67.2-121			3.33	20
1,1-Dichloroethene	0.0250	0.0200	0.0203	80.2	81.4	60.6-133			1.49	20
cis-1,2-Dichloroethene	0.0250	0.0205	0.0202	81.8	80.6	76.1-121			1.48	20
trans-1,2-Dichloroethene	0.0250	0.0202	0.0197	80.7	78.8	70.7-124			2.47	20
1,2-Dichloropropane	0.0250	0.0251	0.0249	100	99.8	76.9-123			0.520	20
1,1-Dichloropropene	0.0250	0.0203	0.0207	81.2	82.9	71.2-126			2.03	20
1,3-Dichloropropane	0.0250	0.0256	0.0259	103	103	80.3-114			0.850	20
cis-1,3-Dichloropropene	0.0250	0.0246	0.0251	98.6	100	77.3-123			1.80	20
trans-1,3-Dichloropropene	0.0250	0.0265	0.0271	106	109	73.0-127			2.36	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3130863-1 04/21/16 12:07 • (LCSD) R3130863-2 04/21/16 12:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	0.0203	0.0206	81.0	82.3	61.9-132			1.59	20
Di-isopropyl ether	0.0250	0.0233	0.0236	93.1	94.4	67.2-131			1.41	20
Ethylbenzene	0.0250	0.0233	0.0237	93.4	94.8	78.6-124			1.55	20
Hexachloro-1,3-butadiene	0.0250	0.0235	0.0238	94.0	95.2	69.2-136			1.28	20
Isopropylbenzene	0.0250	0.0237	0.0240	94.6	95.8	79.4-126			1.27	20
p-Isopropyltoluene	0.0250	0.0242	0.0245	96.7	97.9	75.4-132			1.22	20
2-Butanone (MEK)	0.125	0.117	0.124	93.3	99.2	44.5-154			6.14	21.3
Methylene Chloride	0.0250	0.0205	0.0210	82.0	83.9	68.2-119			2.26	20
4-Methyl-2-pentanone (MIBK)	0.125	0.142	0.149	114	119	61.1-138			4.92	20
Methyl tert-butyl ether	0.0250	0.0215	0.0225	86.0	90.1	70.2-122			4.62	20
Naphthalene	0.0250	0.0242	0.0250	97.0	99.9	69.9-132			2.98	20
n-Propylbenzene	0.0250	0.0236	0.0240	94.4	96.1	80.2-124			1.84	20
Styrene	0.0250	0.0245	0.0256	98.1	102	79.4-124			4.25	20
1,1,1,2-Tetrachloroethane	0.0250	0.0229	0.0236	91.6	94.3	76.7-127			2.85	20
1,1,2,2-Tetrachloroethane	0.0250	0.0261	0.0269	104	108	78.8-124			3.11	20
Tetrachloroethene	0.0250	0.0227	0.0228	90.9	91.1	71.1-133			0.290	20
Toluene	0.0250	0.0230	0.0236	92.0	94.3	76.7-116			2.37	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0205	0.0210	81.8	83.9	62.6-138			2.54	20
1,2,3-Trichlorobenzene	0.0250	0.0247	0.0252	98.7	101	72.5-137			2.25	20
1,2,4-Trichlorobenzene	0.0250	0.0253	0.0254	101	102	74.0-137			0.310	20
1,1,1-Trichloroethane	0.0250	0.0189	0.0189	75.6	75.7	69.9-127			0.110	20
1,1,2-Trichloroethane	0.0250	0.0244	0.0250	97.8	100	81.9-119			2.32	20
Trichloroethene	0.0250	0.0220	0.0224	88.1	89.6	77.2-122			1.75	20
Trichlorofluoromethane	0.0250	0.0173	0.0179	69.2	71.6	51.5-151			3.31	20
1,2,3-Trichloropropane	0.0250	0.0234	0.0240	93.4	96.2	74.0-124			2.86	20
1,2,3-Trimethylbenzene	0.0250	0.0225	0.0223	90.0	89.4	79.4-118			0.680	20
1,2,4-Trimethylbenzene	0.0250	0.0226	0.0232	90.5	92.9	77.1-124			2.58	20
1,3,5-Trimethylbenzene	0.0250	0.0232	0.0237	92.8	95.0	79.0-125			2.34	20
Vinyl chloride	0.0250	0.0195	0.0203	77.8	81.3	58.4-134			4.37	20
Xylenes, Total	0.0750	0.0710	0.0711	94.7	94.8	78.1-123			0.140	20
(S) Toluene-d8				*102*	*103*	*88.7-115*				
(S) Dibromofluoromethane				*90.7*	*91.8*	*76.3-123*				
(S) a,a,a-Trifluorotoluene				*101*	*102*	*87.2-117*				
(S) 4-Bromofluorobenzene				*99.7*	*101*	*69.7-129*				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L830163-01 04/21/16 16:28 • (MS) R3130863-4 04/21/16 15:20 • (MSD) R3130863-5 04/21/16 15:42

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	0.719	0.359	115	57.4	5	10.0-130	V3	J3	66.9	31.5
Acrylonitrile	0.125	ND	0.988	0.537	158	86.0	5	39.3-152	J5 V3	J3	59.1	27.2
Benzene	0.0250	ND	0.0929	0.106	74.3	84.7	5	47.8-131	V3		13.0	22.8
Bromobenzene	0.0250	ND	0.102	0.117	81.3	93.4	5	40.0-130	V3		13.8	27.4
Bromodichloromethane	0.0250	ND	0.107	0.116	85.2	92.7	5	50.6-128	V3		8.42	22.8
Bromoform	0.0250	ND	0.129	0.117	103	93.5	5	43.3-139	V3		9.74	25.9
Bromomethane	0.0250	ND	0.0684	0.0768	54.8	61.4	5	5.00-189	V3		11.4	26.7
n-Butylbenzene	0.0250	ND	0.0947	0.119	75.8	95.2	5	23.6-146	V3		22.7	39.2
sec-Butylbenzene	0.0250	ND	0.0882	0.118	70.5	94.0	5	31.0-142	V3		28.5	34.7
tert-Butylbenzene	0.0250	ND	0.0876	0.116	70.1	92.8	5	36.9-142	V3		27.8	31.7
Carbon tetrachloride	0.0250	ND	0.0733	0.0922	58.6	73.8	5	46.0-140	V3		22.9	27.2
Chlorobenzene	0.0250	ND	0.0972	0.121	77.8	96.4	5	44.1-134	V3		21.4	25.7
Chlorodibromomethane	0.0250	ND	0.112	0.115	89.9	92.3	5	49.7-134	V3		2.67	24
Chloroethane	0.0250	ND	0.0909	0.102	72.7	81.9	5	5.00-164	V3		11.8	28.4
2-Chloroethyl vinyl ether	0.125	ND	0.210	0.135	33.7	21.6	5	5.00-159		J3	43.8	40
Chloroform	0.0250	ND	0.0938	0.107	75.0	85.6	5	51.2-133	V3		13.2	22.8
Chloromethane	0.0250	ND	0.0904	0.101	72.3	81.2	5	31.4-141	V3		11.5	24.6
2-Chlorotoluene	0.0250	ND	0.0943	0.119	75.4	95.2	5	36.1-137	V3		23.2	28.9
4-Chlorotoluene	0.0250	ND	0.0942	0.120	75.3	96.4	5	35.4-137	V3		24.5	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.172	0.107	138	85.8	5	40.4-138	V3	J3	46.6	30.8
1,2-Dibromoethane	0.0250	ND	0.133	0.118	107	94.7	5	50.2-133	V3		11.8	23.6
Dibromomethane	0.0250	ND	0.124	0.112	99.0	89.6	5	52.4-128	V3		9.91	23
1,2-Dichlorobenzene	0.0250	ND	0.114	0.123	91.0	98.7	5	34.6-139	V3		8.10	29.9
1,3-Dichlorobenzene	0.0250	ND	0.102	0.125	81.6	99.9	5	28.4-142	V3		20.2	31.2
1,4-Dichlorobenzene	0.0250	ND	0.100	0.118	80.4	94.4	5	35.0-133	V3		16.1	31.1
Dichlorodifluoromethane	0.0250	ND	0.0939	0.117	75.1	93.6	5	31.2-144	V3		21.9	30.2
1,1-Dichloroethane	0.0250	ND	0.0940	0.108	75.2	86.3	5	49.1-136	V3		13.7	22.9
1,2-Dichloroethane	0.0250	ND	0.106	0.103	85.0	82.7	5	47.1-129	V3		2.66	22.7
1,1-Dichloroethene	0.0250	ND	0.0825	0.101	66.0	80.6	5	36.1-142	V3		19.9	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.0955	0.100	76.4	80.3	5	50.6-133	V3		5.00	23
trans-1,2-Dichloroethene	0.0250	ND	0.0851	0.0987	68.1	79.0	5	43.8-135	V3		14.8	24.8
1,2-Dichloropropane	0.0250	ND	0.114	0.122	91.1	97.3	5	50.3-134	V3		6.59	22.7
1,1-Dichloropropene	0.0250	ND	0.0805	0.101	64.4	80.7	5	43.0-137	V3		22.5	26.4
1,3-Dichloropropane	0.0250	ND	0.130	0.127	104	102	5	51.4-127	V3		2.52	23.1
cis-1,3-Dichloropropene	0.0250	ND	0.113	0.121	90.6	96.5	5	48.4-134	V3		6.32	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.130	0.130	104	104	5	46.6-135	V3		0.0100	25.3

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L830163-01 04/21/16 16:28 • (MS) R3130863-4 04/21/16 15:20 • (MSD) R3130863-5 04/21/16 15:42

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	ND	0.0844	0.103	67.5	82.5	5	45.2-141	V3		19.9	26.6
Di-isopropyl ether	0.0250	ND	0.110	0.117	87.8	93.5	5	46.7-140	V3		6.30	23.5
Ethylbenzene	0.0250	ND	0.0925	0.117	74.0	93.3	5	44.8-135	V3		23.0	26.9
Hexachloro-1,3-butadiene	0.0250	ND	0.0967	0.110	77.3	87.9	5	10.0-149	V3		12.8	40
Isopropylbenzene	0.0250	ND	0.0910	0.118	72.8	94.2	5	41.9-139	V3		25.7	29.3
p-Isopropyltoluene	0.0250	ND	0.0913	0.118	73.0	94.0	5	27.3-146	V3		25.2	35.1
2-Butanone (MEK)	0.125	ND	1.01	0.536	162	85.8	5	23.9-170	V3	J3	61.5	28.3
Methylene Chloride	0.0250	ND	0.0955	0.103	76.4	82.6	5	46.7-125	V3		7.78	22.2
4-Methyl-2-pentanone (MIBK)	0.125	ND	1.08	0.662	172	106	5	42.4-146	J5 V3	J3	47.6	26.7
Methyl tert-butyl ether	0.0250	ND	0.121	0.106	97.0	84.9	5	50.4-131	V3		13.3	24.8
Naphthalene	0.0250	ND	0.143	0.114	114	91.0	5	18.4-145	V3		22.5	34
n-Propylbenzene	0.0250	ND	0.0898	0.117	71.9	93.4	5	35.2-139	V3		26.1	31.9
1,1,1,2-Tetrachloroethane	0.0250	ND	0.102	0.114	81.3	91.4	5	48.8-136	V3		11.7	25.5
1,1,2,2-Tetrachloroethane	0.0250	ND	0.160	0.128	128	102	5	45.7-140	V3		22.1	26.4
Tetrachloroethene	0.0250	ND	0.0859	0.110	68.7	87.6	5	37.7-140	V3		24.2	29.2
Toluene	0.0250	ND	0.0970	0.115	77.6	92.2	5	47.8-127	V3		17.2	24.3
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.0841	0.100	67.3	80.1	5	35.7-146	V3		17.4	28.8
1,2,3-Trichlorobenzene	0.0250	ND	0.118	0.118	94.6	94.3	5	10.0-150	V3		0.300	38.5
1,2,4-Trichlorobenzene	0.0250	ND	0.118	0.119	94.2	95.2	5	10.0-153	V3		1.08	39.3
1,1,1-Trichloroethane	0.0250	ND	0.0760	0.0939	60.8	75.1	5	49.0-138	V3		21.1	25.3
1,1,2-Trichloroethane	0.0250	ND	0.124	0.120	99.2	96.1	5	52.3-132	V3		3.20	23.4
Trichloroethene	0.0250	ND	0.0876	0.105	70.1	84.2	5	48.0-132	V3		18.3	24.8
Trichlorofluoromethane	0.0250	ND	0.0714	0.0883	57.1	70.6	5	12.8-169	V3		21.2	29.7
1,2,3-Trichloropropane	0.0250	ND	0.150	0.113	120	90.5	5	44.4-138	V3	J3	28.1	26.3
1,2,3-Trimethylbenzene	0.0250	ND	0.0946	0.110	75.7	87.7	5	41.0-133	V3		14.7	27.6
1,2,4-Trimethylbenzene	0.0250	ND	0.0906	0.113	72.5	90.2	5	32.9-139	V3		21.7	30.6
1,3,5-Trimethylbenzene	0.0250	ND	0.0919	0.116	73.5	92.5	5	37.1-138	V3		22.8	30.6
Vinyl chloride	0.0250	ND	0.0821	0.103	65.7	82.0	5	32.0-146	V3		22.1	26.3
Xylenes, Total	0.0750	ND	0.279	0.352	74.3	93.8	5	42.7-135	V3		23.2	26.6
(S) Toluene-d8					*102*	*102*		*88.7-115*				
(S) Dibromofluoromethane					*97.1*	*90.8*		*76.3-123*				
(S) a,a,a-Trifluorotoluene					*97.3*	*101*		*87.2-117*				
(S) 4-Bromofluorobenzene					*98.4*	*100*		*69.7-129*				

Method Blank (MB)

(MB) R3130732-3 04/21/16 02:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Acrolein	U		0.00887	0.0500
Acrylonitrile	U		0.00187	0.0100
Benzene	U		0.000331	0.00100
Bromobenzene	U		0.000352	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
tert-Butylbenzene	U		0.000399	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
2-Chloroethyl vinyl ether	U		0.00301	0.0500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
2-Chlorotoluene	U		0.000375	0.00100
4-Chlorotoluene	U		0.000351	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00500
1,2-Dibromoethane	U		0.000381	0.00100
Dibromomethane	U		0.000346	0.00100
1,2-Dichlorobenzene	U		0.000349	0.00100
1,3-Dichlorobenzene	U		0.000220	0.00100
1,4-Dichlorobenzene	U		0.000274	0.00100
Dichlorodifluoromethane	U		0.000551	0.00500
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
1,1-Dichloropropene	U		0.000352	0.00100
1,3-Dichloropropane	U		0.000366	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100

Method Blank (MB)

(MB) R3130732-3 04/21/16 02:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
trans-1,3-Dichloropropene	U		0.000419	0.00100
2,2-Dichloropropane	U		0.000321	0.00100
Di-isopropyl ether	U		0.000320	0.00100
Ethylbenzene	U		0.000384	0.00100
Hexachloro-1,3-butadiene	U		0.000256	0.00100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000303	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000355	0.00100
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
Trichlorofluoromethane	U		0.00120	0.00500
1,2,3-Trichloropropane	U		0.000807	0.00250
1,2,3-Trimethylbenzene	U		0.000321	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
(S) Toluene-d8	*107*			*90.0-115*
(S) Dibromofluoromethane	*110*			*79.0-121*
(S) 4-Bromofluorobenzene	*104*			*80.1-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3130732-1 04/21/16 00:46 • (LCSD) R3130732-2 04/21/16 01:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0823	0.0812	65.8	65.0	28.7-175			1.32	20.9
Acrolein	0.125	0.187	0.188	150	150	40.4-172			0.160	20
Acrylonitrile	0.125	0.139	0.133	111	106	58.2-145			4.39	20
Benzene	0.0250	0.0245	0.0244	98.0	97.6	73.0-122			0.400	20
Bromobenzene	0.0250	0.0233	0.0238	93.0	95.2	81.5-115			2.25	20
Bromodichloromethane	0.0250	0.0234	0.0232	93.7	93.0	75.5-121			0.790	20
Bromoform	0.0250	0.0231	0.0230	92.5	91.9	71.5-131			0.620	20
Bromomethane	0.0250	0.0253	0.0270	101	108	22.4-187			6.33	20
n-Butylbenzene	0.0250	0.0252	0.0245	101	98.0	75.9-134			2.85	20
sec-Butylbenzene	0.0250	0.0219	0.0219	87.6	87.6	80.6-126			0.0300	20
tert-Butylbenzene	0.0250	0.0220	0.0217	87.9	86.9	79.3-127			1.14	20
Carbon tetrachloride	0.0250	0.0227	0.0227	90.8	90.9	70.9-129			0.140	20
Chlorobenzene	0.0250	0.0224	0.0221	89.6	88.5	79.7-122			1.21	20
Chlorodibromomethane	0.0250	0.0229	0.0235	91.4	94.0	78.2-124			2.74	20
Chloroethane	0.0250	0.0241	0.0280	96.2	112	41.2-153			15.3	20
2-Chloroethyl vinyl ether	0.125	0.102	0.101	81.2	80.9	23.4-162			0.360	23.5
Chloroform	0.0250	0.0244	0.0248	97.5	99.1	73.2-125			1.64	20
Chloromethane	0.0250	0.0268	0.0260	107	104	55.8-134			2.98	20
2-Chlorotoluene	0.0250	0.0201	0.0203	80.2	81.1	76.4-125			1.07	20
4-Chlorotoluene	0.0250	0.0231	0.0231	92.6	92.5	81.5-121			0.0900	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0228	0.0231	91.4	92.5	64.8-131			1.21	20
1,2-Dibromoethane	0.0250	0.0236	0.0239	94.4	95.5	79.8-122			1.15	20
Dibromomethane	0.0250	0.0251	0.0262	101	105	79.5-118			4.07	20
1,2-Dichlorobenzene	0.0250	0.0232	0.0229	92.9	91.7	84.7-118			1.24	20
1,3-Dichlorobenzene	0.0250	0.0219	0.0218	87.4	87.3	77.6-127			0.0900	20
1,4-Dichlorobenzene	0.0250	0.0231	0.0226	92.5	90.5	82.2-114			2.21	20
Dichlorodifluoromethane	0.0250	0.0332	0.0315	133	126	56.0-134			5.25	20
1,1-Dichloroethane	0.0250	0.0254	0.0252	102	101	71.7-127			0.660	20
1,2-Dichloroethane	0.0250	0.0258	0.0258	103	103	65.3-126			0.240	20
1,1-Dichloroethene	0.0250	0.0247	0.0238	99.0	95.1	59.9-137			3.96	20
cis-1,2-Dichloroethene	0.0250	0.0246	0.0240	98.3	96.0	77.3-122			2.36	20
trans-1,2-Dichloroethene	0.0250	0.0238	0.0232	95.1	92.7	72.6-125			2.61	20
1,2-Dichloropropane	0.0250	0.0249	0.0257	99.8	103	77.4-125			3.13	20
1,1-Dichloropropene	0.0250	0.0237	0.0236	94.6	94.5	72.5-127			0.110	20
1,3-Dichloropropane	0.0250	0.0248	0.0248	99.2	99.4	80.6-115			0.150	20
cis-1,3-Dichloropropene	0.0250	0.0264	0.0261	106	105	77.7-124			1.08	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3130732-1 04/21/16 00:46 • (LCSD) R3130732-2 04/21/16 01:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.0250	0.0274	0.0263	110	105	73.5-127			4.19	20
2,2-Dichloropropane	0.0250	0.0237	0.0232	94.9	92.7	61.3-134			2.35	20
Di-isopropyl ether	0.0250	0.0272	0.0269	109	108	65.1-135			0.830	20
Ethylbenzene	0.0250	0.0217	0.0214	86.7	85.6	80.9-121			1.29	20
Hexachloro-1,3-butadiene	0.0250	0.0229	0.0221	91.5	88.2	73.7-133			3.66	20
Isopropylbenzene	0.0250	0.0216	0.0215	86.5	86.0	81.6-124			0.510	20
p-Isopropyltoluene	0.0250	0.0224	0.0223	89.5	89.3	77.6-129			0.240	20
2-Butanone (MEK)	0.125	0.123	0.124	98.3	99.5	46.4-155			1.26	20
Methylene Chloride	0.0250	0.0244	0.0237	97.6	94.6	69.5-120			3.10	20
4-Methyl-2-pentanone (MIBK)	0.125	0.139	0.139	111	112	63.3-138			0.660	20
Methyl tert-butyl ether	0.0250	0.0279	0.0276	112	110	70.1-125			1.21	20
Naphthalene	0.0250	0.0249	0.0249	99.7	99.4	69.7-134			0.340	20
n-Propylbenzene	0.0250	0.0228	0.0228	91.1	91.1	81.9-122			0.0200	20
Styrene	0.0250	0.0241	0.0242	96.2	96.6	79.9-124			0.420	20
1,1,1,2-Tetrachloroethane	0.0250	0.0220	0.0218	87.9	87.1	78.5-125			0.960	20
1,1,2,2-Tetrachloroethane	0.0250	0.0246	0.0253	98.3	101	79.3-123			2.94	20
Tetrachloroethene	0.0250	0.0201	0.0195	80.3	78.1	73.5-130			2.75	20
Toluene	0.0250	0.0225	0.0226	89.9	90.3	77.9-116			0.500	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0242	0.0231	96.6	92.3	62.0-141			4.54	20
1,2,3-Trichlorobenzene	0.0250	0.0243	0.0244	97.3	97.5	75.7-134			0.200	20
1,2,4-Trichlorobenzene	0.0250	0.0254	0.0249	101	99.6	76.1-136			1.78	20
1,1,1-Trichloroethane	0.0250	0.0236	0.0233	94.4	93.2	71.1-129			1.27	20
1,1,2-Trichloroethane	0.0250	0.0231	0.0236	92.5	94.5	81.6-120			2.22	20
Trichloroethene	0.0250	0.0222	0.0217	88.7	86.8	79.5-121			2.11	20
Trichlorofluoromethane	0.0250	0.0201	0.0222	80.4	88.8	49.1-157			9.91	20
1,2,3-Trichloropropane	0.0250	0.0220	0.0225	88.2	89.9	74.9-124			1.90	20
1,2,3-Trimethylbenzene	0.0250	0.0246	0.0241	98.5	96.4	79.9-118			2.09	20
1,2,4-Trimethylbenzene	0.0250	0.0226	0.0227	90.3	90.7	79.0-122			0.410	20
1,3,5-Trimethylbenzene	0.0250	0.0225	0.0225	90.0	90.0	81.0-123			0.0300	20
Vinyl chloride	0.0250	0.0259	0.0248	103	99.1	61.5-134			4.26	20
Xylenes, Total	0.0750	0.0661	0.0658	88.2	87.7	79.2-122			0.490	20
(S) Toluene-d8				*107*	*108*	*90.0-115*				
(S) Dibromofluoromethane				*109*	*110*	*79.0-121*				
(S) 4-Bromofluorobenzene				*101*	*103*	*80.1-120*				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L830160-04 04/21/16 08:10 • (MS) R3130732-4 04/21/16 04:54 • (MSD) R3130732-5 04/21/16 05:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	0.0820	0.0847	65.6	67.7	1	25.0-156			3.18	21.5
Acrolein	0.125	ND	0.209	0.214	167	171	1	34.0-194			2.24	21.5
Acrylonitrile	0.125	ND	0.143	0.157	114	125	1	55.9-161			9.29	20
Benzene	0.0250	ND	0.0262	0.0270	105	108	1	58.6-133			2.71	20
Bromobenzene	0.0250	ND	0.0248	0.0252	99.0	101	1	70.6-125			1.75	20
Bromodichloromethane	0.0250	ND	0.0250	0.0258	100	103	1	69.2-127			2.90	20
Bromoform	0.0250	ND	0.0238	0.0250	95.4	100	1	66.3-140			4.80	20
Bromomethane	0.0250	ND	0.0286	0.0285	114	114	1	16.6-183			0.330	20.5
n-Butylbenzene	0.0250	ND	0.0264	0.0263	106	105	1	64.8-145			0.570	20
sec-Butylbenzene	0.0250	ND	0.0229	0.0235	91.6	93.9	1	66.8-139			2.43	20
tert-Butylbenzene	0.0250	ND	0.0230	0.0238	91.8	95.1	1	67.1-138			3.57	20
Carbon tetrachloride	0.0250	ND	0.0241	0.0245	96.3	97.9	1	60.6-139			1.70	20
Chlorobenzene	0.0250	ND	0.0235	0.0242	94.1	96.9	1	70.1-130			2.93	20
Chlorodibromomethane	0.0250	ND	0.0245	0.0255	97.9	102	1	71.6-132			4.15	20
Chloroethane	0.0250	0.00502	0.0324	0.0290	109	96.1	1	33.3-155			10.8	20
2-Chloroethyl vinyl ether	0.125	ND	0.112	0.113	89.6	90.8	1	5.00-149			1.24	40
Chloroform	0.0250	ND	0.0263	0.0272	105	109	1	66.1-133			3.19	20
Chloromethane	0.0250	ND	0.0278	0.0285	111	114	1	40.7-139			2.66	20
2-Chlorotoluene	0.0250	ND	0.0210	0.0213	84.2	85.4	1	66.9-134			1.37	20
4-Chlorotoluene	0.0250	ND	0.0243	0.0251	97.3	100	1	66.8-134			3.09	20
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.0245	0.0249	97.9	99.8	1	63.9-142			1.93	20.2
1,2-Dibromoethane	0.0250	ND	0.0253	0.0260	101	104	1	73.8-131			2.62	20
Dibromomethane	0.0250	ND	0.0274	0.0278	110	111	1	72.8-127			1.52	20
1,2-Dichlorobenzene	0.0250	ND	0.0249	0.0248	99.5	99.3	1	77.4-127			0.250	20
1,3-Dichlorobenzene	0.0250	ND	0.0231	0.0238	92.4	95.1	1	67.9-136			2.92	20
1,4-Dichlorobenzene	0.0250	ND	0.0247	0.0242	98.6	96.7	1	74.4-123			1.94	20
Dichlorodifluoromethane	0.0250	ND	0.0336	0.0345	135	138	1	42.2-146			2.55	20
1,1-Dichloroethane	0.0250	0.0102	0.0372	0.0379	108	111	1	64.0-134			1.88	20
1,2-Dichloroethane	0.0250	ND	0.0277	0.0286	111	114	1	60.7-132			3.16	20
1,1-Dichloroethene	0.0250	ND	0.0255	0.0265	102	106	1	48.8-144			3.59	20
cis-1,2-Dichloroethene	0.0250	ND	0.0264	0.0263	106	105	1	60.6-136			0.500	20
trans-1,2-Dichloroethene	0.0250	ND	0.0254	0.0254	102	102	1	61.0-132			0.170	20
1,2-Dichloropropane	0.0250	ND	0.0272	0.0278	109	111	1	69.7-130			2.23	20
1,1-Dichloropropene	0.0250	ND	0.0251	0.0258	100	103	1	61.5-136			2.76	20
1,3-Dichloropropane	0.0250	ND	0.0261	0.0272	104	109	1	74.3-123			4.37	20
cis-1,3-Dichloropropene	0.0250	ND	0.0281	0.0291	112	116	1	71.1-129			3.46	20

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L830160-04 04/21/16 08:10 • (MS) R3130732-4 04/21/16 04:54 • (MSD) R3130732-5 04/21/16 05:18

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.0250	ND	0.0280	0.0285	112	114	1	66.3-136			1.80	20
2,2-Dichloropropane	0.0250	ND	0.0254	0.0260	102	104	1	54.9-142			2.18	20
Di-isopropyl ether	0.0250	ND	0.0286	0.0298	115	119	1	59.9-140			3.88	20
Ethylbenzene	0.0250	ND	0.0225	0.0231	89.9	92.3	1	62.7-136			2.59	20
Hexachloro-1,3-butadiene	0.0250	ND	0.0252	0.0239	101	95.5	1	61.1-144			5.38	20.1
Isopropylbenzene	0.0250	ND	0.0225	0.0232	90.1	92.9	1	67.4-136			3.10	20
p-Isopropyltoluene	0.0250	ND	0.0234	0.0240	93.4	95.9	1	62.8-143			2.62	20
2-Butanone (MEK)	0.125	ND	0.129	0.136	103	109	1	45.0-156			5.27	20.8
Methylene Chloride	0.0250	ND	0.0257	0.0264	103	105	1	61.5-125			2.51	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.149	0.156	119	125	1	60.7-150			4.86	20
Methyl tert-butyl ether	0.0250	ND	0.0298	0.0306	119	122	1	61.4-136			2.52	20
Naphthalene	0.0250	ND	0.0267	0.0268	107	107	1	61.8-143			0.340	20
n-Propylbenzene	0.0250	ND	0.0239	0.0244	95.5	97.4	1	63.2-139			2.02	20
Styrene	0.0250	ND	0.0252	0.0259	101	104	1	68.2-133			2.98	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0229	0.0241	91.6	96.3	1	70.5-132			5.01	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0263	0.0275	105	110	1	64.9-145			4.13	20
Tetrachloroethene	0.0250	ND	0.0206	0.0213	82.3	85.2	1	57.4-141			3.45	20
Toluene	0.0250	ND	0.0242	0.0247	96.7	98.8	1	67.8-124			2.20	20
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.0252	0.0255	101	102	1	53.7-150			1.20	20
1,2,3-Trichlorobenzene	0.0250	ND	0.0263	0.0253	105	101	1	65.7-143			3.86	20
1,2,4-Trichlorobenzene	0.0250	ND	0.0271	0.0265	108	106	1	67.0-146			2.12	20
1,1,1-Trichloroethane	0.0250	ND	0.0250	0.0253	99.9	101	1	58.7-134			1.33	20
1,1,2-Trichloroethane	0.0250	ND	0.0250	0.0259	99.9	104	1	74.1-130			3.52	20
Trichloroethene	0.0250	ND	0.0227	0.0238	90.8	95.1	1	48.9-148			4.61	20
Trichlorofluoromethane	0.0250	ND	0.0241	0.0223	96.4	89.2	1	39.9-165			7.76	20
1,2,3-Trichloropropane	0.0250	ND	0.0234	0.0257	93.8	103	1	71.5-134			9.01	20
1,2,3-Trimethylbenzene	0.0250	ND	0.0263	0.0260	105	104	1	62.7-133			1.19	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0238	0.0245	95.2	98.0	1	60.5-137			2.88	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0236	0.0243	94.5	97.3	1	67.9-134			3.01	20
Vinyl chloride	0.0250	ND	0.0263	0.0267	105	107	1	44.3-143			1.69	20
Xylenes, Total	0.0750	ND	0.0698	0.0714	93.0	95.2	1	65.6-133			2.26	20
(S) Toluene-d8					*108*	*108*		*90.0-115*				
(S) Dibromofluoromethane					*111*	*110*		*79.0-121*				
(S) 4-Bromofluorobenzene					*102*	*102*		*80.1-120*				

Method Blank (MB)

(MB) R3130317-3 04/20/16 03:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Acrolein	U		0.00887	0.0500
Acrylonitrile	U		0.00187	0.0100
Benzene	U		0.000331	0.00100
Bromobenzene	U		0.000352	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
n-Butylbenzene	U		0.000361	0.00100
sec-Butylbenzene	U		0.000365	0.00100
tert-Butylbenzene	U		0.000399	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
2-Chloroethyl vinyl ether	U		0.00301	0.0500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
2-Chlorotoluene	U		0.000375	0.00100
4-Chlorotoluene	U		0.000351	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00500
1,2-Dibromoethane	U		0.000381	0.00100
Dibromomethane	U		0.000346	0.00100
1,2-Dichlorobenzene	U		0.000349	0.00100
1,3-Dichlorobenzene	U		0.000220	0.00100
1,4-Dichlorobenzene	U		0.000274	0.00100
Dichlorodifluoromethane	U		0.000551	0.00500
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
1,1-Dichloropropene	U		0.000352	0.00100
1,3-Dichloropropane	U		0.000366	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100

Method Blank (MB)

(MB) R3130317-3 04/20/16 03:23

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
trans-1,3-Dichloropropene	U		0.000419	0.00100
2,2-Dichloropropane	U		0.000321	0.00100
Di-isopropyl ether	U		0.000320	0.00100
Ethylbenzene	U		0.000384	0.00100
Hexachloro-1,3-butadiene	U		0.000256	0.00100
Isopropylbenzene	U		0.000326	0.00100
p-Isopropyltoluene	U		0.000350	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000349	0.00100
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000780	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000303	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000355	0.00100
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100
Trichloroethene	U		0.000398	0.00100
Trichlorofluoromethane	U		0.00120	0.00500
1,2,3-Trichloropropane	U		0.000807	0.00250
1,2,3-Trimethylbenzene	U		0.000321	0.00100
1,2,4-Trimethylbenzene	U		0.000373	0.00100
1,3,5-Trimethylbenzene	U		0.000387	0.00100
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
(S) Toluene-d8	*100*			*90.0-115*
(S) Dibromofluoromethane	*98.8*			*79.0-121*
(S) 4-Bromofluorobenzene	*101*			*80.1-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3130317-1 04/20/16 02:06 • (LCSD) R3130317-2 04/20/16 02:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0543	0.0567	43.4	45.3	28.7-175			4.27	20.9
Acrolein	0.125	0.110	0.113	87.8	90.4	40.4-172			2.89	20
Acrylonitrile	0.125	0.106	0.108	84.4	86.1	58.2-145			1.95	20
Benzene	0.0250	0.0214	0.0220	85.8	87.9	73.0-122			2.43	20
Bromobenzene	0.0250	0.0235	0.0247	93.9	98.6	81.5-115			4.93	20
Bromodichloromethane	0.0250	0.0216	0.0221	86.4	88.6	75.5-121			2.51	20
Bromoform	0.0250	0.0221	0.0227	88.6	90.9	71.5-131			2.52	20
Bromomethane	0.0250	0.0270	0.0275	108	110	22.4-187			1.83	20
n-Butylbenzene	0.0250	0.0235	0.0241	94.1	96.5	75.9-134			2.50	20
sec-Butylbenzene	0.0250	0.0228	0.0239	91.2	95.6	80.6-126			4.70	20
tert-Butylbenzene	0.0250	0.0230	0.0244	92.2	97.7	79.3-127			5.83	20
Carbon tetrachloride	0.0250	0.0196	0.0201	78.3	80.4	70.9-129			2.62	20
Chlorobenzene	0.0250	0.0240	0.0249	96.1	99.4	79.7-122			3.40	20
Chlorodibromomethane	0.0250	0.0223	0.0231	89.2	92.4	78.2-124			3.56	20
Chloroethane	0.0250	0.0230	0.0231	92.2	92.5	41.2-153			0.390	20
2-Chloroethyl vinyl ether	0.125	0.0174	0.0129	13.9	10.3	23.4-162	J4	J3 J4	29.9	23.5
Chloroform	0.0250	0.0224	0.0228	89.7	91.3	73.2-125			1.69	20
Chloromethane	0.0250	0.0211	0.0219	84.6	87.8	55.8-134			3.66	20
2-Chlorotoluene	0.0250	0.0243	0.0252	97.0	101	76.4-125			3.96	20
4-Chlorotoluene	0.0250	0.0234	0.0246	93.7	98.5	81.5-121			4.95	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0226	0.0238	90.6	95.2	64.8-131			4.97	20
1,2-Dibromoethane	0.0250	0.0243	0.0254	97.0	102	79.8-122			4.73	20
Dibromomethane	0.0250	0.0220	0.0225	88.0	90.0	79.5-118			2.18	20
1,2-Dichlorobenzene	0.0250	0.0240	0.0255	96.0	102	84.7-118			5.83	20
1,3-Dichlorobenzene	0.0250	0.0238	0.0250	95.3	100	77.6-127			4.81	20
1,4-Dichlorobenzene	0.0250	0.0227	0.0235	90.9	94.0	82.2-114			3.36	20
Dichlorodifluoromethane	0.0250	0.0259	0.0265	104	106	56.0-134			2.42	20
1,1-Dichloroethane	0.0250	0.0222	0.0223	88.8	89.2	71.7-127			0.520	20
1,2-Dichloroethane	0.0250	0.0235	0.0240	94.1	96.1	65.3-126			2.16	20
1,1-Dichloroethene	0.0250	0.0228	0.0235	91.1	93.9	59.9-137			2.99	20
cis-1,2-Dichloroethene	0.0250	0.0226	0.0234	90.5	93.7	77.3-122			3.46	20
trans-1,2-Dichloroethene	0.0250	0.0221	0.0223	88.4	89.3	72.6-125			1.00	20
1,2-Dichloropropane	0.0250	0.0214	0.0218	85.8	87.2	77.4-125			1.65	20
1,1-Dichloropropene	0.0250	0.0233	0.0240	93.1	95.9	72.5-127			2.90	20
1,3-Dichloropropane	0.0250	0.0239	0.0254	95.7	101	80.6-115			5.84	20
cis-1,3-Dichloropropene	0.0250	0.0222	0.0227	88.6	90.8	77.7-124			2.40	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3130317-1 04/20/16 02:06 • (LCSD) R3130317-2 04/20/16 02:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.0250	0.0222	0.0230	88.9	91.9	73.5-127			3.29	20
2,2-Dichloropropane	0.0250	0.0216	0.0220	86.6	88.0	61.3-134			1.67	20
Di-isopropyl ether	0.0250	0.0197	0.0202	78.7	80.7	65.1-135			2.52	20
Ethylbenzene	0.0250	0.0239	0.0246	95.5	98.2	80.9-121			2.83	20
Hexachloro-1,3-butadiene	0.0250	0.0221	0.0228	88.2	91.3	73.7-133			3.47	20
Isopropylbenzene	0.0250	0.0229	0.0240	91.8	95.8	81.6-124			4.33	20
p-Isopropyltoluene	0.0250	0.0237	0.0248	94.7	99.3	77.6-129			4.73	20
2-Butanone (MEK)	0.125	0.0741	0.0761	59.3	60.9	46.4-155			2.68	20
Methylene Chloride	0.0250	0.0209	0.0209	83.6	83.4	69.5-120			0.200	20
4-Methyl-2-pentanone (MIBK)	0.125	0.103	0.106	82.4	84.8	63.3-138			2.82	20
Methyl tert-butyl ether	0.0250	0.0221	0.0228	88.2	91.1	70.1-125			3.24	20
Naphthalene	0.0250	0.0224	0.0241	89.6	96.3	69.7-134			7.24	20
n-Propylbenzene	0.0250	0.0240	0.0253	96.1	101	81.9-122			5.05	20
Styrene	0.0250	0.0242	0.0253	96.8	101	79.9-124			4.39	20
1,1,1,2-Tetrachloroethane	0.0250	0.0225	0.0231	90.1	92.5	78.5-125			2.67	20
1,1,2,2-Tetrachloroethane	0.0250	0.0208	0.0220	83.0	88.1	79.3-123			5.90	20
Tetrachloroethene	0.0250	0.0243	0.0260	97.1	104	73.5-130			6.76	20
Toluene	0.0250	0.0223	0.0228	89.1	91.2	77.9-116			2.36	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0234	0.0234	93.7	93.6	62.0-141			0.0800	20
1,2,3-Trichlorobenzene	0.0250	0.0225	0.0240	90.0	95.8	75.7-134			6.32	20
1,2,4-Trichlorobenzene	0.0250	0.0243	0.0252	97.0	101	76.1-136			3.71	20
1,1,1-Trichloroethane	0.0250	0.0215	0.0219	85.9	87.5	71.1-129			1.89	20
1,1,2-Trichloroethane	0.0250	0.0235	0.0246	93.9	98.3	81.6-120			4.63	20
Trichloroethene	0.0250	0.0230	0.0234	91.9	93.6	79.5-121			1.76	20
Trichlorofluoromethane	0.0250	0.0214	0.0221	85.8	88.2	49.1-157			2.79	20
1,2,3-Trichloropropane	0.0250	0.0233	0.0247	93.1	98.7	74.9-124			5.83	20
1,2,3-Trimethylbenzene	0.0250	0.0224	0.0231	89.7	92.5	79.9-118			3.10	20
1,2,4-Trimethylbenzene	0.0250	0.0232	0.0241	92.6	96.4	79.0-122			4.05	20
1,3,5-Trimethylbenzene	0.0250	0.0227	0.0240	90.7	96.0	81.0-123			5.68	20
Vinyl chloride	0.0250	0.0234	0.0242	93.5	96.9	61.5-134			3.54	20
Xylenes, Total	0.0750	0.0700	0.0745	93.4	99.4	79.2-122			6.21	20
(S) Toluene-d8				*102*	*103*	*90.0-115*				
(S) Dibromofluoromethane				*99.5*	*99.0*	*79.0-121*				
(S) 4-Bromofluorobenzene				*102*	*103*	*80.1-120*				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L829328-08 04/20/16 03:42 • (MS) R3130317-4 04/20/16 06:00 • (MSD) R3130317-5 04/20/16 06:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	0.840	0.790	33.6	31.6	20	25.0-156			6.17	21.5
Acrolein	0.125	ND	1.75	1.63	69.9	65.3	20	34.0-194			6.75	21.5
Acrylonitrile	0.125	ND	1.81	1.75	72.3	69.9	20	55.9-161			3.39	20
Benzene	0.0250	ND	0.412	0.398	82.5	79.5	20	58.6-133			3.67	20
Bromobenzene	0.0250	ND	0.457	0.454	91.5	90.8	20	70.6-125			0.770	20
Bromodichloromethane	0.0250	ND	0.416	0.419	83.3	83.8	20	69.2-127			0.630	20
Bromoform	0.0250	ND	0.425	0.423	85.1	84.7	20	66.3-140			0.470	20
Bromomethane	0.0250	ND	0.479	0.484	95.8	96.9	20	16.6-183			1.12	20.5
n-Butylbenzene	0.0250	ND	0.446	0.435	89.1	86.9	20	64.8-145			2.53	20
sec-Butylbenzene	0.0250	ND	0.448	0.435	89.6	87.1	20	66.8-139			2.85	20
tert-Butylbenzene	0.0250	ND	0.455	0.444	91.1	88.8	20	67.1-138			2.51	20
Carbon tetrachloride	0.0250	ND	0.387	0.374	77.4	74.8	20	60.6-139			3.41	20
Chlorobenzene	0.0250	ND	0.467	0.454	93.3	90.8	20	70.1-130			2.76	20
Chlorodibromomethane	0.0250	ND	0.415	0.422	83.0	84.5	20	71.6-132			1.71	20
Chloroethane	0.0250	ND	0.419	0.406	83.8	81.1	20	33.3-155			3.22	20
2-Chloroethyl vinyl ether	0.125	ND	0.276	0.288	11.0	11.5	20	5.00-149			4.43	40
Chloroform	0.0250	ND	0.439	0.421	87.7	84.2	20	66.1-133			4.03	20
Chloromethane	0.0250	ND	0.344	0.329	68.7	65.8	20	40.7-139			4.41	20
2-Chlorotoluene	0.0250	ND	0.469	0.454	93.9	90.8	20	66.9-134			3.29	20
4-Chlorotoluene	0.0250	ND	0.452	0.442	90.3	88.4	20	66.8-134			2.14	20
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.380	0.379	76.1	75.8	20	63.9-142			0.320	20.2
1,2-Dibromoethane	0.0250	ND	0.446	0.453	89.2	90.5	20	73.8-131			1.39	20
Dibromomethane	0.0250	ND	0.414	0.400	82.8	79.9	20	72.8-127			3.57	20
1,2-Dichlorobenzene	0.0250	ND	0.453	0.455	90.5	91.0	20	77.4-127			0.520	20
1,3-Dichlorobenzene	0.0250	ND	0.477	0.458	95.4	91.6	20	67.9-136			3.97	20
1,4-Dichlorobenzene	0.0250	ND	0.441	0.424	88.1	84.7	20	74.4-123			3.93	20
Dichlorodifluoromethane	0.0250	ND	0.348	0.338	69.6	67.6	20	42.2-146			2.95	20
1,1-Dichloroethane	0.0250	ND	0.431	0.407	86.2	81.5	20	64.0-134			5.61	20
1,2-Dichloroethane	0.0250	ND	0.452	0.432	90.4	86.3	20	60.7-132			4.59	20
1,1-Dichloroethene	0.0250	ND	0.424	0.399	84.9	79.8	20	48.8-144			6.17	20
cis-1,2-Dichloroethene	0.0250	0.483	0.944	0.905	92.2	84.6	20	60.6-136			4.13	20
trans-1,2-Dichloroethene	0.0250	ND	0.421	0.405	84.1	81.0	20	61.0-132			3.82	20
1,2-Dichloropropane	0.0250	ND	0.423	0.417	84.7	83.5	20	69.7-130			1.40	20
1,1-Dichloropropene	0.0250	ND	0.415	0.401	83.0	80.2	20	61.5-136			3.44	20
1,3-Dichloropropane	0.0250	ND	0.452	0.457	90.3	91.4	20	74.3-123			1.17	20
cis-1,3-Dichloropropene	0.0250	ND	0.425	0.409	84.9	81.8	20	71.1-129			3.81	20

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L829328-08 04/20/16 03:42 • (MS) R3130317-4 04/20/16 06:00 • (MSD) R3130317-5 04/20/16 06:19

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.0250	0.0140	0.428	0.415	82.8	80.1	20	66.3-136			3.18	20
2,2-Dichloropropane	0.0250	ND	0.427	0.408	85.3	81.6	20	54.9-142			4.43	20
Di-isopropyl ether	0.0250	ND	0.399	0.383	79.8	76.6	20	59.9-140			4.14	20
Ethylbenzene	0.0250	ND	0.465	0.463	93.0	92.5	20	62.7-136			0.480	20
Hexachloro-1,3-butadiene	0.0250	ND	0.390	0.392	78.1	78.3	20	61.1-144			0.330	20.1
Isopropylbenzene	0.0250	ND	0.462	0.451	92.4	90.2	20	67.4-136			2.45	20
p-Isopropyltoluene	0.0250	ND	0.453	0.438	90.6	87.5	20	62.8-143			3.51	20
2-Butanone (MEK)	0.125	ND	1.23	1.16	49.1	46.2	20	45.0-156			5.94	20.8
Methylene Chloride	0.0250	ND	0.399	0.380	79.9	76.0	20	61.5-125			5.07	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	1.83	1.82	73.4	72.8	20	60.7-150			0.690	20
Methyl tert-butyl ether	0.0250	ND	0.427	0.414	85.4	82.8	20	61.4-136			3.03	20
Naphthalene	0.0250	ND	0.401	0.413	80.2	82.7	20	61.8-143			3.05	20
n-Propylbenzene	0.0250	ND	0.470	0.455	94.1	91.1	20	63.2-139			3.23	20
Styrene	0.0250	ND	0.474	0.462	94.7	92.5	20	68.2-133			2.41	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.443	0.446	88.5	89.2	20	70.5-132			0.760	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.414	0.406	82.8	81.1	20	64.9-145			2.06	20
Tetrachloroethene	0.0250	0.856	1.34	1.33	96.9	94.0	20	57.4-141			1.09	20
Toluene	0.0250	ND	0.427	0.417	85.4	83.5	20	67.8-124			2.24	20
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.419	0.421	83.9	84.2	20	53.7-150			0.300	20
1,2,3-Trichlorobenzene	0.0250	0.00654	0.429	0.429	84.4	84.4	20	65.7-143			0.0100	20
1,2,4-Trichlorobenzene	0.0250	ND	0.436	0.440	87.2	87.9	20	67.0-146			0.840	20
1,1,1-Trichloroethane	0.0250	ND	0.422	0.398	84.4	79.7	20	58.7-134			5.81	20
1,1,2-Trichloroethane	0.0250	ND	0.466	0.448	93.3	89.7	20	74.1-130			3.93	20
Trichloroethene	0.0250	0.137	0.596	0.566	91.9	85.9	20	48.9-148			5.10	20
Trichlorofluoromethane	0.0250	ND	0.436	0.417	87.2	83.5	20	39.9-165			4.35	20
1,2,3-Trichloropropane	0.0250	ND	0.444	0.442	88.8	88.4	20	71.5-134			0.420	20
1,2,3-Trimethylbenzene	0.0250	ND	0.435	0.424	86.9	84.7	20	62.7-133			2.56	20
1,2,4-Trimethylbenzene	0.0250	ND	0.447	0.435	89.5	87.0	20	60.5-137			2.79	20
1,3,5-Trimethylbenzene	0.0250	ND	0.455	0.442	90.9	88.3	20	67.9-134			2.92	20
Vinyl chloride	0.0250	ND	0.397	0.378	79.5	75.6	20	44.3-143			5.00	20
Xylenes, Total	0.0750	ND	1.38	1.35	91.7	89.8	20	65.6-133			2.09	20
(S) Toluene-d8					*103*	*103*		*90.0-115*				
(S) Dibromofluoromethane					*100*	*96.9*		*79.0-121*				
(S) 4-Bromofluorobenzene					*105*	*104*		*80.1-120*				

Method Blank (MB)

(MB) R3131405-3 04/22/16 23:30

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
(S) Toluene-d8	*95.8*			*88.7-115*
(S) Dibromofluoromethane	*101*			*76.3-123*
(S) α,α,α-Trifluorotoluene	*98.5*			*87.2-117*
(S) 4-Bromofluorobenzene	*91.5*			*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3131405-1 04/22/16 19:35 • (LCSD) R3131405-2 04/22/16 19:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2,4-Trimethylbenzene	0.0250	0.0205	0.0224	81.8	89.7	77.1-124			9.19	20
1,3,5-Trimethylbenzene	0.0250	0.0207	0.0223	82.7	89.2	79.0-125			7.63	20
(S) Toluene-d8				*98.8*	*99.4*	*88.7-115*				
(S) Dibromofluoromethane				*101*	*102*	*76.3-123*				
(S) α,α,α-Trifluorotoluene				*99.0*	*99.2*	*87.2-117*				
(S) 4-Bromofluorobenzene				*95.5*	*94.2*	*69.7-129*				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L830836-20 04/23/16 01:59 • (MS) R3131405-4 04/23/16 00:31 • (MSD) R3131405-5 04/23/16 00:53

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,2,4-Trimethylbenzene	0.0250	ND	0.306	0.316	96.1	99.3	12.75	32.9-139			3.29	30.6
1,3,5-Trimethylbenzene	0.0250	ND	0.303	0.317	95.0	99.3	12.75	37.1-138			4.51	30.6
(S) Toluene-d8					*99.9*	*100*		*88.7-115*				
(S) Dibromofluoromethane					*99.7*	*99.0*		*76.3-123*				
(S) α,α,α-Trifluorotoluene					*98.9*	*99.3*		*87.2-117*				
(S) 4-Bromofluorobenzene					*96.7*	*98.0*		*69.7-129*				

Method Blank (MB)

(MB) R3131165-1 04/22/16 19:24

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	*106*			*50.0-150*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3131165-2 04/22/16 19:36 • (LCSD) R3131165-3 04/22/16 19:49

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Diesel Range Organics (DRO)	30.0	36.4	31.9	121	106	50.0-150			13.3	20
Residual Range Organics (RRO)	30.0	25.6	20.4	85.3	68.0	50.0-150		J3	22.5	20
(S) o-Terphenyl				*82.3*	*74.2*	*50.0-150*				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L830143-19 04/23/16 00:14 • (MS) R3131165-4 04/23/16 00:27 • (MSD) R3131165-5 04/23/16 00:39

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Diesel Range Organics (DRO)	30.0	16.5	70.9	53.7	182	124	1	50.0-150	J5	J3	27.6	20
Residual Range Organics (RRO)	30.0	43.1	113	82.2	235	130	1	50.0-150	J5	J3	32.0	20
(S) o-Terphenyl					*88.9*	*74.4*		*50.0-150*				

Method Blank (MB)

(MB) R3131180-1 04/22/16 11:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Diesel Range Organics (DRO)	U		0.0333	0.100
Residual Range Organics (RRO)	U		0.0833	0.250
(S) o-Terphenyl	*75.1*			*50.0-150*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3131180-2 04/22/16 12:08 • (LCSD) R3131180-3 04/22/16 12:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	0.750	0.512	0.549	68.3	73.1	50.0-150			6.90	20
Residual Range Organics (RRO)	0.750	0.416	0.449	55.5	59.8	50.0-150			7.55	20
(S) o-Terphenyl				*69.2*	*74.1*	*50.0-150*				

Method Blank (MB)

(MB) R3131011-3 04/22/16 05:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.000600	0.00600
Acenaphthene	U		0.000600	0.00600
Acenaphthylene	U		0.000600	0.00600
Benzo(a)anthracene	U		0.000600	0.00600
Benzo(a)pyrene	U		0.000600	0.00600
Benzo(b)fluoranthene	U		0.000600	0.00600
Benzo(g,h,i)perylene	U		0.000600	0.00600
Benzo(k)fluoranthene	U		0.000600	0.00600
Chrysene	U		0.000600	0.00600
Dibenz(a,h)anthracene	U		0.000600	0.00600
Fluoranthene	U		0.000600	0.00600
Fluorene	U		0.000600	0.00600
Indeno(1,2,3-cd)pyrene	U		0.000600	0.00600
Naphthalene	U		0.00200	0.0200
Phenanthrene	U		0.000600	0.00600
Pyrene	U		0.000600	0.00600
1-Methylnaphthalene	U		0.00200	0.0200
2-Methylnaphthalene	U		0.00200	0.0200
2-Chloronaphthalene	U		0.00200	0.0200
(S) p-Terphenyl-d14	*69.4*			*32.2-131*
(S) Nitrobenzene-d5	*75.6*			*22.1-146*
(S) 2-Fluorobiphenyl	*76.9*			*40.6-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3131011-1 04/22/16 04:33 • (LCSD) R3131011-2 04/22/16 04:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0800	0.0577	0.0618	72.1	77.3	50.3-130			6.91	20
Acenaphthene	0.0800	0.0587	0.0627	73.4	78.4	52.4-120			6.60	20
Acenaphthylene	0.0800	0.0579	0.0616	72.4	77.0	49.6-120			6.19	20
Benzo(a)anthracene	0.0800	0.0557	0.0596	69.6	74.5	46.7-125			6.79	20
Benzo(a)pyrene	0.0800	0.0573	0.0601	71.6	75.1	42.3-119			4.75	20
Benzo(b)fluoranthene	0.0800	0.0584	0.0611	72.9	76.4	43.6-124			4.57	20
Benzo(g,h,i)perylene	0.0800	0.0587	0.0628	73.3	78.5	45.1-132			6.78	20
Benzo(k)fluoranthene	0.0800	0.0584	0.0645	73.0	80.6	46.1-131			9.92	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3131011-1 04/22/16 04:33 • (LCSD) R3131011-2 04/22/16 04:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chrysene	0.0800	0.0579	0.0614	72.4	76.8	49.5-131			5.92	20
Dibenz(a,h)anthracene	0.0800	0.0580	0.0623	72.4	77.9	44.8-133			7.24	20
Fluoranthene	0.0800	0.0572	0.0616	71.5	77.0	49.3-128			7.35	20
Fluorene	0.0800	0.0578	0.0614	72.3	76.8	50.6-121			6.04	20
Indeno(1,2,3-cd)pyrene	0.0800	0.0586	0.0628	73.2	78.5	46.1-135			6.95	20
Naphthalene	0.0800	0.0529	0.0571	66.1	71.4	49.6-115			7.58	20
Phenanthrene	0.0800	0.0591	0.0629	73.9	78.6	48.8-121			6.11	20
Pyrene	0.0800	0.0635	0.0678	79.3	84.8	44.7-130			6.59	20
1-Methylnaphthalene	0.0800	0.0600	0.0642	75.0	80.3	50.6-122			6.79	20
2-Methylnaphthalene	0.0800	0.0589	0.0629	73.6	78.6	50.4-120			6.61	20
2-Chloronaphthalene	0.0800	0.0571	0.0607	71.4	75.8	53.9-121			5.95	20
(S) p-Terphenyl-d14				*64.1*	*68.0*	*32.2-131*				
(S) Nitrobenzene-d5				*72.3*	*77.6*	*22.1-146*				
(S) 2-Fluorobiphenyl				*71.7*	*76.8*	*40.6-122*				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L830143-17 04/22/16 13:12 • (MS) R3131011-4 04/22/16 13:33 • (MSD) R3131011-5 04/22/16 13:53

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0800	ND	0.0377	0.0541	47.1	67.6	1	26.5-141		J3	35.7	21.2
Acenaphthene	0.0800	ND	0.0467	0.0558	58.4	69.8	1	31.9-130			17.8	20
Acenaphthylene	0.0800	ND	0.0485	0.0560	60.7	70.0	1	33.7-129			14.3	20
Benzo(a)anthracene	0.0800	ND	0.0291	0.0445	36.4	55.6	1	18.3-136		J3	41.7	24.6
Benzo(a)pyrene	0.0800	ND	0.0308	0.0458	38.5	57.3	1	16.9-135		J3	39.2	25.2
Benzo(b)fluoranthene	0.0800	ND	0.0282	0.0434	35.3	54.3	1	10.0-134		J3	42.4	30.9
Benzo(g,h,i)perylene	0.0800	ND	0.0297	0.0422	37.1	52.7	1	14.1-140		J3	34.9	25.5
Benzo(k)fluoranthene	0.0800	ND	0.0293	0.0431	36.7	53.9	1	18.2-138		J3	38.1	25.6
Chrysene	0.0800	ND	0.0296	0.0451	37.0	56.3	1	17.1-145		J3	41.3	24.2
Dibenz(a,h)anthracene	0.0800	ND	0.0284	0.0421	35.6	52.6	1	18.5-138		J3	38.7	24.3
Fluoranthene	0.0800	ND	0.0325	0.0508	40.6	63.5	1	15.4-144		J3	44.0	27.1
Fluorene	0.0800	ND	0.0428	0.0546	53.5	68.2	1	23.5-136		J3	24.2	20
Indeno(1,2,3-cd)pyrene	0.0800	ND	0.0284	0.0417	35.5	52.1	1	14.5-142		J3	37.9	25.8
Naphthalene	0.0800	ND	0.0469	0.0516	58.7	64.5	1	29.2-128			9.42	20
Phenanthrene	0.0800	ND	0.0385	0.0541	48.2	67.6	1	20.1-134		J3	33.6	23.6
Pyrene	0.0800	ND	0.0357	0.0546	44.6	68.2	1	11.0-148		J3	41.9	26.1

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM L830143-07,08,09,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L830143-17 04/22/16 13:12 • (MS) R3131011-4 04/22/16 13:33 • (MSD) R3131011-5 04/22/16 13:53

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1-Methylnaphthalene	0.0800	ND	0.0506	0.0578	63.3	72.2	1	28.4-137			13.2	20
2-Methylnaphthalene	0.0800	ND	0.0497	0.0566	62.1	70.7	1	26.6-137			12.9	20
2-Chloronaphthalene	0.0800	ND	0.0472	0.0544	59.0	68.0	1	38.6-126			14.2	20
(S) p-Terphenyl-d14					*47.5*	*57.8*		*32.2-131*				
(S) Nitrobenzene-d5					*63.9*	*71.0*		*22.1-146*				
(S) 2-Fluorobiphenyl					*64.5*	*69.9*		*40.6-122*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
V3	The internal standard exhibited poor recovery due to sample matrix interference. The analytical results will be biased high. BDL results will be unaffected.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660
Alaska	UST-080
Arizona	AZ0612
Arkansas	88-0469
California	01157CA
Colorado	TN00003
Conneticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1]	90010
Kentucky [2]	16
Louisiana	AI30792
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [1 4]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

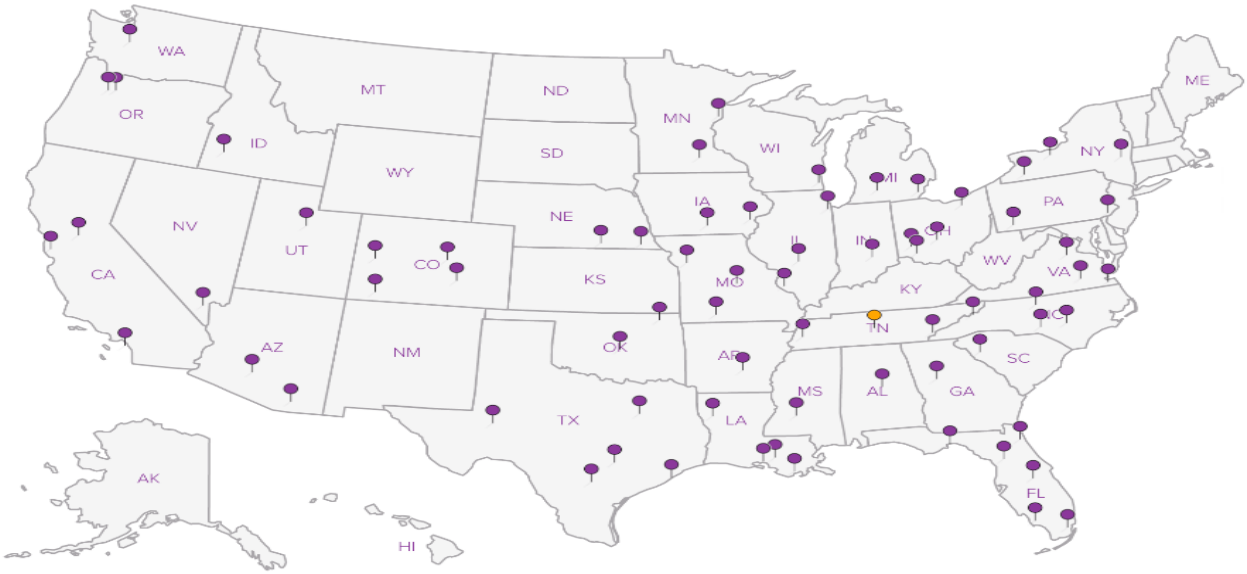
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA	100789
DOD	1461.01
USDA	S-67674

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Chain of Custody Page 1 of 2

ESC LABS SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L830143

K108

Acctnum: GEODESPOR
Template: T111180
Prelogin: P549037
TSR: 358 - Jarred Willis
PB:
Shipped Via:

GeoDesign Inc.
15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Billing Information:
Accounts Payable
15575 SW Sequoia Pkwy. Ste 100
Portland, OR 97224

Report to: Eric Hedberg

Email To: ehedberg@geodesigninc.com; kcline@geodesigninc.com

Project Description: Capstone-12-03

City/State Collected:

Phone: 503-968-8787
Fax:

Client Project #

Lab Project # GEODESPOR-CAPSTONE

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):
Immediately Packed on Ice N____ Y____

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270PAHSIM / NWTPHDx 4ozClr-NoPres	HCID / PCBs / RCRA8 4ozClr-NoPres	NWTPHDx 100ml Amb-HCl ≤2	NWTPHGx / VOCs 8260 40ml/NaHSO4/Syr/MeOH	NWTPHGx 40mlAmb HCl	PAHs 8270D-SIM 40mlAmb-NoPres-WT	PCBs 8082 100ml Amb-NoPres	Total RCRA8 Metals 500mlHDPE-HNO3 ≤2	VOCs 8260 40mlAmb-HCl	VOCs 8260- Trip Blk 40mlAmb-HCl-Blk	Rem./Contaminant	Sample # (lab only)
DP-5	GRAB	GW		4-14-16	1200	13			X		X				X			-01
DP-9		GW		↓	1445				X		X				X			-02
DP-10		GW		4-15-16	0810				X		X				X			-03
DP-13		GW			0905				X		X				X			-04
DP-14		GW			1050				X		X				X			-05
DP-17		GW		↓	1345	↓ 12 16			X		X				X			-06
DP-1(15.5-16.5)		SS		4-14-16	0755	5	X			X								-07
DP-2(14.5-12.5)		SS			0925		X			X								-08
DP-3(11.5-12.5		SS			1005		X			X								-09
DP-4(11.5-12.5)	↓	SS			1050	↓	X			X								-10

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: SOIL & GW DX ONLY
NO SPACES IN SAMPLE NAME

pH _____ Temp _____
Flow _____ Other _____

Hold #

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Condition: OK (lab use only) G710

Temp: 3.2 °C Bottles Received: 18

COC Seal Intact: ___Y ___N ✓NA

pH Checked: NCF: X

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	4-15-16	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Dale Tz

Date: 4-16-16 Time: 900

GeoDesign Inc.
15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Billing Information:
Accounts Payable
15575 SW Sequoia Pkwy. Ste 100
Portland, OR 97224

Report to: Eric Hedberg
Email To: ehedberg@geodesigninc.com; kcline@geodesigninc.com

Project Description: Capstone-12-03
City/State Collected:

Phone: 503-968-8787
Fax:
Client Project #
Lab Project # GEODESPOR-CAPSTONE

Collected by (print):
Site/Facility ID #
P.O. #

Collected by (signature):
Immediately Packed on Ice N____ Y____

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Chain of Custody Page 2 of 3

ESC LABS
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L830143
Table #
Acctnum: GEODESPOR
Template: T111180
Prelogin: P549037
TSR: 358 - Jarred Willis
PB:
Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270PAHSIM / NWTPHDx 4ozClr-NoPres	HCID / PCBs / RCRA8 4ozClr-NoPres	NWTPHDx 100ml Amb-HCl	NWTPHGx / VOCs 8260 40ml/NaHSO4/Syr/MeOH	NWTPHGx 40mlAmb HCl	PAHs 8270D-SIM 40mlAmb-NoPres-WT	PCBs 8082 100ml Amb-NoPres	Total RCRA8 Metals 500mlHDPE-HNO3	VOCs 8260 40mlAmb-HCl	VOCs 8260- Trip Blk 40mlAmb-HCl-Blk	Rem./Contaminant	Sample # (lab only)
DP-5 (15.5-16.5)	GRAB	SS		4.14.16	1125	5	X			X								-11
DP-6 (11.0-12.0)		SS			1315		X			X								-12
DP-7 (10.0-11.0)		SS			1345		X			X								-13
DP-8 (5.0-6.0)		SS			1410		X			X								-14
DP-9 (11.0-12.0)		SS			1435		X			X								-15
DP-10 (12.0-13.0)		SS		4.15.16	0755		X			X								-16
DP-11 (11.0-12.0)		SS			0840		X			X								-17
DP-12 (1.5-2.5)		SS			0905		X			X								-18
DP-13 (1.0-2.0)		SS			0930		X			X								-19
DP-14 (10.0-11.0)		SS			1025		X			X								-20

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks: SOIL GX, OX ONLY NO SPACES IN SAMPLE NAME

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	4.15.16	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____
Temp: 3.2 °C Bottles Received: 181
Date: 4-16-16 Time: 940

Condition: (lab use only) GOOD
COC Seal Intact: ____Y ____N ✓NA
pH Checked: NCF: X

Chain of Custody Page 3 of 3

ESC LABS

YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L820143

Table #

Acctnum: GEODESPOR

Template: T111180

Prelogin: P549037

TSR: 358 - Jarred Willis

PB:

Shipped Via:

GeoDesign Inc.

15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Billing Information:

Accounts Payable
15575 SW Sequoia Pkwy. Ste 100
Portland, OR 97224

Report to: **Eric Hedberg**

Email To: ehedberg@geodesigninc.com; kcline@geodesigninc.com

Project Description: **Capstone-12-03**

City/State Collected:

Phone: **503-968-8787**
Fax:

Client Project #

Lab Project # **GEODESPOR-CAPSTONE**

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270PAHSIM / NWTPHDx 4ozClr-NoPres	HCID / PCBs / RCRA8 4ozClr-NoPres	NWTPHDx 100ml Amb-HCl <2	NWTPHGx / VOCs 8260 40ml/NaHSO4/Syr/MeOH	NWTPHGx 40mlAmb HCl	PAHs 8270D-SIM 40mlAmb-NoPres-WT	PCBs 8082 100ml Amb-NoPres	Total RCRA8 Metals 500mlHDPE-HNO3 <2	VOCs 8260 40mlAmb-HCl	VOCs 8260- Trip Blk 40mlAmb-HCl-Blk	Rem./Contaminant	Sample # (lab only)
DP-15 (15.0-16.0)	GRAB	SS		4.15.16	1135	5	X			X								-21
DP-16 (8.0-9.0)		SS			1255		X			X								-22
DP-17 (7.0-8.0)		SS			1315		X			X								-23
DP-18 (8.0-8.5)		SS			1420		X			X								-24
		SS																
		SS																
		SS																-25
TRIP BLANK		GW				1												-26
DP-15		GW		4.14.16	0735	13												
		SS																

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks: - Soil 6x Ox Hydro OPT NO SPACES IN SAMPLE NAME

pH _____ Temp _____

Flow _____ Other _____

Hold #

Condition: ok (lab use only) GOOD

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____

Temp: 3.2 °C Bottles Received: 18

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF: X

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4.15.16	1640	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Dabby

Date: 4-16-16 Time: 940

Andy Vann

ESC Lab Sciences
Non-Conformance Form

Login #:L830143	Client:GEODESPOR	Date:04/16/16	Evaluated by:Dakota B.

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time	x	Login Clarification Needed		**If Broken Container:**
	Improper temperature		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	Improper preservation		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Couri
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments:No Analysis marked for DP-1

Client informed by:		Call		Email	X	Voice Mail		Date: 04/18/16	Time: 1305
TSR Initials: JCR	Client Contact: Erik Hedberg								

Login Instructions:

Log DP-1 for NWTPHDX, NWTPHGX and V8260.

ANALYTICAL REPORT

May 04, 2016

GeoDesign Inc.

Sample Delivery Group:	L831680
Samples Received:	04/16/2016
Project Number:	
Description:	Capstone-12-03

Report To: Erik Hedberg
15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Entire Report Reviewed By:

Jarred Willis
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 4

[5]Sr: Sample Results 5

DP-14 L831680-01 5

DP-17 L831680-02 6

DP-12(1.5-2.5) L831680-03 7

DP-13(1.0-2.0) L831680-04 8

DP-14(10.0-11.0) L831680-05 9

DP-17(7.0-8.0) L831680-06 10

[6]Qc: Quality Control Summary 11

Total Solids by Method 2540 G-2011 11

Mercury by Method 7470A 12

Mercury by Method 7471A 13

Metals (ICP) by Method 6010B 14

Polychlorinated Biphenyls (GC) by Method 8082 16

[7]Gl: Glossary of Terms 17

[8]Al: Accreditations & Locations 18

[9]Sc: Chain of Custody 19

DP-14 L831680-01 GW

Collected by | Collected date/time 04/15/16 10:50 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG868203	1	04/28/16 09:30	04/28/16 16:07	TRB
Metals (ICP) by Method 6010B	WG868128	1	04/28/16 11:27	04/29/16 01:57	LTB

DP-17 L831680-02 GW

Collected by | Collected date/time 04/15/16 13:45 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG868203	1	04/28/16 09:30	04/28/16 16:16	TRB
Metals (ICP) by Method 6010B	WG868128	1	04/28/16 11:27	04/29/16 01:59	LTB

DP-12(1.5-2.5) L831680-03 Solid

Collected by | Collected date/time 04/15/16 09:00 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG867991	1	04/27/16 16:24	04/28/16 13:50	TRB
Metals (ICP) by Method 6010B	WG868126	1	04/28/16 11:05	04/29/16 09:05	CCE
Polychlorinated Biphenyls (GC) by Method 8082	WG868416	1	04/28/16 22:10	04/29/16 17:42	VKS
Total Solids by Method 2540 G-2011	WG865851	1	04/19/16 10:57	04/19/16 11:08	KDW

DP-13(1.0-2.0) L831680-04 Solid

Collected by | Collected date/time 04/15/16 09:30 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG867991	1	04/27/16 16:24	04/28/16 13:52	TRB
Metals (ICP) by Method 6010B	WG868126	1	04/28/16 11:05	04/29/16 00:08	JDG
Metals (ICP) by Method 6010B	WG868126	5	04/28/16 11:05	04/28/16 20:57	JDG
Polychlorinated Biphenyls (GC) by Method 8082	WG868416	1	04/28/16 22:10	04/29/16 17:57	VKS
Total Solids by Method 2540 G-2011	WG865851	1	04/19/16 10:57	04/19/16 11:08	KDW

DP-14(10.0-11.0) L831680-05 Solid

Collected by | Collected date/time 04/15/16 10:25 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG867991	1	04/27/16 16:24	04/28/16 14:00	TRB
Metals (ICP) by Method 6010B	WG868126	1	04/28/16 11:05	04/28/16 21:00	ST
Polychlorinated Biphenyls (GC) by Method 8082	WG868416	1	04/28/16 22:10	04/29/16 18:11	VKS
Total Solids by Method 2540 G-2011	WG865851	1	04/19/16 10:57	04/19/16 11:08	KDW

DP-17(7.0-8.0) L831680-06 Solid

Collected by | Collected date/time 04/15/16 13:15 | Received date/time 04/16/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG867991	1	04/27/16 16:24	04/28/16 14:03	TRB
Metals (ICP) by Method 6010B	WG868126	1	04/28/16 11:05	04/28/16 21:02	ST
Polychlorinated Biphenyls (GC) by Method 8082	WG868416	1	04/28/16 22:10	04/29/16 18:26	VKS
Total Solids by Method 2540 G-2011	WG865851	1	04/19/16 10:57	04/19/16 11:08	KDW

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jarred Willis
Technical Service Representative

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	04/28/2016 16:07	WG868203

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Arsenic	ND		10.0	1	04/29/2016 01:57	WG868128
Barium	789		5.00	1	04/29/2016 01:57	WG868128
Cadmium	3.85		2.00	1	04/29/2016 01:57	WG868128
Chromium	14.1		10.0	1	04/29/2016 01:57	WG868128
Lead	1230		5.00	1	04/29/2016 01:57	WG868128
Selenium	ND		10.0	1	04/29/2016 01:57	WG868128
Silver	ND		5.00	1	04/29/2016 01:57	WG868128

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Mercury	ND		0.200	1	04/28/2016 16:16	WG868203

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	ug/l		ug/l		date / time	
Arsenic	ND		10.0	1	04/29/2016 01:59	WG868128
Barium	93.5		5.00	1	04/29/2016 01:59	WG868128
Cadmium	ND		2.00	1	04/29/2016 01:59	WG868128
Chromium	ND		10.0	1	04/29/2016 01:59	WG868128
Lead	5.40		5.00	1	04/29/2016 01:59	WG868128
Selenium	ND		10.0	1	04/29/2016 01:59	WG868128
Silver	ND		5.00	1	04/29/2016 01:59	WG868128

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	71.4		1	04/19/2016 11:08	WG865851

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.108		0.0280	1	04/28/2016 13:50	WG867991

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	11.1		2.80	1	04/29/2016 09:05	WG868126
Barium	700		0.700	1	04/29/2016 09:05	WG868126
Cadmium	3.80		0.700	1	04/29/2016 09:05	WG868126
Chromium	16.2		1.40	1	04/29/2016 09:05	WG868126
Lead	1780		0.700	1	04/29/2016 09:05	WG868126
Selenium	ND		2.80	1	04/29/2016 09:05	WG868126
Silver	ND		1.40	1	04/29/2016 09:05	WG868126

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
PCB 1016	ND		0.0238	1	04/29/2016 17:42	WG868416
PCB 1221	ND		0.0238	1	04/29/2016 17:42	WG868416
PCB 1232	ND		0.0238	1	04/29/2016 17:42	WG868416
PCB 1242	ND		0.0238	1	04/29/2016 17:42	WG868416
PCB 1248	ND		0.0238	1	04/29/2016 17:42	WG868416
PCB 1254	ND		0.0238	1	04/29/2016 17:42	WG868416
PCB 1260	ND		0.0238	1	04/29/2016 17:42	WG868416
(S) Decachlorobiphenyl	*23.2*		*10.0-143*		*04/29/2016 17:42*	WG868416
(S) Tetrachloro-m-xylene	*66.2*		*29.2-144*		*04/29/2016 17:42*	WG868416

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.4		1	04/19/2016 11:08	WG865851

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.378		0.0269	1	04/28/2016 13:52	WG867991

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	13.3		2.69	1	04/29/2016 00:08	WG868126
Barium	1580		3.36	5	04/28/2016 20:57	WG868126
Cadmium	2.48		0.672	1	04/29/2016 00:08	WG868126
Chromium	23.7		1.34	1	04/29/2016 00:08	WG868126
Lead	3550		0.672	1	04/29/2016 00:08	WG868126
Selenium	ND		2.69	1	04/29/2016 00:08	WG868126
Silver	ND		6.72	5	04/28/2016 20:57	WG868126

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
PCB 1016	ND		0.0228	1	04/29/2016 17:57	WG868416
PCB 1221	ND		0.0228	1	04/29/2016 17:57	WG868416
PCB 1232	ND		0.0228	1	04/29/2016 17:57	WG868416
PCB 1242	ND		0.0228	1	04/29/2016 17:57	WG868416
PCB 1248	ND		0.0228	1	04/29/2016 17:57	WG868416
PCB 1254	ND		0.0228	1	04/29/2016 17:57	WG868416
PCB 1260	ND		0.0228	1	04/29/2016 17:57	WG868416
(S) Decachlorobiphenyl	*43.5*		*10.0-143*		*04/29/2016 17:57*	WG868416
(S) Tetrachloro-m-xylene	*77.4*		*29.2-144*		*04/29/2016 17:57*	WG868416

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.1		1	04/19/2016 11:08	WG865851

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0601		0.0274	1	04/28/2016 14:00	WG867991

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	10.8		2.74	1	04/28/2016 21:00	WG868126
Barium	149		0.684	1	04/28/2016 21:00	WG868126
Cadmium	ND		0.684	1	04/28/2016 21:00	WG868126
Chromium	14.7		1.37	1	04/28/2016 21:00	WG868126
Lead	49.9		0.684	1	04/28/2016 21:00	WG868126
Selenium	ND		2.74	1	04/28/2016 21:00	WG868126
Silver	ND		1.37	1	04/28/2016 21:00	WG868126

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
PCB 1016	ND		0.0233	1	04/29/2016 18:11	WG868416
PCB 1221	ND		0.0233	1	04/29/2016 18:11	WG868416
PCB 1232	ND		0.0233	1	04/29/2016 18:11	WG868416
PCB 1242	ND		0.0233	1	04/29/2016 18:11	WG868416
PCB 1248	ND		0.0233	1	04/29/2016 18:11	WG868416
PCB 1254	ND		0.0233	1	04/29/2016 18:11	WG868416
PCB 1260	ND		0.0233	1	04/29/2016 18:11	WG868416
(S) Decachlorobiphenyl	*54.8*		*10.0-143*		*04/29/2016 18:11*	WG868416
(S) Tetrachloro-m-xylene	*76.5*		*29.2-144*		*04/29/2016 18:11*	WG868416

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.5		1	04/19/2016 11:08	WG865851

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0268	1	04/28/2016 14:03	WG867991

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	4.91		2.68	1	04/28/2016 21:02	WG868126
Barium	142		0.671	1	04/28/2016 21:02	WG868126
Cadmium	ND		0.671	1	04/28/2016 21:02	WG868126
Chromium	12.0		1.34	1	04/28/2016 21:02	WG868126
Lead	34.7		0.671	1	04/28/2016 21:02	WG868126
Selenium	ND		2.68	1	04/28/2016 21:02	WG868126
Silver	ND		1.34	1	04/28/2016 21:02	WG868126

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
PCB 1016	ND		0.0228	1	04/29/2016 18:26	WG868416
PCB 1221	ND		0.0228	1	04/29/2016 18:26	WG868416
PCB 1232	ND		0.0228	1	04/29/2016 18:26	WG868416
PCB 1242	ND		0.0228	1	04/29/2016 18:26	WG868416
PCB 1248	ND		0.0228	1	04/29/2016 18:26	WG868416
PCB 1254	ND		0.0228	1	04/29/2016 18:26	WG868416
PCB 1260	ND		0.0228	1	04/29/2016 18:26	WG868416
(S) Decachlorobiphenyl	*46.2*		*10.0-143*		*04/29/2016 18:26*	WG868416
(S) Tetrachloro-m-xylene	*86.8*		*29.2-144*		*04/29/2016 18:26*	WG868416

Method Blank (MB)

(MB) R3130284-1 04/19/16 11:08

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000			

Original Sample (OS) • Duplicate (DUP)

(OS) L830145-11 04/19/16 11:08 • (DUP) R3130284-3 04/19/16 11:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	76.9	77.9	1	1.31		5

Laboratory Control Sample (LCS)

(LCS) R3130284-2 04/19/16 11:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3132378-1 04/28/16 15:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.000049	0.000200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3132378-2 04/28/16 15:49 • (LCSD) R3132378-3 04/28/16 15:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	0.00277	0.00300	92	100	80-120			8	20

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L831808-06 04/28/16 15:53 • (MS) R3132378-4 04/28/16 15:55 • (MSD) R3132378-5 04/28/16 15:58

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	ND	0.00267	0.00281	89	94	1	75-125			5	20

Method Blank (MB)

(MB) R3132315-1 04/28/16 13:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0028	0.0200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3132315-2 04/28/16 13:16 • (LCSD) R3132315-3 04/28/16 13:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.281	0.268	94	89	80-120			5	20

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L831629-01 04/28/16 13:22 • (MS) R3132315-4 04/28/16 13:29 • (MSD) R3132315-5 04/28/16 13:32

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.0273	0.280	0.292	84	88	1	75-125			4	20

Method Blank (MB)

(MB) R3132404-1 04/28/16 20:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.65	2.00
Barium	U		0.17	0.500
Cadmium	U		0.07	0.500
Chromium	U		0.14	1.00
Lead	U		0.19	0.500
Selenium	U		0.74	2.00
Silver	U		0.28	1.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3132404-2 04/28/16 20:13 • (LCSD) R3132404-3 04/28/16 20:16

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	100	96.2	99.7	96	100	80-120			4	20
Barium	100	98.3	102	98	102	80-120			4	20
Cadmium	100	98.4	102	98	102	80-120			4	20
Chromium	100	96.3	100	96	100	80-120			4	20
Lead	100	99.4	103	99	103	80-120			3	20
Selenium	100	99.4	103	99	103	80-120			4	20
Silver	100	93.6	97.3	94	97	80-120			4	20

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L831814-02 04/28/16 20:18 • (MS) R3132404-6 04/28/16 20:26 • (MSD) R3132404-7 04/28/16 20:29

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	8.36	96.6	98.9	88	91	1	75-125			2	20
Barium	100	240	300	340	60	101	1	75-125	J6		13	20
Cadmium	100	9.89	103	106	93	96	1	75-125			3	20
Chromium	100	23.0	108	113	85	90	1	75-125			5	20
Lead	100	985	1160	1800	173	816	1	75-125	V	J3 V	43	20
Selenium	100	0.351	88.2	88.5	88	89	1	75-125			0	20
Silver	100	0.466	90.0	90.8	89	90	1	75-125			1	20

Method Blank (MB)

(MB) R3132426-1 04/29/16 00:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.0065	0.0100
Barium	U		0.0017	0.00500
Cadmium	U		0.0007	0.00200
Chromium	U		0.0014	0.0100
Lead	U		0.0019	0.00500
Selenium	U		0.0074	0.0100
Silver	U		0.0028	0.00500

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3132426-2 04/29/16 00:53 • (LCSD) R3132426-3 04/29/16 00:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	1.00	0.967	0.976	97	98	80-120			1	20
Barium	1.00	0.990	0.996	99	100	80-120			1	20
Cadmium	1.00	0.994	1.00	99	100	80-120			1	20
Chromium	1.00	0.977	0.978	98	98	80-120			0	20
Lead	1.00	1.00	1.01	100	101	80-120			1	20
Selenium	1.00	0.998	1.01	100	101	80-120			1	20
Silver	1.00	0.959	0.965	96	97	80-120			1	20

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L831619-01 04/29/16 00:58 • (MS) R3132426-5 04/29/16 01:04 • (MSD) R3132426-6 04/29/16 01:07

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	1.00	0.00330	1.04	1.04	104	104	1	75-125			0	20
Barium	1.00	0.0119	1.01	1.01	100	100	1	75-125			0	20
Cadmium	1.00	0.000228	1.05	1.05	105	105	1	75-125			0	20
Chromium	1.00	0.00129	0.976	0.976	98	98	1	75-125			0	20
Lead	1.00	0.000696	1.02	1.03	102	103	1	75-125			0	20
Selenium	1.00	0.00271	1.09	1.09	109	109	1	75-125			0	20
Silver	1.00	ND	1.01	1.01	101	101	1	75-125			0	20

Method Blank (MB)

(MB) R3132672-1 04/29/16 13:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1260	U		0.00494	0.0170
PCB 1016	U		0.00350	0.0170
PCB 1221	U		0.00537	0.0170
PCB 1232	U		0.00417	0.0170
PCB 1242	U		0.00318	0.0170
PCB 1248	U		0.00315	0.0170
PCB 1254	U		0.00472	0.0170
(S) Decachlorobiphenyl	*110*			*10.0-143*
(S) Tetrachloro-m-xylene	*108*			*29.2-144*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3132672-2 04/29/16 14:41 • (LCSD) R3132672-3 04/29/16 14:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.1667	0.199	0.177	120	106	46.5-120			11.7	27
PCB 1016	0.1667	0.195	0.170	117	102	46.3-117			13.5	27.5
(S) Decachlorobiphenyl				*117*	*88.0*	*10.0-143*				
(S) Tetrachloro-m-xylene				*113*	*85.8*	*29.2-144*				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L831898-09 04/29/16 19:36 • (MS) R3132672-4 04/29/16 19:49 • (MSD) R3132672-5 04/29/16 20:04

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.1667	ND	0.146	0.161	87.6	96.5	1	24.6-127			9.60	20
PCB 1016	0.1667	ND	0.182	0.209	109	126	1	23.9-147			14.1	25.8
(S) Decachlorobiphenyl					*57.1*	*67.2*		*10.0-143*				
(S) Tetrachloro-m-xylene					*87.9*	*96.4*		*29.2-144*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

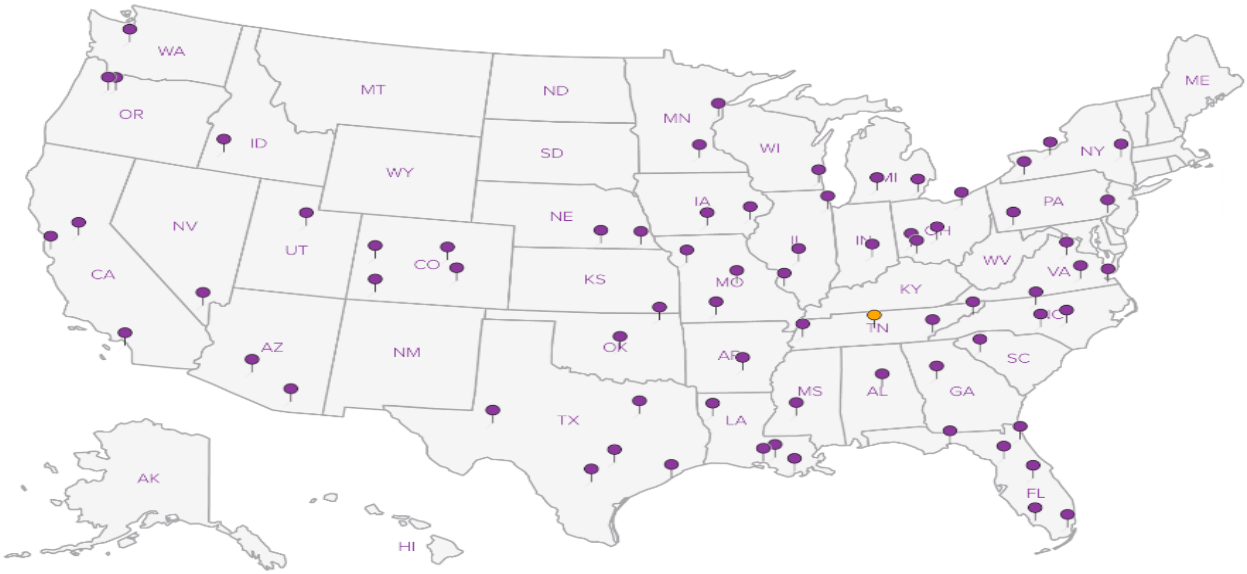
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



GeoDesign Inc.
15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Billing Information:
Accounts Payable
15575 SW Sequoia Pkwy. Ste 100
Portland, OR 97224

Report to: Eric Hedberg
Email To: ehedberg@geodesigninc.com; kcline@geodesigninc.com

Project Description: Capstone-12-03
City/State Collected:

Phone: 503-968-8787
Fax:
Client Project #
Lab Project # GEODESPOR-CAPSTONE

Collected by (print):
Site/Facility ID #
P.O. #

Collected by (signature):
Immediately Packed on Ice N ____ Y ____

Rush? (Lab MUST Be Notified)
____ Same Day 200%
____ Next Day 100%
____ Two Day 50%
____ Three Day 25%

Date Results Needed

Email? __No X_Yes
FAX? __No __Yes

Chain of Custody Page 1 of 2

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L830143
K108
L831680
Acctnum: GEODESPOR
Template: T111180
Prelogin: P549037
TSR: 358 - Jarred Willis
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270PAHSIM / NWTPHDx 4ozClr-NoPres	~~HCID~~ / PCBs / RCRA8 4ozClr-NoPres	NWTPHDx 100ml Amb-HCl <2	NWTPHGx / VOCs 8260 40ml/NaHSO4/Syr/MeOH	NWTPHGx 40mlAmb HCl	PAHs 8270D-SIM 40mlAmb-NoPres-WT	PCBs 8082 100ml Amb-NoPres	Total RCRA8 Metals 500mlHDPE-HNO3 <2	VOCs 8260 40mlAmb-HCl	VOCs 8260- Trip Blk 40mlAmb-HCl-Blk	Rem./Contaminant	Sample # (lab only)
DP-5	G,Grab	GW		4-14-16	1200	13			X		X				X			-01
DP-9		GW		↓	1445				X		X				X			-02
DP-10		GW		4-15-16	0810				X		X				X			-03
DP-13		GW			0905				X		X				X			-04
DP-14		GW			1050				X		X	⊗		⊗	X		-01	-05
DP-17		GW		↓	1345	4/12/16			X		X	⊗		⊗	X		-02	-06
DP-1 (15-16.5)		SS		4-14-16	0755	5	X			X								-07
DP-2 (11.5-12.5)		SS			0925		X			X								-08
DP-3 (11.5-12.5)		SS			1005		X			X								-09
DP-4 (11.5-12.5)	↓	SS			1050	↓	X			X								-10

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other ____

Remarks: SOIL = G, D Only
NO SPACES IN SAMPLE NAME

pH ____ Temp ____
Flow ____ Other ____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	4-15-16	1600	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ____
Temp: 3.2 °C Bottles Received: 181
Date: 4-16-16 Time: 900

Condition: OK (lab use only) GD10
COC Seal Intact: ___Y ___N ✓NA
pH Checked: NCF: X

GeoDesign Inc.

15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Billing Information:
Accounts Payable
15575 SW Sequoia Pkwy. Ste 100
Portland, OR 97224

Report to: Eric Hedberg

Email To: ehedberg@geodesigninc.com; kcline@geodesigninc.com

Project Description: Capstone-12-03

City/State Collected:

Phone: 503-968-8787
Fax:

Client Project #

Lab Project # GEODESPOR-CAPSTONE

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):
Immediately Packed on Ice N ____ Y ____

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Chain of Custody Page 2 of 3

ESC LABS SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L850113

Table # L831680

Acctnum: GEODESPOR

Template: T111180

Prelogin: P549037

TSR: 358 - Jarred Willis

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270PAHSIM / NWTPHDx 4ozClr-NoPres	PCBs / RCRA8 4ozClr-NoPres	NWTPHDx 100ml Amb-HCl	NWTPHGx / VOCs 8260 40ml/NaHSO4/Syr/MeOH	NWTPHGx 40mlAmb HCl	PAHs 8270D-SIM 40mlAmb-NoPres-WT	PCBs 8082 100ml Amb-NoPres	Total RCRA8 Metals 500mlHDPE-HNO3	VOCs 8260 40mlAmb-HCl	VOCs 8260 - Trip Blk 40mlAmb-HCl-Blk	Rem./Contaminant	Sample # (lab only)
DP-5 (15.5-16.5	GRAB	SS		4.14.16	1125	5	X			X								-11
DP-6 (11.0-12.0)		SS			1315		X			X								-12
DP-7 (10.0-11.0)		SS			1345		X			X								-13
DP-8 (5.0-6.0)		SS			1410		X			X								-14
DP-9 (11.0-12.0)		SS			1435		X			X								-15
DP-10 (12.0-13.0)		SS		4.15.16	0755		X			X								-16
DP-11 (11.0-12.0)		SS			0840		X			X								-17
DP-12 (1.5-2.5)		SS			0905		X	X		X							-03	-18
DP-13 (1.0-2.0)		SS			0930		X	X		X							-04	-19
DP-14 (10.0-11.0)		SS			1025		X	X		X							-05	-20

Analysis / Container / Preservative

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

pH _____ Temp _____

Flow _____ Other _____

Remarks: SOIL GX, OX ONLY — NO SPACES IN SAMPLE NAME

Hold #

Condition: (lab use only) OK

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	4.15.16	1600	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.2 °C Bottles Received: 181

Date: 4-16-16 Time: 940

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF: *

Chain of Custody Page 2 of 3

GeoDesign Inc.
15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Billing Information:
Accounts Payable
15575 SW Sequoia Pkwy. Ste 100
Portland, OR 97224

Report to: **Eric Hedberg**

Email To: ehedberg@geodesigninc.com; kcline@geodesigninc.com

Project Description: **Capstone-12-03**

City/State Collected:

Phone: 503-968-8787
Fax:

Client Project #

Lab Project # **GEODESPOR-CAPSTONE**

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):
Immediately Packed on Ice N ____ Y ____

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L820143
Table # L831680
Acctnum: GEODESPOR
Template: T111180
Prelogin: P549037
TSR: 358 - Jarred Willis
PB:
Shipped Via:

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270PAHSIM / NWTPHDx 4ozClr-NoPres	Hold / PCBs / RCRA8 4ozClr-NoPres	NWTPHDx 100ml Amb-HCl ✓2	NWTPHGx / VOCs 8260 40ml/NaHSO4/Syr/MeOH	NWTPHGx 40mlAmb HCl	PAHs 8270D-SIM 40mlAmb-NoPres-WT	PCBs 8082 100ml Amb-NoPres	Total RCRA8 Metals 500mlHDPE-HNO3 ✓2	VOCs 8260 40mlAmb-HCl	VOCs 8260- Trip Blk 40mlAmb-HCl-Blk	Rem./Contaminant	Sample # (lab only)
DP-15 (15.0-16.0)	GRAB	SS		4.15.16	1135	5	✓			✓								-21
DP-16 (8.0-9.0)		SS			1255		✓			✓								-22
DP-17 (7.0-8.0)		SS			1315		✓	⊗		✓							-06	-23
DP-18 (8.0-8.5)		SS			1420		✓			✓								-24
		SS																
		SS																
TRIP BLANK		GW				1												-25
DP-5		GW		4.14.16	0735	13												-26
		SS																

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other ____

Remarks: Soil by O2 MeOH Ppt NO SPACES IN SAMPLE NAME

pH ____ Temp ____
Flow ____ Other ____

Hold #

Condition: (lab use only) OK

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF: *

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4.15.16	1640	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ ____

Temp: 3.2 °C Bottles Received: 181

Date: 4-16-16 Time: 0900

Troy Dunlap L831680

From: Jarred Willis
Sent: Tuesday, April 26, 2016 5:28 PM
To: Login
Subject: L830143 - GEODESPOR - relog for PCBs and RCRA8 Metals
Attachments: 4940_001.pdf

Please use the attached COC to relog samples from L830143 from ***GEODESPOR***. Relog to a new L# on standard TAT.

L830143-05, -06	- MRCRA8
L830143-18, -19, -20, -23	- SV8082, MRCRA8, TS (transfer from original samples)

Thanks,
Jarred

From: Erik Hedberg [mailto:ehedberg@geodesigninc.com]
Sent: Tuesday, April 26, 2016 11:20 AM
To: Jarred Willis
Subject: RE: ESC Lab Sciences Report for Capstone-12-03 L830143

Thanks Jared,

The only appropriate follow-ups for our held samples is reflected on the attached....and if the water PAHs are out of hold, we can eliminate that follow-up. Let me know if you have questions on the attached.

Thx,

Erik A. Hedberg, P.E.
GeoDesign, Inc.
503.577.5232 mobile

ANALYTICAL REPORT

May 31, 2016

GeoDesign Inc.

Sample Delivery Group:	L837381
Samples Received:	05/24/2016
Project Number:	
Description:	Capstone-12-03

Report To:

Erik Hedberg
15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Entire Report Reviewed By:

Jarred Willis
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 4

[5]Sr: Sample Results 5

SV-8 L837381-01 5

SV-9 L837381-02 7

SV-10 L837381-03 9

SV-11 L837381-04 11

SV-12 L837381-05 13

SV-13 L837381-06 15

[6]Qc: Quality Control Summary 17

Volatile Organic Compounds (MS) by Method TO-15 17

[7]Gl: Glossary of Terms 28

[8]Al: Accreditations & Locations 29

[9]Sc: Chain of Custody 30

SV-8 L837381-01 Air

Collected by: Kevin Cline
Collected date/time: 05/23/16 09:45
Received date/time: 05/24/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG875279	8	05/26/16 01:41	05/26/16 01:41	MBF

SV-9 L837381-02 Air

Collected by: Kevin Cline
Collected date/time: 05/23/16 09:50
Received date/time: 05/24/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG875279	8	05/26/16 02:25	05/26/16 02:25	MBF
Volatile Organic Compounds (MS) by Method TO-15	WG875598	200	05/26/16 14:33	05/26/16 14:33	MBF

SV-10 L837381-03 Air

Collected by: Kevin Cline
Collected date/time: 05/23/16 09:55
Received date/time: 05/24/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG875279	4	05/26/16 03:13	05/26/16 03:13	MBF
Volatile Organic Compounds (MS) by Method TO-15	WG875598	400	05/26/16 18:49	05/26/16 18:49	MBF

SV-11 L837381-04 Air

Collected by: Kevin Cline
Collected date/time: 05/23/16 10:00
Received date/time: 05/24/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG875279	8	05/26/16 03:57	05/26/16 03:57	MBF
Volatile Organic Compounds (MS) by Method TO-15	WG875598	200	05/26/16 19:30	05/26/16 19:30	MBF

SV-12 L837381-05 Air

Collected by: Kevin Cline
Collected date/time: 05/23/16 11:00
Received date/time: 05/24/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG875279	25	05/26/16 04:42	05/26/16 04:42	MBF

SV-13 L837381-06 Air

Collected by: Kevin Cline
Collected date/time: 05/23/16 11:10
Received date/time: 05/24/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (MS) by Method TO-15	WG875563	2	05/26/16 17:56	05/26/16 17:56	MBF
Volatile Organic Compounds (MS) by Method TO-15	WG875943	25	05/27/16 13:34	05/27/16 13:34	SNH
Volatile Organic Compounds (MS) by Method TO-15	WG876217	400	05/28/16 16:59	05/28/16 16:59	MBF

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jarred Willis
Technical Service Representative

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	10.0	23.8	27.9	66.2		8	WG875279
Allyl chloride	107-05-1	76.53	1.60	5.01	ND	ND		8	WG875279
Benzene	71-43-2	78.10	1.60	5.11	ND	ND		8	WG875279
Benzyl Chloride	100-44-7	127	1.60	8.31	ND	ND		8	WG875279
Bromodichloromethane	75-27-4	164	1.60	10.7	ND	ND		8	WG875279
Bromoform	75-25-2	253	4.80	49.7	ND	ND		8	WG875279
Bromomethane	74-83-9	94.90	1.60	6.21	ND	ND		8	WG875279
1,3-Butadiene	106-99-0	54.10	16.0	35.4	ND	ND		8	WG875279
Carbon disulfide	75-15-0	76.10	1.60	4.98	ND	ND		8	WG875279
Carbon tetrachloride	56-23-5	154	1.60	10.1	ND	ND		8	WG875279
Chlorobenzene	108-90-7	113	1.60	7.39	ND	ND		8	WG875279
Chloroethane	75-00-3	64.50	1.60	4.22	ND	ND		8	WG875279
Chloroform	67-66-3	119	1.60	7.79	ND	ND		8	WG875279
Chloromethane	74-87-3	50.50	1.60	3.30	ND	ND		8	WG875279
2-Chlorotoluene	95-49-8	126	1.60	8.25	ND	ND		8	WG875279
Cyclohexane	110-82-7	84.20	1.60	5.51	ND	ND		8	WG875279
Dibromochloromethane	124-48-1	208	1.60	13.6	ND	ND		8	WG875279
1,2-Dibromoethane	106-93-4	188	1.60	12.3	ND	ND		8	WG875279
1,2-Dichlorobenzene	95-50-1	147	1.60	9.62	ND	ND		8	WG875279
1,3-Dichlorobenzene	541-73-1	147	1.60	9.62	ND	ND		8	WG875279
1,4-Dichlorobenzene	106-46-7	147	1.60	9.62	ND	ND		8	WG875279
1,2-Dichloroethane	107-06-2	99	1.60	6.48	ND	ND		8	WG875279
1,1-Dichloroethane	75-34-3	98	1.60	6.41	ND	ND		8	WG875279
1,1-Dichloroethene	75-35-4	96.90	1.60	6.34	ND	ND		8	WG875279
cis-1,2-Dichloroethene	156-59-2	96.90	1.60	6.34	1.98	7.85		8	WG875279
trans-1,2-Dichloroethene	156-60-5	96.90	1.60	6.34	ND	ND		8	WG875279
1,2-Dichloropropane	78-87-5	113	1.60	7.39	ND	ND		8	WG875279
cis-1,3-Dichloropropene	10061-01-5	111	1.60	7.26	ND	ND		8	WG875279
trans-1,3-Dichloropropene	10061-02-6	111	1.60	7.26	ND	ND		8	WG875279
1,4-Dioxane	123-91-1	88.10	1.60	5.77	8.50	30.6		8	WG875279
Ethanol	64-17-5	46.10	5.04	9.50	10.6	19.9		8	WG875279
Ethylbenzene	100-41-4	106	1.60	6.94	ND	ND		8	WG875279
4-Ethyltoluene	622-96-8	120	1.60	7.85	ND	ND		8	WG875279
Trichlorofluoromethane	75-69-4	137.40	1.60	8.99	ND	ND		8	WG875279
Dichlorodifluoromethane	75-71-8	120.92	1.60	7.91	ND	ND		8	WG875279
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	1.60	12.3	ND	ND		8	WG875279
1,2-Dichlorotetrafluoroethane	76-14-2	171	1.60	11.2	ND	ND		8	WG875279
Heptane	142-82-5	100	1.60	6.54	2.26	9.24		8	WG875279
Hexachloro-1,3-butadiene	87-68-3	261	5.04	53.8	ND	ND		8	WG875279
n-Hexane	110-54-3	86.20	1.60	5.64	ND	ND		8	WG875279
Isopropylbenzene	98-82-8	120.20	1.60	7.87	ND	ND		8	WG875279
Methylene Chloride	75-09-2	84.90	1.60	5.56	ND	ND		8	WG875279
Methyl Butyl Ketone	591-78-6	100	10.0	40.9	ND	ND		8	WG875279
2-Butanone (MEK)	78-93-3	72.10	10.0	29.5	ND	ND		8	WG875279
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	10.0	40.9	ND	ND		8	WG875279
Methyl methacrylate	80-62-6	100.12	1.60	6.55	ND	ND		8	WG875279
MTBE	1634-04-4	88.10	1.60	5.77	1.93	6.97		8	WG875279
Naphthalene	91-20-3	128	5.04	26.4	ND	ND		8	WG875279
2-Propanol	67-63-0	60.10	10.0	24.6	ND	ND		8	WG875279
Propene	115-07-1	42.10	3.20	5.51	41.8	71.9		8	WG875279
Styrene	100-42-5	104	1.60	6.81	ND	ND		8	WG875279
1,1,2,2-Tetrachloroethane	79-34-5	168	1.60	11.0	ND	ND		8	WG875279
Tetrachloroethylene	127-18-4	166	1.60	10.9	ND	ND		8	WG875279
Tetrahydrofuran	109-99-9	72.10	1.60	4.72	ND	ND		8	WG875279
Toluene	108-88-3	92.10	1.60	6.03	ND	ND		8	WG875279
1,2,4-Trichlorobenzene	120-82-1	181	5.04	37.3	ND	ND		8	WG875279

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	1.60	8.70	2.92	15.9		8	WG875279
1,1,2-Trichloroethane	79-00-5	133	1.60	8.70	ND	ND		8	WG875279
Trichloroethylene	79-01-6	131	1.60	8.57	91.2	489		8	WG875279
1,2,4-Trimethylbenzene	95-63-6	120	1.60	7.85	5.45	26.8		8	WG875279
1,3,5-Trimethylbenzene	108-67-8	120	1.60	7.85	ND	ND		8	WG875279
2,2,4-Trimethylpentane	540-84-1	114.22	1.60	7.47	ND	ND		8	WG875279
Vinyl chloride	75-01-4	62.50	1.60	4.09	ND	ND		8	WG875279
Vinyl Bromide	593-60-2	106.95	1.60	7.00	ND	ND		8	WG875279
Vinyl acetate	108-05-4	86.10	1.60	5.63	ND	ND		8	WG875279
m&p-Xylene	1330-20-7	106	3.20	13.9	ND	ND		8	WG875279
o-Xylene	95-47-6	106	1.60	6.94	ND	ND		8	WG875279
TPH (GC/MS) Low Fraction	8006-61-9	101	400	1650	687	2840		8	WG875279
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.1*				WG875279

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	10.0	23.8	63.1	150		8	WG875279
Allyl chloride	107-05-1	76.53	1.60	5.01	ND	ND		8	WG875279
Benzene	71-43-2	78.10	1.60	5.11	ND	ND		8	WG875279
Benzyl Chloride	100-44-7	127	1.60	8.31	ND	ND		8	WG875279
Bromodichloromethane	75-27-4	164	1.60	10.7	ND	ND		8	WG875279
Bromoform	75-25-2	253	4.80	49.7	ND	ND		8	WG875279
Bromomethane	74-83-9	94.90	1.60	6.21	ND	ND		8	WG875279
1,3-Butadiene	106-99-0	54.10	16.0	35.4	ND	ND		8	WG875279
Carbon disulfide	75-15-0	76.10	1.60	4.98	ND	ND		8	WG875279
Carbon tetrachloride	56-23-5	154	1.60	10.1	ND	ND		8	WG875279
Chlorobenzene	108-90-7	113	1.60	7.39	ND	ND		8	WG875279
Chloroethane	75-00-3	64.50	1.60	4.22	ND	ND		8	WG875279
Chloroform	67-66-3	119	1.60	7.79	7.78	37.9		8	WG875279
Chloromethane	74-87-3	50.50	1.60	3.30	ND	ND		8	WG875279
2-Chlorotoluene	95-49-8	126	1.60	8.25	ND	ND		8	WG875279
Cyclohexane	110-82-7	84.20	1.60	5.51	ND	ND		8	WG875279
Dibromochloromethane	124-48-1	208	1.60	13.6	ND	ND		8	WG875279
1,2-Dibromoethane	106-93-4	188	1.60	12.3	ND	ND		8	WG875279
1,2-Dichlorobenzene	95-50-1	147	1.60	9.62	ND	ND		8	WG875279
1,3-Dichlorobenzene	541-73-1	147	1.60	9.62	ND	ND		8	WG875279
1,4-Dichlorobenzene	106-46-7	147	1.60	9.62	ND	ND		8	WG875279
1,2-Dichloroethane	107-06-2	99	1.60	6.48	ND	ND		8	WG875279
1,1-Dichloroethane	75-34-3	98	1.60	6.41	ND	ND		8	WG875279
1,1-Dichloroethene	75-35-4	96.90	1.60	6.34	ND	ND		8	WG875279
cis-1,2-Dichloroethene	156-59-2	96.90	1.60	6.34	ND	ND		8	WG875279
trans-1,2-Dichloroethene	156-60-5	96.90	1.60	6.34	ND	ND		8	WG875279
1,2-Dichloropropane	78-87-5	113	1.60	7.39	ND	ND		8	WG875279
cis-1,3-Dichloropropene	10061-01-5	111	1.60	7.26	ND	ND		8	WG875279
trans-1,3-Dichloropropene	10061-02-6	111	1.60	7.26	ND	ND		8	WG875279
1,4-Dioxane	123-91-1	88.10	1.60	5.77	10.5	37.9		8	WG875279
Ethanol	64-17-5	46.10	5.04	9.50	34.3	64.8		8	WG875279
Ethylbenzene	100-41-4	106	1.60	6.94	ND	ND		8	WG875279
4-Ethyltoluene	622-96-8	120	1.60	7.85	ND	ND		8	WG875279
Trichlorofluoromethane	75-69-4	137.40	1.60	8.99	ND	ND		8	WG875279
Dichlorodifluoromethane	75-71-8	120.92	1.60	7.91	ND	ND		8	WG875279
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	1.60	12.3	ND	ND		8	WG875279
1,2-Dichlorotetrafluoroethane	76-14-2	171	1.60	11.2	ND	ND		8	WG875279
Heptane	142-82-5	100	1.60	6.54	ND	ND		8	WG875279
Hexachloro-1,3-butadiene	87-68-3	261	5.04	53.8	ND	ND		8	WG875279
n-Hexane	110-54-3	86.20	1.60	5.64	ND	ND		8	WG875279
Isopropylbenzene	98-82-8	120.20	1.60	7.87	ND	ND		8	WG875279
Methylene Chloride	75-09-2	84.90	1.60	5.56	ND	ND		8	WG875279
Methyl Butyl Ketone	591-78-6	100	10.0	40.9	ND	ND		8	WG875279
2-Butanone (MEK)	78-93-3	72.10	10.0	29.5	ND	ND		8	WG875279
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	10.0	40.9	ND	ND		8	WG875279
Methyl methacrylate	80-62-6	100.12	1.60	6.55	ND	ND		8	WG875279
MTBE	1634-04-4	88.10	1.60	5.77	ND	ND		8	WG875279
Naphthalene	91-20-3	128	5.04	26.4	ND	ND		8	WG875279
2-Propanol	67-63-0	60.10	10.0	24.6	59.5	146		8	WG875279
Propene	115-07-1	42.10	3.20	5.51	13.3	23.0		8	WG875279
Styrene	100-42-5	104	1.60	6.81	ND	ND		8	WG875279
1,1,2,2-Tetrachloroethane	79-34-5	168	1.60	11.0	ND	ND		8	WG875279
Tetrachloroethylene	127-18-4	166	1.60	10.9	20.0	136		8	WG875279
Tetrahydrofuran	109-99-9	72.10	1.60	4.72	3.27	9.66		8	WG875279
Toluene	108-88-3	92.10	1.60	6.03	1.64	6.18		8	WG875279
1,2,4-Trichlorobenzene	120-82-1	181	5.04	37.3	ND	ND		8	WG875279

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	1.60	8.70	8.58	46.7		8	WG875279
1,1,2-Trichloroethane	79-00-5	133	1.60	8.70	4.17	22.7		8	WG875279
Trichloroethylene	79-01-6	131	40.0	214	1220	6560		200	WG875598
1,2,4-Trimethylbenzene	95-63-6	120	1.60	7.85	ND	ND		8	WG875279
1,3,5-Trimethylbenzene	108-67-8	120	1.60	7.85	ND	ND		8	WG875279
2,2,4-Trimethylpentane	540-84-1	114.22	1.60	7.47	ND	ND		8	WG875279
Vinyl chloride	75-01-4	62.50	1.60	4.09	ND	ND		8	WG875279
Vinyl Bromide	593-60-2	106.95	1.60	7.00	ND	ND		8	WG875279
Vinyl acetate	108-05-4	86.10	1.60	5.63	ND	ND		8	WG875279
m&p-Xylene	1330-20-7	106	3.20	13.9	ND	ND		8	WG875279
o-Xylene	95-47-6	106	1.60	6.94	ND	ND		8	WG875279
TPH (GC/MS) Low Fraction	8006-61-9	101	400	1650	2520	10400		8	WG875279
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*99.8*				WG875279
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*94.8*				WG875598

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	500	1190	882	2100		400	WG875598
Allyl chloride	107-05-1	76.53	0.800	2.50	ND	ND		4	WG875279
Benzene	71-43-2	78.10	0.800	2.56	3.00	9.57		4	WG875279
Benzyl Chloride	100-44-7	127	0.800	4.16	ND	ND		4	WG875279
Bromodichloromethane	75-27-4	164	0.800	5.37	ND	ND		4	WG875279
Bromoform	75-25-2	253	2.40	24.8	ND	ND		4	WG875279
Bromomethane	74-83-9	94.90	0.800	3.11	ND	ND		4	WG875279
1,3-Butadiene	106-99-0	54.10	8.00	17.7	ND	ND		4	WG875279
Carbon disulfide	75-15-0	76.10	0.800	2.49	ND	ND		4	WG875279
Carbon tetrachloride	56-23-5	154	0.800	5.04	ND	ND		4	WG875279
Chlorobenzene	108-90-7	113	0.800	3.70	ND	ND		4	WG875279
Chloroethane	75-00-3	64.50	0.800	2.11	ND	ND		4	WG875279
Chloroform	67-66-3	119	0.800	3.89	ND	ND		4	WG875279
Chloromethane	74-87-3	50.50	0.800	1.65	ND	ND		4	WG875279
2-Chlorotoluene	95-49-8	126	0.800	4.12	ND	ND		4	WG875279
Cyclohexane	110-82-7	84.20	0.800	2.76	ND	ND		4	WG875279
Dibromochloromethane	124-48-1	208	0.800	6.81	ND	ND		4	WG875279
1,2-Dibromoethane	106-93-4	188	0.800	6.15	ND	ND		4	WG875279
1,2-Dichlorobenzene	95-50-1	147	0.800	4.81	ND	ND		4	WG875279
1,3-Dichlorobenzene	541-73-1	147	0.800	4.81	ND	ND		4	WG875279
1,4-Dichlorobenzene	106-46-7	147	0.800	4.81	1.80	10.8		4	WG875279
1,2-Dichloroethane	107-06-2	99	0.800	3.24	ND	ND		4	WG875279
1,1-Dichloroethane	75-34-3	98	0.800	3.21	ND	ND		4	WG875279
1,1-Dichloroethene	75-35-4	96.90	0.800	3.17	ND	ND		4	WG875279
cis-1,2-Dichloroethene	156-59-2	96.90	0.800	3.17	ND	ND		4	WG875279
trans-1,2-Dichloroethene	156-60-5	96.90	0.800	3.17	ND	ND		4	WG875279
1,2-Dichloropropane	78-87-5	113	0.800	3.70	ND	ND		4	WG875279
cis-1,3-Dichloropropene	10061-01-5	111	0.800	3.63	ND	ND		4	WG875279
trans-1,3-Dichloropropene	10061-02-6	111	0.800	3.63	ND	ND		4	WG875279
1,4-Dioxane	123-91-1	88.10	0.800	2.88	0.889	3.20		4	WG875279
Ethanol	64-17-5	46.10	2.52	4.75	134	252		4	WG875279
Ethylbenzene	100-41-4	106	0.800	3.47	ND	ND		4	WG875279
4-Ethyltoluene	622-96-8	120	0.800	3.93	1.31	6.43		4	WG875279
Trichlorofluoromethane	75-69-4	137.40	0.800	4.50	ND	ND		4	WG875279
Dichlorodifluoromethane	75-71-8	120.92	0.800	3.96	ND	ND		4	WG875279
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.800	6.13	ND	ND		4	WG875279
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.800	5.60	ND	ND		4	WG875279
Heptane	142-82-5	100	0.800	3.27	1.82	7.45		4	WG875279
Hexachloro-1,3-butadiene	87-68-3	261	2.52	26.9	ND	ND		4	WG875279
n-Hexane	110-54-3	86.20	0.800	2.82	2.69	9.48		4	WG875279
Isopropylbenzene	98-82-8	120.20	0.800	3.93	ND	ND		4	WG875279
Methylene Chloride	75-09-2	84.90	0.800	2.78	ND	ND		4	WG875279
Methyl Butyl Ketone	591-78-6	100	5.00	20.4	7.18	29.4		4	WG875279
2-Butanone (MEK)	78-93-3	72.10	5.00	14.7	42.8	126		4	WG875279
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	5.00	20.5	ND	ND		4	WG875279
Methyl methacrylate	80-62-6	100.12	0.800	3.28	ND	ND		4	WG875279
MTBE	1634-04-4	88.10	0.800	2.88	ND	ND		4	WG875279
Naphthalene	91-20-3	128	2.52	13.2	ND	ND		4	WG875279
2-Propanol	67-63-0	60.10	500	1230	1970	4840		400	WG875598
Propene	115-07-1	42.10	1.60	2.76	10.4	17.9		4	WG875279
Styrene	100-42-5	104	0.800	3.40	ND	ND		4	WG875279
1,1,2,2-Tetrachloroethane	79-34-5	168	0.800	5.50	ND	ND		4	WG875279
Tetrachloroethylene	127-18-4	166	0.800	5.43	ND	ND		4	WG875279
Tetrahydrofuran	109-99-9	72.10	0.800	2.36	ND	ND		4	WG875279
Toluene	108-88-3	92.10	0.800	3.01	4.91	18.5		4	WG875279
1,2,4-Trichlorobenzene	120-82-1	181	2.52	18.7	ND	ND		4	WG875279

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.800	4.35	ND	ND		4	WG875279
1,1,2-Trichloroethane	79-00-5	133	0.800	4.35	ND	ND		4	WG875279
Trichloroethylene	79-01-6	131	0.800	4.29	8.49	45.5		4	WG875279
1,2,4-Trimethylbenzene	95-63-6	120	0.800	3.93	2.27	11.1		4	WG875279
1,3,5-Trimethylbenzene	108-67-8	120	0.800	3.93	ND	ND		4	WG875279
2,2,4-Trimethylpentane	540-84-1	114.22	0.800	3.74	ND	ND		4	WG875279
Vinyl chloride	75-01-4	62.50	0.800	2.04	ND	ND		4	WG875279
Vinyl Bromide	593-60-2	106.95	0.800	3.50	ND	ND		4	WG875279
Vinyl acetate	108-05-4	86.10	0.800	2.82	ND	ND		4	WG875279
m&p-Xylene	1330-20-7	106	1.60	6.94	1.80	7.79		4	WG875279
o-Xylene	95-47-6	106	0.800	3.47	0.867	3.76		4	WG875279
TPH (GC/MS) Low Fraction	8006-61-9	101	200	826	338	1390		4	WG875279
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*101*				WG875279
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*90.6*				WG875598

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	10.0	23.8	62.7	149		8	WG875279
Allyl chloride	107-05-1	76.53	1.60	5.01	ND	ND		8	WG875279
Benzene	71-43-2	78.10	1.60	5.11	5.32	17.0		8	WG875279
Benzyl Chloride	100-44-7	127	1.60	8.31	ND	ND		8	WG875279
Bromodichloromethane	75-27-4	164	1.60	10.7	ND	ND		8	WG875279
Bromoform	75-25-2	253	4.80	49.7	ND	ND		8	WG875279
Bromomethane	74-83-9	94.90	1.60	6.21	ND	ND		8	WG875279
1,3-Butadiene	106-99-0	54.10	16.0	35.4	ND	ND		8	WG875279
Carbon disulfide	75-15-0	76.10	1.60	4.98	ND	ND		8	WG875279
Carbon tetrachloride	56-23-5	154	1.60	10.1	ND	ND		8	WG875279
Chlorobenzene	108-90-7	113	1.60	7.39	ND	ND		8	WG875279
Chloroethane	75-00-3	64.50	1.60	4.22	ND	ND		8	WG875279
Chloroform	67-66-3	119	1.60	7.79	4.88	23.7		8	WG875279
Chloromethane	74-87-3	50.50	1.60	3.30	ND	ND		8	WG875279
2-Chlorotoluene	95-49-8	126	1.60	8.25	ND	ND		8	WG875279
Cyclohexane	110-82-7	84.20	1.60	5.51	ND	ND		8	WG875279
Dibromochloromethane	124-48-1	208	1.60	13.6	ND	ND		8	WG875279
1,2-Dibromoethane	106-93-4	188	1.60	12.3	ND	ND		8	WG875279
1,2-Dichlorobenzene	95-50-1	147	1.60	9.62	ND	ND		8	WG875279
1,3-Dichlorobenzene	541-73-1	147	1.60	9.62	ND	ND		8	WG875279
1,4-Dichlorobenzene	106-46-7	147	1.60	9.62	2.32	14.0		8	WG875279
1,2-Dichloroethane	107-06-2	99	1.60	6.48	ND	ND		8	WG875279
1,1-Dichloroethane	75-34-3	98	1.60	6.41	ND	ND		8	WG875279
1,1-Dichloroethene	75-35-4	96.90	1.60	6.34	25.3	100		8	WG875279
cis-1,2-Dichloroethene	156-59-2	96.90	1.60	6.34	57.7	229		8	WG875279
trans-1,2-Dichloroethene	156-60-5	96.90	1.60	6.34	57.6	228		8	WG875279
1,2-Dichloropropane	78-87-5	113	1.60	7.39	ND	ND		8	WG875279
cis-1,3-Dichloropropene	10061-01-5	111	1.60	7.26	ND	ND		8	WG875279
trans-1,3-Dichloropropene	10061-02-6	111	1.60	7.26	ND	ND		8	WG875279
1,4-Dioxane	123-91-1	88.10	1.60	5.77	ND	ND		8	WG875279
Ethanol	64-17-5	46.10	5.04	9.50	21.6	40.7		8	WG875279
Ethylbenzene	100-41-4	106	1.60	6.94	ND	ND		8	WG875279
4-Ethyltoluene	622-96-8	120	1.60	7.85	ND	ND		8	WG875279
Trichlorofluoromethane	75-69-4	137.40	1.60	8.99	ND	ND		8	WG875279
Dichlorodifluoromethane	75-71-8	120.92	1.60	7.91	ND	ND		8	WG875279
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	1.60	12.3	ND	ND		8	WG875279
1,2-Dichlorotetrafluoroethane	76-14-2	171	1.60	11.2	ND	ND		8	WG875279
Heptane	142-82-5	100	1.60	6.54	ND	ND		8	WG875279
Hexachloro-1,3-butadiene	87-68-3	261	5.04	53.8	ND	ND		8	WG875279
n-Hexane	110-54-3	86.20	1.60	5.64	1.98	6.97		8	WG875279
Isopropylbenzene	98-82-8	120.20	1.60	7.87	ND	ND		8	WG875279
Methylene Chloride	75-09-2	84.90	1.60	5.56	ND	ND		8	WG875279
Methyl Butyl Ketone	591-78-6	100	10.0	40.9	ND	ND		8	WG875279
2-Butanone (MEK)	78-93-3	72.10	10.0	29.5	19.7	58.2		8	WG875279
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	10.0	40.9	13.2	54.1		8	WG875279
Methyl methacrylate	80-62-6	100.12	1.60	6.55	ND	ND		8	WG875279
MTBE	1634-04-4	88.10	1.60	5.77	ND	ND		8	WG875279
Naphthalene	91-20-3	128	5.04	26.4	ND	ND		8	WG875279
2-Propanol	67-63-0	60.10	250	615	ND	ND		200	WG875598
Propene	115-07-1	42.10	3.20	5.51	ND	ND		8	WG875279
Styrene	100-42-5	104	1.60	6.81	ND	ND		8	WG875279
1,1,2,2-Tetrachloroethane	79-34-5	168	1.60	11.0	2.58	17.7		8	WG875279
Tetrachloroethylene	127-18-4	166	1.60	10.9	42.3	287		8	WG875279
Tetrahydrofuran	109-99-9	72.10	1.60	4.72	ND	ND		8	WG875279
Toluene	108-88-3	92.10	1.60	6.03	7.03	26.5		8	WG875279
1,2,4-Trichlorobenzene	120-82-1	181	5.04	37.3	ND	ND		8	WG875279

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	1.60	8.70	2.51	13.7		8	WG875279
1,1,2-Trichloroethane	79-00-5	133	1.60	8.70	175	954		8	WG875279
Trichloroethylene	79-01-6	131	40.0	214	1520	8120		200	WG875598
1,2,4-Trimethylbenzene	95-63-6	120	1.60	7.85	2.67	13.1		8	WG875279
1,3,5-Trimethylbenzene	108-67-8	120	1.60	7.85	3.55	17.4		8	WG875279
2,2,4-Trimethylpentane	540-84-1	114.22	1.60	7.47	ND	ND		8	WG875279
Vinyl chloride	75-01-4	62.50	1.60	4.09	ND	ND		8	WG875279
Vinyl Bromide	593-60-2	106.95	1.60	7.00	ND	ND		8	WG875279
Vinyl acetate	108-05-4	86.10	1.60	5.63	ND	ND		8	WG875279
m&p-Xylene	1330-20-7	106	3.20	13.9	ND	ND		8	WG875279
o-Xylene	95-47-6	106	1.60	6.94	2.23	9.65		8	WG875279
TPH (GC/MS) Low Fraction	8006-61-9	101	400	1650	2430	10000		8	WG875279
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*103*				WG875279
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*91.1*				WG875598

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	31.2	74.1	103	244		25	WG875279
Allyl chloride	107-05-1	76.53	5.00	15.7	ND	ND		25	WG875279
Benzene	71-43-2	78.10	5.00	16.0	ND	ND		25	WG875279
Benzyl Chloride	100-44-7	127	5.00	26.0	ND	ND		25	WG875279
Bromodichloromethane	75-27-4	164	5.00	33.5	ND	ND		25	WG875279
Bromoform	75-25-2	253	15.0	155	ND	ND		25	WG875279
Bromomethane	74-83-9	94.90	5.00	19.4	ND	ND		25	WG875279
1,3-Butadiene	106-99-0	54.10	50.0	111	ND	ND		25	WG875279
Carbon disulfide	75-15-0	76.10	5.00	15.6	ND	ND		25	WG875279
Carbon tetrachloride	56-23-5	154	5.00	31.5	ND	ND		25	WG875279
Chlorobenzene	108-90-7	113	5.00	23.1	ND	ND		25	WG875279
Chloroethane	75-00-3	64.50	5.00	13.2	ND	ND		25	WG875279
Chloroform	67-66-3	119	5.00	24.3	ND	ND		25	WG875279
Chloromethane	74-87-3	50.50	5.00	10.3	ND	ND		25	WG875279
2-Chlorotoluene	95-49-8	126	5.00	25.8	ND	ND		25	WG875279
Cyclohexane	110-82-7	84.20	5.00	17.2	ND	ND		25	WG875279
Dibromochloromethane	124-48-1	208	5.00	42.5	ND	ND		25	WG875279
1,2-Dibromoethane	106-93-4	188	5.00	38.4	ND	ND		25	WG875279
1,2-Dichlorobenzene	95-50-1	147	5.00	30.1	ND	ND		25	WG875279
1,3-Dichlorobenzene	541-73-1	147	5.00	30.1	ND	ND		25	WG875279
1,4-Dichlorobenzene	106-46-7	147	5.00	30.1	ND	ND		25	WG875279
1,2-Dichloroethane	107-06-2	99	5.00	20.2	ND	ND		25	WG875279
1,1-Dichloroethane	75-34-3	98	5.00	20.0	ND	ND		25	WG875279
1,1-Dichloroethene	75-35-4	96.90	5.00	19.8	ND	ND		25	WG875279
cis-1,2-Dichloroethene	156-59-2	96.90	5.00	19.8	ND	ND		25	WG875279
trans-1,2-Dichloroethene	156-60-5	96.90	5.00	19.8	ND	ND		25	WG875279
1,2-Dichloropropane	78-87-5	113	5.00	23.1	ND	ND		25	WG875279
cis-1,3-Dichloropropene	10061-01-5	111	5.00	22.7	ND	ND		25	WG875279
trans-1,3-Dichloropropene	10061-02-6	111	5.00	22.7	ND	ND		25	WG875279
1,4-Dioxane	123-91-1	88.10	5.00	18.0	ND	ND		25	WG875279
Ethanol	64-17-5	46.10	15.8	29.8	ND	ND		25	WG875279
Ethylbenzene	100-41-4	106	5.00	21.7	ND	ND		25	WG875279
4-Ethyltoluene	622-96-8	120	5.00	24.5	ND	ND		25	WG875279
Trichlorofluoromethane	75-69-4	137.40	5.00	28.1	ND	ND		25	WG875279
Dichlorodifluoromethane	75-71-8	120.92	5.00	24.7	ND	ND		25	WG875279
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	5.00	38.3	ND	ND		25	WG875279
1,2-Dichlorotetrafluoroethane	76-14-2	171	5.00	35.0	ND	ND		25	WG875279
Heptane	142-82-5	100	5.00	20.4	ND	ND		25	WG875279
Hexachloro-1,3-butadiene	87-68-3	261	15.8	169	ND	ND		25	WG875279
n-Hexane	110-54-3	86.20	5.00	17.6	ND	ND		25	WG875279
Isopropylbenzene	98-82-8	120.20	5.00	24.6	ND	ND		25	WG875279
Methylene Chloride	75-09-2	84.90	5.00	17.4	ND	ND		25	WG875279
Methyl Butyl Ketone	591-78-6	100	31.2	128	ND	ND		25	WG875279
2-Butanone (MEK)	78-93-3	72.10	31.2	92.0	ND	ND		25	WG875279
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	31.2	128	ND	ND		25	WG875279
Methyl methacrylate	80-62-6	100.12	5.00	20.5	ND	ND		25	WG875279
MTBE	1634-04-4	88.10	5.00	18.0	ND	ND		25	WG875279
Naphthalene	91-20-3	128	15.8	82.7	ND	ND		25	WG875279
2-Propanol	67-63-0	60.10	31.2	76.7	ND	ND		25	WG875279
Propene	115-07-1	42.10	10.0	17.2	23.7	40.8		25	WG875279
Styrene	100-42-5	104	5.00	21.3	ND	ND		25	WG875279
1,1,2,2-Tetrachloroethane	79-34-5	168	5.00	34.4	ND	ND		25	WG875279
Tetrachloroethylene	127-18-4	166	5.00	33.9	11.3	76.4		25	WG875279
Tetrahydrofuran	109-99-9	72.10	5.00	14.7	ND	ND		25	WG875279
Toluene	108-88-3	92.10	5.00	18.8	ND	ND		25	WG875279
1,2,4-Trichlorobenzene	120-82-1	181	15.8	117	ND	ND		25	WG875279

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	5.00	27.2	ND	ND		25	WG875279
1,1,2-Trichloroethane	79-00-5	133	5.00	27.2	ND	ND		25	WG875279
Trichloroethylene	79-01-6	131	5.00	26.8	38.4	206		25	WG875279
1,2,4-Trimethylbenzene	95-63-6	120	5.00	24.5	ND	ND		25	WG875279
1,3,5-Trimethylbenzene	108-67-8	120	5.00	24.5	ND	ND		25	WG875279
2,2,4-Trimethylpentane	540-84-1	114.22	5.00	23.4	ND	ND		25	WG875279
Vinyl chloride	75-01-4	62.50	5.00	12.8	ND	ND		25	WG875279
Vinyl Bromide	593-60-2	106.95	5.00	21.9	ND	ND		25	WG875279
Vinyl acetate	108-05-4	86.10	5.00	17.6	ND	ND		25	WG875279
m&p-Xylene	1330-20-7	106	10.0	43.4	ND	ND		25	WG875279
o-Xylene	95-47-6	106	5.00	21.7	ND	ND		25	WG875279
TPH (GC/MS) Low Fraction	8006-61-9	101	1250	5160	7120	29400		25	WG875279
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*101*				WG875279

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	31.2	74.1	93.8	223	J4	25	WG875943
Allyl chloride	107-05-1	76.53	0.400	1.25	ND	ND		2	WG875563
Benzene	71-43-2	78.10	0.400	1.28	2.90	9.25		2	WG875563
Benzyl Chloride	100-44-7	127	0.400	2.08	ND	ND		2	WG875563
Bromodichloromethane	75-27-4	164	0.400	2.68	ND	ND		2	WG875563
Bromoform	75-25-2	253	1.20	12.4	ND	ND		2	WG875563
Bromomethane	74-83-9	94.90	0.400	1.55	ND	ND		2	WG875563
1,3-Butadiene	106-99-0	54.10	4.00	8.85	ND	ND		2	WG875563
Carbon disulfide	75-15-0	76.10	0.400	1.24	ND	ND		2	WG875563
Carbon tetrachloride	56-23-5	154	0.400	2.52	ND	ND		2	WG875563
Chlorobenzene	108-90-7	113	0.400	1.85	ND	ND		2	WG875563
Chloroethane	75-00-3	64.50	0.400	1.06	ND	ND		2	WG875563
Chloroform	67-66-3	119	0.400	1.95	6.57	32.0		2	WG875563
Chloromethane	74-87-3	50.50	0.400	0.826	ND	ND		2	WG875563
2-Chlorotoluene	95-49-8	126	0.400	2.06	ND	ND		2	WG875563
Cyclohexane	110-82-7	84.20	0.400	1.38	ND	ND		2	WG875563
Dibromochloromethane	124-48-1	208	0.400	3.40	ND	ND		2	WG875563
1,2-Dibromoethane	106-93-4	188	0.400	3.08	ND	ND		2	WG875563
1,2-Dichlorobenzene	95-50-1	147	0.400	2.40	0.425	2.56		2	WG875563
1,3-Dichlorobenzene	541-73-1	147	0.400	2.40	ND	ND		2	WG875563
1,4-Dichlorobenzene	106-46-7	147	0.400	2.40	0.438	2.64		2	WG875563
1,2-Dichloroethane	107-06-2	99	0.400	1.62	ND	ND		2	WG875563
1,1-Dichloroethane	75-34-3	98	0.400	1.60	4.38	17.5		2	WG875563
1,1-Dichloroethene	75-35-4	96.90	0.400	1.59	2.14	8.47		2	WG875563
cis-1,2-Dichloroethene	156-59-2	96.90	0.400	1.59	0.705	2.80		2	WG875563
trans-1,2-Dichloroethene	156-60-5	96.90	0.400	1.59	ND	ND		2	WG875563
1,2-Dichloropropane	78-87-5	113	0.400	1.85	ND	ND		2	WG875563
cis-1,3-Dichloropropene	10061-01-5	111	0.400	1.82	ND	ND		2	WG875563
trans-1,3-Dichloropropene	10061-02-6	111	0.400	1.82	ND	ND		2	WG875563
1,4-Dioxane	123-91-1	88.10	5.00	18.0	102	368		25	WG875943
Ethanol	64-17-5	46.10	1.26	2.38	88.5	167		2	WG875563
Ethylbenzene	100-41-4	106	0.400	1.73	ND	ND		2	WG875563
4-Ethyltoluene	622-96-8	120	0.400	1.96	4.86	23.9		2	WG875563
Trichlorofluoromethane	75-69-4	137.40	0.400	2.25	ND	ND		2	WG875563
Dichlorodifluoromethane	75-71-8	120.92	0.400	1.98	0.635	3.14		2	WG875563
1,1,2-Trichlorotrifluoroethane	76-13-1	187.40	0.400	3.07	0.537	4.12		2	WG875563
1,2-Dichlorotetrafluoroethane	76-14-2	171	0.400	2.80	ND	ND		2	WG875563
Heptane	142-82-5	100	0.400	1.64	1.35	5.52		2	WG875563
Hexachloro-1,3-butadiene	87-68-3	261	1.26	13.5	ND	ND		2	WG875563
n-Hexane	110-54-3	86.20	0.400	1.41	1.40	4.93		2	WG875563
Isopropylbenzene	98-82-8	120.20	0.400	1.97	ND	ND		2	WG875563
Methylene Chloride	75-09-2	84.90	0.400	1.39	ND	ND		2	WG875563
Methyl Butyl Ketone	591-78-6	100	2.50	10.2	7.66	31.3		2	WG875563
2-Butanone (MEK)	78-93-3	72.10	2.50	7.37	26.3	77.5		2	WG875563
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	2.50	10.2	ND	ND		2	WG875563
Methyl methacrylate	80-62-6	100.12	0.400	1.64	ND	ND		2	WG875563
MTBE	1634-04-4	88.10	0.400	1.44	ND	ND		2	WG875563
Naphthalene	91-20-3	128	1.26	6.60	ND	ND		2	WG875563
2-Propanol	67-63-0	60.10	2.50	6.15	15.5	38.1		2	WG875563
Propene	115-07-1	42.10	0.800	1.38	16.6	28.6	J3	2	WG875563
Styrene	100-42-5	104	0.400	1.70	ND	ND		2	WG875563
1,1,2,2-Tetrachloroethane	79-34-5	168	0.400	2.75	ND	ND		2	WG875563
Tetrachloroethylene	127-18-4	166	0.400	2.72	13.6	92.5		2	WG875563
Tetrahydrofuran	109-99-9	72.10	0.400	1.18	ND	ND		2	WG875563
Toluene	108-88-3	92.10	0.400	1.51	1.32	4.97		2	WG875563
1,2,4-Trichlorobenzene	120-82-1	181	1.26	9.33	ND	ND		2	WG875563

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
1,1,1-Trichloroethane	71-55-6	133	0.400	2.18	69.3	377		2	WG875563
1,1,2-Trichloroethane	79-00-5	133	0.400	2.18	4.97	27.0		2	WG875563
Trichloroethylene	79-01-6	131	80.0	429	995	5330		400	WG876217
1,2,4-Trimethylbenzene	95-63-6	120	0.400	1.96	12.6	61.8		2	WG875563
1,3,5-Trimethylbenzene	108-67-8	120	0.400	1.96	3.57	17.5		2	WG875563
2,2,4-Trimethylpentane	540-84-1	114.22	0.400	1.87	ND	ND		2	WG875563
Vinyl chloride	75-01-4	62.50	0.400	1.02	ND	ND		2	WG875563
Vinyl Bromide	593-60-2	106.95	0.400	1.75	ND	ND		2	WG875563
Vinyl acetate	108-05-4	86.10	0.400	1.41	ND	ND		2	WG875563
m&p-Xylene	1330-20-7	106	0.800	3.47	1.29	5.57		2	WG875563
o-Xylene	95-47-6	106	0.400	1.73	0.859	3.73		2	WG875563
TPH (GC/MS) Low Fraction	8006-61-9	101	100	413	1720	7090		2	WG875563
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*105*				WG875563
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*91.8*				WG876217
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*98.8*				WG875943

Method Blank (MB)

(MB) R3139812-2 05/25/16 13:30

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ppbv		ppbv	ppbv
Acetone	U		0.0569	1.25
Allyl Chloride	U		0.0546	0.200
Benzene	U		0.0460	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0436	0.200
Bromoform	U		0.0786	0.600
Bromomethane	U		0.0609	0.200
1,3-Butadiene	U		0.0563	2.00
Carbon disulfide	U		0.0544	0.200
Carbon tetrachloride	U		0.0585	0.200
Chlorobenzene	U		0.0601	0.200
Chloroethane	U		0.0489	0.200
Chloroform	U		0.0574	0.200
Chloromethane	U		0.0544	0.200
2-Chlorotoluene	U		0.0605	0.200
Cyclohexane	U		0.0534	0.200
Dibromochloromethane	U		0.0494	0.200
1,2-Dibromoethane	U		0.0185	0.200
1,2-Dichlorobenzene	U		0.0603	0.200
1,3-Dichlorobenzene	U		0.0597	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0616	0.200
1,1-Dichloroethane	U		0.0514	0.200
1,1-Dichloroethene	U		0.0490	0.200
cis-1,2-Dichloroethene	U		0.0389	0.200
trans-1,2-Dichloroethene	U		0.0464	0.200
1,2-Dichloropropane	U		0.0599	0.200
cis-1,3-Dichloropropene	U		0.0588	0.200
trans-1,3-Dichloropropene	U		0.0435	0.200
1,4-Dioxane	U		0.0554	0.200
Ethylbenzene	U		0.0506	0.200
4-Ethyltoluene	U		0.0666	0.200
Trichlorofluoromethane	U		0.0673	0.200
Dichlorodifluoromethane	U		0.0601	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0687	0.200
1,2-Dichlorotetrafluoroethane	U		0.0458	0.200

Method Blank (MB)

(MB) R3139812-2 05/25/16 13:30

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Heptane	U		0.0626	0.200
Hexachloro-1,3-butadiene	U		0.0656	0.630
n-Hexane	U		0.0457	0.200
Isopropylbenzene	U		0.0563	0.200
Methylene Chloride	U		0.0465	0.200
Methyl Butyl Ketone	U		0.0682	1.25
2-Butanone (MEK)	U		0.0493	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0650	1.25
Methyl Methacrylate	U		0.0773	0.200
MTBE	U		0.0505	0.200
Naphthalene	0.198	J	0.154	0.630
2-Propanol	0.164	J	0.0882	1.25
Propene	U		0.0932	0.400
Styrene	U		0.0465	0.200
1,1,2,2-Tetrachloroethane	U		0.0576	0.200
Tetrachloroethylene	U		0.0497	0.200
Tetrahydrofuran	U		0.0508	0.200
Toluene	U		0.0499	0.200
1,2,4-Trichlorobenzene	0.168	J	0.148	0.630
1,1,1-Trichloroethane	U		0.0665	0.200
1,1,2-Trichloroethane	U		0.0287	0.200
Trichloroethylene	U		0.0545	0.200
1,2,4-Trimethylbenzene	U		0.0483	0.200
1,3,5-Trimethylbenzene	U		0.0631	0.200
2,2,4-Trimethylpentane	U		0.0456	0.200
Vinyl chloride	U		0.0457	0.200
Vinyl Bromide	U		0.0727	0.200
Vinyl acetate	U		0.0639	0.200
m&p-Xylene	U		0.0946	0.400
o-Xylene	U		0.0633	0.200
Ethanol	U		0.0832	0.630
TPH (GC/MS) Low Fraction	U		6.91	50.0
(S) 1,4-Bromofluorobenzene	*92.3*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3139812-1 05/25/16 12:41 • (LCSD) R3139812-3 05/25/16 14:16

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethanol	3.75	4.42	4.25	118	113	34.3-167			3.98	25
Propene	3.75	4.47	4.42	119	118	53.9-143			1.10	25
Dichlorodifluoromethane	3.75	3.74	3.69	99.9	98.3	56.7-140			1.55	25
1,2-Dichlorotetrafluoroethane	3.75	4.27	4.30	114	115	70.0-130			0.510	25
Chloromethane	3.75	4.32	4.35	115	116	70.0-130			0.690	25
Vinyl chloride	3.75	4.30	4.29	115	114	70.0-130			0.0800	25
1,3-Butadiene	3.75	4.46	4.40	119	117	70.0-130			1.38	25
Bromomethane	3.75	4.17	4.14	111	110	70.0-130			0.640	25
Chloroethane	3.75	4.27	4.21	114	112	70.0-130			1.53	25
Trichlorofluoromethane	3.75	3.97	4.15	106	111	70.0-130			4.32	25
1,1,2-Trichlorotrifluoroethane	3.75	3.82	4.11	102	110	70.0-130			7.26	25
1,1-Dichloroethene	3.75	3.95	4.17	105	111	70.0-130			5.33	25
1,1-Dichloroethane	3.75	4.08	4.23	109	113	70.0-130			3.48	25
Acetone	3.75	4.67	4.60	125	123	70.0-130			1.61	25
2-Propanol	3.75	4.21	4.21	112	112	50.4-152			0.120	25
Carbon disulfide	3.75	4.06	4.16	108	111	70.0-130			2.43	25
Methylene Chloride	3.75	3.75	3.88	99.9	103	70.0-130			3.48	25
MTBE	3.75	4.14	4.15	111	111	70.0-130			0.240	25
trans-1,2-Dichloroethene	3.75	3.88	4.14	103	110	70.0-130			6.51	25
n-Hexane	3.75	4.00	4.26	107	114	70.0-130			6.23	25
Vinyl acetate	3.75	4.44	4.39	118	117	70.0-130			1.12	25
Methyl Ethyl Ketone	3.75	4.34	4.39	116	117	70.0-130			1.21	25
cis-1,2-Dichloroethene	3.75	4.66	4.75	124	127	70.0-130			2.02	25
Chloroform	3.75	4.12	4.13	110	110	70.0-130			0.180	25
Cyclohexane	3.75	4.06	4.20	108	112	70.0-130			3.56	25
1,1,1-Trichloroethane	3.75	4.07	4.14	108	110	70.0-130			1.82	25
Carbon tetrachloride	3.75	4.05	4.17	108	111	70.0-130			2.83	25
Benzene	3.75	4.09	4.17	109	111	70.0-130			1.84	25
1,2-Dichloroethane	3.75	4.09	4.22	109	113	70.0-130			3.28	25
Heptane	3.75	4.23	4.24	113	113	70.0-130			0.250	25
Trichloroethylene	3.75	4.07	4.13	109	110	70.0-130			1.35	25
1,2-Dichloropropane	3.75	4.20	4.20	112	112	70.0-130			0.0500	25
1,4-Dioxane	3.75	4.38	4.45	117	119	48.0-156			1.62	25
Bromodichloromethane	3.75	4.13	4.17	110	111	70.0-130			1.02	25
cis-1,3-Dichloropropene	3.75	4.27	4.35	114	116	70.0-130			1.95	25
4-Methyl-2-pentanone (MIBK)	3.75	4.57	4.60	122	123	55.3-154			0.620	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3139812-1 05/25/16 12:41 • (LCSD) R3139812-3 05/25/16 14:16

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Toluene	3.75	4.15	4.23	111	113	70.0-130			1.91	25
trans-1,3-Dichloropropene	3.75	4.32	4.39	115	117	70.0-130			1.58	25
1,1,2-Trichloroethane	3.75	4.09	4.28	109	114	70.0-130			4.39	25
Tetrachloroethylene	3.75	4.01	4.14	107	110	70.0-130			3.22	25
Methyl Butyl Ketone	3.75	4.70	4.73	125	126	47.9-165			0.680	25
Dibromochloromethane	3.75	4.19	4.39	112	117	70.0-130			4.66	25
1,2-Dibromoethane	3.75	4.24	4.41	113	117	70.0-130			3.85	25
Chlorobenzene	3.75	4.12	4.32	110	115	70.0-130			4.56	25
Ethylbenzene	3.75	4.13	4.24	110	113	70.0-130			2.76	25
m&p-Xylene	7.50	8.21	8.39	110	112	70.0-130			2.09	25
o-Xylene	3.75	4.16	4.24	111	113	70.0-130			1.97	25
Styrene	3.75	4.33	4.45	115	119	70.0-130			2.74	25
Bromoform	3.75	4.28	4.40	114	117	70.0-130			2.73	25
1,1,2,2-Tetrachloroethane	3.75	4.29	4.36	114	116	70.0-130			1.58	25
4-Ethyltoluene	3.75	4.34	4.39	116	117	70.0-130			0.970	25
1,3,5-Trimethylbenzene	3.75	4.14	4.18	110	111	70.0-130			1.02	25
1,2,4-Trimethylbenzene	3.75	4.26	4.34	114	116	70.0-130			1.93	25
1,3-Dichlorobenzene	3.75	4.52	4.56	120	122	70.0-130			1.04	25
1,4-Dichlorobenzene	3.75	4.63	4.68	124	125	70.0-130			1.02	25
Benzyl Chloride	3.75	4.82	4.86	128	130	55.6-160			0.890	25
1,2-Dichlorobenzene	3.75	4.39	4.47	117	119	70.0-130			1.78	25
1,2,4-Trichlorobenzene	3.75	4.77	4.43	127	118	53.6-154			7.46	25
Hexachloro-1,3-butadiene	3.75	4.15	4.01	111	107	62.1-143			3.47	25
Naphthalene	3.75	4.78	4.45	128	119	52.0-158			7.26	25
TPH (GC/MS) Low Fraction	150	162	165	108	110	70.0-130			1.64	25
Allyl Chloride	3.75	4.02	4.26	107	114	70.0-130			5.72	25
2-Chlorotoluene	3.75	4.21	4.27	112	114	70.0-130			1.52	25
Methyl Methacrylate	3.75	4.40	4.48	117	119	70.0-130			1.82	25
Tetrahydrofuran	3.75	4.39	4.43	117	118	65.0-140			0.920	25
2,2,4-Trimethylpentane	3.75	4.29	4.23	114	113	70.0-130			1.31	25
Vinyl Bromide	3.75	4.06	4.15	108	111	70.0-130			1.98	25
Isopropylbenzene	3.75	4.19	4.25	112	113	70.0-130			1.48	25
(S) 1,4-Bromofluorobenzene				*105*	*104*	*60.0-140*				

Method Blank (MB)

(MB) R3140153-3 05/26/16 10:04

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Allyl Chloride	U		0.0546	0.200
Benzene	U		0.0460	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0436	0.200
Bromoform	U		0.0786	0.600
Bromomethane	U		0.0609	0.200
1,3-Butadiene	U		0.0563	2.00
Carbon disulfide	U		0.0544	0.200
Carbon tetrachloride	U		0.0585	0.200
Chlorobenzene	U		0.0601	0.200
Chloroethane	U		0.0489	0.200
Chloroform	U		0.0574	0.200
Chloromethane	U		0.0544	0.200
2-Chlorotoluene	U		0.0605	0.200
Cyclohexane	U		0.0534	0.200
Dibromochloromethane	U		0.0494	0.200
1,2-Dibromoethane	U		0.0185	0.200
1,2-Dichlorobenzene	U		0.0603	0.200
1,3-Dichlorobenzene	U		0.0597	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0616	0.200
1,1-Dichloroethane	U		0.0514	0.200
1,1-Dichloroethene	U		0.0490	0.200
cis-1,2-Dichloroethene	U		0.0389	0.200
trans-1,2-Dichloroethene	U		0.0464	0.200
1,2-Dichloropropane	U		0.0599	0.200
cis-1,3-Dichloropropene	U		0.0588	0.200
trans-1,3-Dichloropropene	U		0.0435	0.200
Ethylbenzene	U		0.0506	0.200
4-Ethyltoluene	U		0.0666	0.200
Trichlorofluoromethane	U		0.0673	0.200
Dichlorodifluoromethane	U		0.0601	0.200
1,1,2-Trichlorotrifluoroethane	U		0.0687	0.200
1,2-Dichlorotetrafluoroethane	U		0.0458	0.200
Heptane	U		0.0626	0.200
Hexachloro-1,3-butadiene	U		0.0656	0.630

Method Blank (MB)

(MB) R3140153-3 05/26/16 10:04

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
n-Hexane	U		0.0457	0.200
Isopropylbenzene	U		0.0563	0.200
Methylene Chloride	U		0.0465	0.200
Methyl Butyl Ketone	U		0.0682	1.25
2-Butanone (MEK)	U		0.0493	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0650	1.25
Methyl Methacrylate	U		0.0773	0.200
MTBE	U		0.0505	0.200
Naphthalene	0.168	J	0.154	0.630
2-Propanol	0.170	J	0.0882	1.25
Propene	U		0.0932	0.400
Styrene	U		0.0465	0.200
1,1,2,2-Tetrachloroethane	U		0.0576	0.200
Tetrachloroethylene	U		0.0497	0.200
Tetrahydrofuran	U		0.0508	0.200
Toluene	U		0.0499	0.200
1,2,4-Trichlorobenzene	0.155	J	0.148	0.630
1,1,1-Trichloroethane	U		0.0665	0.200
1,1,2-Trichloroethane	U		0.0287	0.200
1,2,4-Trimethylbenzene	U		0.0483	0.200
1,3,5-Trimethylbenzene	U		0.0631	0.200
2,2,4-Trimethylpentane	U		0.0456	0.200
Vinyl chloride	U		0.0457	0.200
Vinyl Bromide	U		0.0727	0.200
Vinyl acetate	U		0.0639	0.200
m&p-Xylene	U		0.0946	0.400
o-Xylene	U		0.0633	0.200
Ethanol	U		0.0832	0.630
TPH (GC/MS) Low Fraction	U		6.91	50.0
(S) 1,4-Bromofluorobenzene	*94.4*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3140153-1 05/26/16 08:30 • (LCSD) R3140153-2 05/26/16 09:16

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3140153-1 05/26/16 08:30 • (LCSD) R3140153-2 05/26/16 09:16

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethanol	3.75	4.31	4.43	115	118	34.3-167			2.65	25
Propene	3.75	2.32	4.56	61.8	121	53.9-143		J3	65.2	25
Dichlorodifluoromethane	3.75	3.65	3.65	97.3	97.5	56.7-140			0.200	25
1,2-Dichlorotetrafluoroethane	3.75	4.28	4.29	114	114	70.0-130			0.120	25
Chloromethane	3.75	4.36	4.44	116	118	70.0-130			1.87	25
Vinyl chloride	3.75	4.30	4.33	115	115	70.0-130			0.830	25
1,3-Butadiene	3.75	4.46	4.47	119	119	70.0-130			0.150	25
Bromomethane	3.75	4.14	4.17	110	111	70.0-130			0.710	25
Chloroethane	3.75	4.21	4.24	112	113	70.0-130			0.740	25
Trichlorofluoromethane	3.75	4.07	4.16	109	111	70.0-130			2.06	25
1,1,2-Trichlorotrifluoroethane	3.75	4.01	4.11	107	110	70.0-130			2.50	25
1,1-Dichloroethene	3.75	4.02	4.18	107	111	70.0-130			3.71	25
1,1-Dichloroethane	3.75	4.02	4.21	107	112	70.0-130			4.52	25
2-Propanol	3.75	4.07	4.28	109	114	50.4-152			5.07	25
Carbon disulfide	3.75	4.06	4.15	108	111	70.0-130			2.05	25
Methylene Chloride	3.75	3.79	3.91	101	104	70.0-130			3.12	25
MTBE	3.75	4.14	4.27	110	114	70.0-130			3.08	25
trans-1,2-Dichloroethene	3.75	4.06	4.12	108	110	70.0-130			1.60	25
n-Hexane	3.75	4.09	4.19	109	112	70.0-130			2.38	25
Vinyl acetate	3.75	4.31	4.49	115	120	70.0-130			4.00	25
Methyl Ethyl Ketone	3.75	4.24	4.44	113	118	70.0-130			4.51	25
cis-1,2-Dichloroethene	3.75	3.73	4.69	99.4	125	70.0-130			22.8	25
Chloroform	3.75	4.06	4.15	108	111	70.0-130			2.12	25
Cyclohexane	3.75	3.97	4.02	106	107	70.0-130			1.38	25
1,1,1-Trichloroethane	3.75	4.00	4.13	107	110	70.0-130			3.16	25
Carbon tetrachloride	3.75	3.99	4.07	106	109	70.0-130			2.05	25
Benzene	3.75	4.07	4.09	108	109	70.0-130			0.430	25
1,2-Dichloroethane	3.75	4.06	4.15	108	111	70.0-130			2.20	25
Heptane	3.75	4.14	4.28	110	114	70.0-130			3.25	25
1,2-Dichloropropane	3.75	4.09	4.21	109	112	70.0-130			2.79	25
Bromodichloromethane	3.75	4.10	4.23	109	113	70.0-130			3.08	25
cis-1,3-Dichloropropene	3.75	4.20	4.31	112	115	70.0-130			2.72	25
4-Methyl-2-pentanone (MIBK)	3.75	4.38	4.45	117	119	55.3-154			1.49	25
Toluene	3.75	4.10	4.24	109	113	70.0-130			3.36	25
trans-1,3-Dichloropropene	3.75	4.27	4.42	114	118	70.0-130			3.45	25
1,1,2-Trichloroethane	3.75	4.16	4.26	111	114	70.0-130			2.51	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3140153-1 05/26/16 08:30 • (LCSD) R3140153-2 05/26/16 09:16

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethylene	3.75	3.99	4.12	106	110	70.0-130			3.26	25
Methyl Butyl Ketone	3.75	4.56	4.61	122	123	47.9-165			0.970	25
Dibromochloromethane	3.75	4.19	4.33	112	115	70.0-130			3.22	25
1,2-Dibromoethane	3.75	4.19	4.37	112	117	70.0-130			4.26	25
Chlorobenzene	3.75	4.11	4.26	110	114	70.0-130			3.69	25
Ethylbenzene	3.75	4.09	4.20	109	112	70.0-130			2.47	25
m&p-Xylene	7.50	8.10	8.26	108	110	70.0-130			1.96	25
o-Xylene	3.75	4.11	4.19	110	112	70.0-130			1.81	25
Styrene	3.75	4.30	4.37	115	117	70.0-130			1.58	25
Bromoform	3.75	4.28	4.33	114	116	70.0-130			1.27	25
1,1,2,2-Tetrachloroethane	3.75	4.28	4.20	114	112	70.0-130			1.76	25
4-Ethyltoluene	3.75	4.30	4.28	115	114	70.0-130			0.500	25
1,3,5-Trimethylbenzene	3.75	4.12	4.07	110	109	70.0-130			1.29	25
1,2,4-Trimethylbenzene	3.75	4.19	4.18	112	112	70.0-130			0.240	25
1,3-Dichlorobenzene	3.75	4.47	4.48	119	119	70.0-130			0.100	25
1,4-Dichlorobenzene	3.75	4.50	4.56	120	122	70.0-130			1.24	25
Benzyl Chloride	3.75	4.74	4.74	126	126	55.6-160			0.120	25
1,2-Dichlorobenzene	3.75	4.33	4.31	115	115	70.0-130			0.360	25
1,2,4-Trichlorobenzene	3.75	4.74	4.79	126	128	53.6-154			1.09	25
Hexachloro-1,3-butadiene	3.75	4.25	4.20	113	112	62.1-143			1.27	25
Naphthalene	3.75	4.93	4.99	132	133	52.0-158			1.21	25
TPH (GC/MS) Low Fraction	150	161	162	108	108	70.0-130			0.220	25
Allyl Chloride	3.75	4.15	4.25	111	113	70.0-130			2.32	25
2-Chlorotoluene	3.75	4.18	4.17	111	111	70.0-130			0.180	25
Methyl Methacrylate	3.75	4.34	4.41	116	118	70.0-130			1.64	25
Tetrahydrofuran	3.75	4.28	4.48	114	119	65.0-140			4.49	25
2,2,4-Trimethylpentane	3.75	4.20	4.31	112	115	70.0-130			2.65	25
Vinyl Bromide	3.75	4.12	4.14	110	110	70.0-130			0.490	25
Isopropylbenzene	3.75	4.16	4.15	111	111	70.0-130			0.270	25
(S) 1,4-Bromofluorobenzene				*103*	*103*	*60.0-140*				

Method Blank (MB)

(MB) R3140110-2 05/26/16 09:34

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.0569	1.25
2-Propanol	U		0.0882	1.25
Trichloroethylene	U		0.0545	0.200
(S) 1,4-Bromofluorobenzene	*89.8*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3140110-1 05/26/16 08:51 • (LCSD) R3140110-3 05/26/16 10:15

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	3.46	3.51	92.4	93.6	70.0-130			1.31	25
2-Propanol	3.75	3.31	3.35	88.4	89.5	50.4-152			1.19	25
Trichloroethylene	3.75	4.06	4.02	108	107	70.0-130			0.770	25
(S) 1,4-Bromofluorobenzene				*95.2*	*97.2*	*60.0-140*				

Method Blank (MB)

(MB) R3140191-3 05/27/16 10:20

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.0569	1.25
1,4-Dioxane	U		0.0554	0.200
(S) 1,4-Bromofluorobenzene	*95.5*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3140191-1 05/27/16 08:46 • (LCSD) R3140191-2 05/27/16 09:33

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	3.75	4.89	4.96	131	132	70.0-130	J4	J4	1.35	25
1,4-Dioxane	3.75	4.26	4.49	114	120	48.0-156			5.04	25
(S) 1,4-Bromofluorobenzene				*103*	*103*	*60.0-140*				

Method Blank (MB)

(MB) R3140505-3 05/28/16 11:53

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Trichloroethylene	U		0.0545	0.200
(S) 1,4-Bromofluorobenzene	*86.0*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3140505-1 05/28/16 10:30 • (LCSD) R3140505-2 05/28/16 11:11

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Trichloroethylene	3.75	4.27	4.44	114	118	70.0-130			3.97	25
(S) 1,4-Bromofluorobenzene				*96.2*	*95.9*	*60.0-140*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

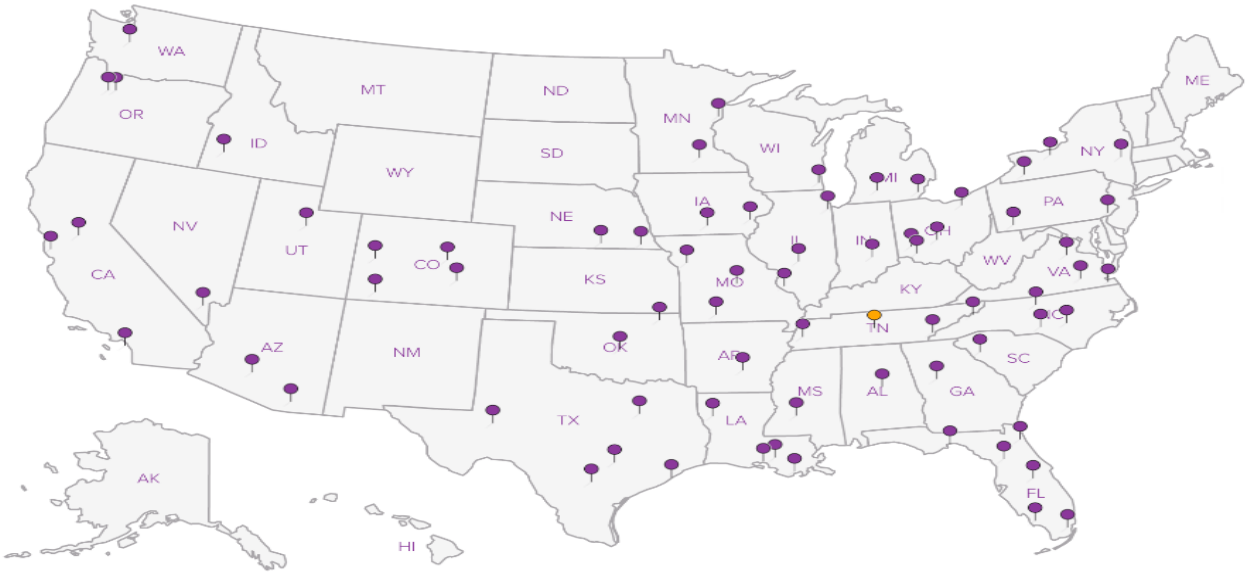
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



GeoDesign Inc.

15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Billing Information:
Accounts Payable
15575 SW Sequoia Pkwy. Ste 100
Portland, OR 97224

Report to: **Erik Hedberg**

Email To: **ehedberg@geodesigninc.com; kcline@geodesigninc.com**

Project Description: **Capstone-12-03**

City/State Collected: PORTLAND OR

Phone: **503-968-8787**
Fax:

Client Project #

Lab Project # **GEODESPOR-CAPSTONE**

Collected by (print): KEVIN CLINE

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N __X__ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Ctnrs	TO-15 Summa	Rem./Contaminant	Sample # (lab only)
SV-8		Air	0.5	5.23.16	0945	1	X		-01
SV-9		Air	↓	↓	0950	1	X		-02
SV-10		Air			0955	1	X		-03
SV-11		Air			1000	1	X		-04
SV-12		Air			1100	1	X		-05
SV-13		Air	✓	✓	1110	1	X		-06
		Air				1	X		
		Air				1	X		
		Air				1	X		
		Air				1	X		

Analysis / Container / Preservative

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Chain of Custody Page 1 of 1

ESC LAB SCIENCES

YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # L837381

F215

Acctnum: **GEODESPOR**

Template: **T112223**

Prelogin: **P552926**

TSR: **358 - Jarred Willis**

PB: **SAK 5-10-16**

Shipped Via: **FedEX 2nd Day**

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	5-23-16	1330	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			Wex. S

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____

Temp: Amb. °C Bottles Received: 6

Date: 5-24-16 Time: 0900

Hold #

Condition: (lab use only) 1 = Empty 7 = ST TD ok

COC Seal Intact: ___Y ___N ___NA ✓

pH Checked: NCF:

6711 0339 3875 6711 0339 3864

ANALYTICAL REPORT

June 10, 2016

GeoDesign Inc.

Sample Delivery Group:	L839102
Samples Received:	06/02/2016
Project Number:	CAPSTONE-12-03
Description:	Capstone-12-03

Report To: Erik Hedberg
15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Entire Report Reviewed By:

Jason Romer
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 6

[5]Sr: Sample Results 7

DP-19(4.0-5.0) L839102-01 7

DP-19(10.0-11.0) L839102-02 10

DP-19 L839102-03 13

DP-20(10.0-11.0) L839102-04 15

DP-21(10.5-11.5) L839102-05 18

DP-22(1.0-2.0) L839102-06 21

DP-23(11.0-12.0) L839102-07 24

DP-24(10.0-11.0) L839102-08 27

DP-25(5.0-6.0) L839102-09 30

DP-25 L839102-10 33

DP-26(10.0-11.0) L839102-11 35

DP-26 L839102-12 38

DP-27(10.5-11.5) L839102-13 40

[6]Qc: Quality Control Summary 43

Total Solids by Method 2540 G-2011 43

Mercury by Method 7471A 45

Metals (ICP) by Method 6010B 46

Volatile Organic Compounds (GC) by Method NWTPHGX 47

Volatile Organic Compounds (GC/MS) by Method 8260B 50

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX 82

Polychlorinated Biphenyls (GC) by Method 8082 86

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM 87

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM 89

[7]Gl: Glossary of Terms 91

[8]Al: Accreditations & Locations 92

[9]Sc: Chain of Custody 93

DP-19(4.0-5.0) L839102-01 Solid

Collected by: Kevin Cline
Collected date/time: 05/31/16 09:10
Received date/time: 06/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG877477	20	06/08/16 06:56	06/09/16 18:29	KMP
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG877477	5	06/08/16 06:56	06/09/16 11:16	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG878133	50	06/09/16 08:42	06/09/16 21:36	JM
Total Solids by Method 2540 G-2011	WG877594	1	06/03/16 11:14	06/03/16 11:23	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG878163	7700	06/09/16 14:00	06/09/16 17:45	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG877508	770	06/06/16 13:47	06/07/16 03:34	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG878488	15400	06/07/16 21:13	06/08/16 05:26	DAH

DP-19(10.0-11.0) L839102-02 Solid

Collected by: Kevin Cline
Collected date/time: 05/31/16 09:25
Received date/time: 06/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG877477	1	06/08/16 06:56	06/09/16 04:13	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG879169	1	06/10/16 09:28	06/10/16 13:26	DMG
Total Solids by Method 2540 G-2011	WG877594	1	06/03/16 11:14	06/03/16 11:23	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG878160	21.75	06/08/16 18:46	06/09/16 15:22	JHH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG877508	1	06/06/16 13:47	06/07/16 03:52	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG878488	43.5	06/07/16 21:13	06/08/16 05:45	DAH

DP-19 L839102-03 GW

Collected by: Kevin Cline
Collected date/time: 05/31/16 09:40
Received date/time: 06/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG877919	1	06/05/16 17:07	06/06/16 11:11	FMB
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG878454	1	06/07/16 20:58	06/08/16 21:52	JNS
Volatile Organic Compounds (GC) by Method NWTPHGX	WG878037	1	06/08/16 17:24	06/08/16 17:24	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG878176	1	06/07/16 04:56	06/07/16 04:56	DWR

DP-20(10.0-11.0) L839102-04 Solid

Collected by: Kevin Cline
Collected date/time: 05/31/16 10:20
Received date/time: 06/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG877477	1	06/08/16 06:56	06/09/16 04:35	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG878133	1	06/09/16 08:42	06/09/16 19:23	JM
Total Solids by Method 2540 G-2011	WG877594	1	06/03/16 11:14	06/03/16 11:23	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG878160	1	06/08/16 18:46	06/09/16 03:13	DAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG877510	1	06/08/16 17:04	06/08/16 22:38	DAH

DP-21(10.5-11.5) L839102-05 Solid

Collected by: Kevin Cline
Collected date/time: 05/31/16 10:55
Received date/time: 06/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG877477	1	06/08/16 06:56	06/09/16 04:56	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG879169	1	06/10/16 09:28	06/10/16 13:41	DMG
Total Solids by Method 2540 G-2011	WG877594	1	06/03/16 11:14	06/03/16 11:23	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG878160	1	06/08/16 18:46	06/09/16 03:35	DAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG877510	1	06/08/16 17:04	06/08/16 22:56	DAH

DP-22(1.0-2.0) L839102-06 Solid

Collected by: Kevin Cline
Collected date/time: 05/31/16 11:40
Received date/time: 06/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG877477	1	06/08/16 06:56	06/09/16 05:17	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG879169	1	06/10/16 09:28	06/10/16 13:55	DMG
Total Solids by Method 2540 G-2011	WG877594	1	06/03/16 11:14	06/03/16 11:23	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG878160	1	06/08/16 18:46	06/09/16 03:58	DAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG877510	1	06/08/16 17:04	06/08/16 23:15	DAH

DP-23(11.0-12.0) L839102-07 Solid

Collected by: Kevin Cline
Collected date/time: 05/31/16 12:15
Received date/time: 06/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG877477	1	06/08/16 06:56	06/09/16 05:38	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG878133	1	06/09/16 08:42	06/09/16 20:22	JM
Total Solids by Method 2540 G-2011	WG877595	1	06/03/16 10:59	06/03/16 11:13	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG878160	1	06/08/16 18:46	06/09/16 04:20	DAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG877510	1.01	06/08/16 17:04	06/08/16 23:33	DAH

DP-24(10.0-11.0) L839102-08 Solid

Collected by: Kevin Cline
Collected date/time: 05/31/16 14:40
Received date/time: 06/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG877477	1	06/08/16 06:56	06/09/16 05:59	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG878133	1	06/09/16 08:42	06/09/16 20:34	JM
Total Solids by Method 2540 G-2011	WG877595	1	06/03/16 10:59	06/03/16 11:13	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG878160	1	06/08/16 18:46	06/09/16 04:43	DAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG877785	20.25	06/09/16 16:07	06/09/16 19:01	JAH

DP-25(5.0-6.0) L839102-09 Solid

Collected by: Kevin Cline
Collected date/time: 05/31/16 15:15
Received date/time: 06/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG877477	1	06/08/16 06:56	06/09/16 10:55	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG878133	1	06/09/16 08:42	06/09/16 18:33	JM
Total Solids by Method 2540 G-2011	WG877595	1	06/03/16 10:59	06/03/16 11:13	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG878160	1	06/08/16 18:46	06/09/16 05:05	DAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG877510	1	06/08/16 17:04	06/09/16 00:09	DAH

DP-25 L839102-10 GW

Collected by: Kevin Cline
Collected date/time: 05/31/16 15:25
Received date/time: 06/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG877919	1	06/05/16 17:07	06/06/16 11:34	FMB
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG877923	1	06/06/16 04:12	06/06/16 15:52	JNS
Volatile Organic Compounds (GC) by Method NWTPHGX	WG878037	1	06/09/16 03:42	06/09/16 03:42	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG878178	1	06/07/16 04:04	06/07/16 04:04	DAH

DP-26(10.0-11.0) L839102-11 Solid

Collected by: Kevin Cline
Collected date/time: 05/31/16 15:55
Received date/time: 06/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG877545	1	06/03/16 08:25	06/04/16 10:29	TRB
Metals (ICP) by Method 6010B	WG877491	1	06/03/16 10:41	06/03/16 14:22	RDS
Polychlorinated Biphenyls (GC) by Method 8082	WG877698	1	06/05/16 22:55	06/07/16 14:12	ADF
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG877477	100	06/08/16 06:56	06/09/16 11:58	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG878133	100	06/09/16 08:42	06/09/16 21:11	JM
Total Solids by Method 2540 G-2011	WG877595	1	06/03/16 10:59	06/03/16 11:13	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG878163	2250	06/09/16 14:00	06/09/16 18:09	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG877510	22.5	06/08/16 17:04	06/09/16 00:28	DAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG877785	180	06/09/16 16:07	06/09/16 19:20	JAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG878670	450	06/10/16 10:12	06/10/16 11:17	ACG

DP-26 L839102-12 GW

Collected by: Kevin Cline
Collected date/time: 05/31/16 16:20
Received date/time: 06/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG877919	1	06/05/16 17:07	06/06/16 11:57	FMB
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG877923	1	06/06/16 04:12	06/06/16 16:08	JNS
Volatile Organic Compounds (GC) by Method NWTPHGX	WG878037	1	06/09/16 04:11	06/09/16 04:11	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG878178	1	06/07/16 04:29	06/07/16 04:29	DAH

DP-27(10.5-11.5) L839102-13 Solid

Collected by: Kevin Cline
Collected date/time: 05/31/16 16:40
Received date/time: 06/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG877477	10	06/08/16 06:56	06/09/16 11:37	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG879169	50	06/10/16 09:28	06/10/16 15:08	DMG
Total Solids by Method 2540 G-2011	WG877595	1	06/03/16 10:59	06/03/16 11:13	KDW
Volatile Organic Compounds (GC) by Method NWTPHGX	WG878160	21	06/08/16 18:46	06/09/16 05:50	DAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG877510	21	06/08/16 17:04	06/09/16 00:46	DAH
Volatile Organic Compounds (GC/MS) by Method 8260B	WG877785	84	06/09/16 16:07	06/09/16 19:40	JAH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jason Romer
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	77.7		1	06/03/2016 11:23	WG877594

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	18400		991	7700	06/09/2016 17:45	WG878163
(S) a,a,a-Trifluorotoluene(FID)	*109*		*59.0-128*		*06/09/2016 17:45*	WG878163

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		49.5	770	06/07/2016 03:34	WG877508
Acrylonitrile	ND		9.91	770	06/07/2016 03:34	WG877508
Benzene	ND		0.991	770	06/07/2016 03:34	WG877508
Bromobenzene	ND		0.991	770	06/07/2016 03:34	WG877508
Bromodichloromethane	ND		0.991	770	06/07/2016 03:34	WG877508
Bromoform	ND		0.991	770	06/07/2016 03:34	WG877508
Bromomethane	ND		4.95	770	06/07/2016 03:34	WG877508
n-Butylbenzene	11.9		0.991	770	06/07/2016 03:34	WG877508
sec-Butylbenzene	14.0		0.991	770	06/07/2016 03:34	WG877508
tert-Butylbenzene	ND		0.991	770	06/07/2016 03:34	WG877508
Carbon tetrachloride	ND		0.991	770	06/07/2016 03:34	WG877508
Chlorobenzene	ND		0.991	770	06/07/2016 03:34	WG877508
Chlorodibromomethane	ND		0.991	770	06/07/2016 03:34	WG877508
Chloroethane	ND		4.95	770	06/07/2016 03:34	WG877508
2-Chloroethyl vinyl ether	ND		49.5	770	06/07/2016 03:34	WG877508
Chloroform	ND		4.95	770	06/07/2016 03:34	WG877508
Chloromethane	ND		2.48	770	06/07/2016 03:34	WG877508
2-Chlorotoluene	ND		0.991	770	06/07/2016 03:34	WG877508
4-Chlorotoluene	ND		0.991	770	06/07/2016 03:34	WG877508
1,2-Dibromo-3-Chloropropane	ND		4.95	770	06/07/2016 03:34	WG877508
1,2-Dibromoethane	ND		0.991	770	06/07/2016 03:34	WG877508
Dibromomethane	ND		0.991	770	06/07/2016 03:34	WG877508
1,2-Dichlorobenzene	ND		0.991	770	06/07/2016 03:34	WG877508
1,3-Dichlorobenzene	ND		0.991	770	06/07/2016 03:34	WG877508
1,4-Dichlorobenzene	ND		0.991	770	06/07/2016 03:34	WG877508
Dichlorodifluoromethane	ND		4.95	770	06/07/2016 03:34	WG877508
1,1-Dichloroethane	ND		0.991	770	06/07/2016 03:34	WG877508
1,2-Dichloroethane	ND		0.991	770	06/07/2016 03:34	WG877508
1,1-Dichloroethene	ND		0.991	770	06/07/2016 03:34	WG877508
cis-1,2-Dichloroethene	ND		0.991	770	06/07/2016 03:34	WG877508
trans-1,2-Dichloroethene	ND		0.991	770	06/07/2016 03:34	WG877508
1,2-Dichloropropane	ND		0.991	770	06/07/2016 03:34	WG877508
1,1-Dichloropropene	ND		0.991	770	06/07/2016 03:34	WG877508
1,3-Dichloropropane	ND		0.991	770	06/07/2016 03:34	WG877508
cis-1,3-Dichloropropene	ND		0.991	770	06/07/2016 03:34	WG877508
trans-1,3-Dichloropropene	ND		0.991	770	06/07/2016 03:34	WG877508
2,2-Dichloropropane	ND		0.991	770	06/07/2016 03:34	WG877508
Di-isopropyl ether	ND		0.991	770	06/07/2016 03:34	WG877508
Ethylbenzene	4.61		0.991	770	06/07/2016 03:34	WG877508
Hexachloro-1,3-butadiene	ND		0.991	770	06/07/2016 03:34	WG877508
Isopropylbenzene	8.29		0.991	770	06/07/2016 03:34	WG877508
p-Isopropyltoluene	15.3		0.991	770	06/07/2016 03:34	WG877508
2-Butanone (MEK)	ND		9.91	770	06/07/2016 03:34	WG877508
Methylene Chloride	ND		4.95	770	06/07/2016 03:34	WG877508

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		9.91	770	06/07/2016 03:34	WG877508
Methyl tert-butyl ether	ND		0.991	770	06/07/2016 03:34	WG877508
Naphthalene	16.0		4.95	770	06/07/2016 03:34	WG877508
n-Propylbenzene	17.6		0.991	770	06/07/2016 03:34	WG877508
Styrene	ND	J4	0.991	770	06/07/2016 03:34	WG877508
1,1,1,2-Tetrachloroethane	ND		0.991	770	06/07/2016 03:34	WG877508
1,1,2,2-Tetrachloroethane	ND		0.991	770	06/07/2016 03:34	WG877508
1,1,2-Trichlorotrifluoroethane	ND		0.991	770	06/07/2016 03:34	WG877508
Tetrachloroethene	2.47		0.991	770	06/07/2016 03:34	WG877508
Toluene	ND		4.95	770	06/07/2016 03:34	WG877508
1,2,3-Trichlorobenzene	ND		0.991	770	06/07/2016 03:34	WG877508
1,2,4-Trichlorobenzene	ND		0.991	770	06/07/2016 03:34	WG877508
1,1,1-Trichloroethane	ND		0.991	770	06/07/2016 03:34	WG877508
1,1,2-Trichloroethane	ND		0.991	770	06/07/2016 03:34	WG877508
Trichloroethene	196		19.8	15400	06/08/2016 05:26	WG878488
Trichlorofluoromethane	ND		4.95	770	06/07/2016 03:34	WG877508
1,2,3-Trichloropropane	ND		2.48	770	06/07/2016 03:34	WG877508
1,2,4-Trimethylbenzene	99.3		0.991	770	06/07/2016 03:34	WG877508
1,2,3-Trimethylbenzene	86.0		0.991	770	06/07/2016 03:34	WG877508
1,3,5-Trimethylbenzene	37.8		0.991	770	06/07/2016 03:34	WG877508
Vinyl chloride	ND		0.991	770	06/07/2016 03:34	WG877508
Xylenes, Total	29.0		2.97	770	06/07/2016 03:34	WG877508
(S) Toluene-d8	*99.8*		*88.7-115*		*06/07/2016 03:34*	WG877508
(S) Toluene-d8	*105*		*88.7-115*		*06/08/2016 05:26*	WG878488
(S) Dibromofluoromethane	*99.1*		*76.3-123*		*06/08/2016 05:26*	WG878488
(S) Dibromofluoromethane	*104*		*76.3-123*		*06/07/2016 03:34*	WG877508
(S) a,a,a-Trifluorotoluene	*91.9*		*87.2-117*		*06/07/2016 03:34*	WG877508
(S) a,a,a-Trifluorotoluene	*106*		*87.2-117*		*06/08/2016 05:26*	WG878488
(S) 4-Bromofluorobenzene	*106*		*69.7-129*		*06/08/2016 05:26*	WG878488
(S) 4-Bromofluorobenzene	*210*	J1	*69.7-129*		*06/07/2016 03:34*	WG877508

Sample Narrative:

8260B L839102-01 WG877508: Surrogate failed due to matrix interference.

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	2780		257	50	06/09/2016 21:36	WG878133
Residual Range Organics (RRO)	4740		643	50	06/09/2016 21:36	WG878133
(S) o-Terphenyl	*0.000*	J7	*50.0-150*		*06/09/2016 21:36*	WG878133

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.421		0.0386	5	06/09/2016 11:16	WG877477
Acenaphthene	0.181		0.154	20	06/09/2016 18:29	WG877477
Acenaphthylene	0.177		0.154	20	06/09/2016 18:29	WG877477
Benzo(a)anthracene	0.236		0.0386	5	06/09/2016 11:16	WG877477
Benzo(a)pyrene	0.139		0.0386	5	06/09/2016 11:16	WG877477
Benzo(b)fluoranthene	0.153		0.0386	5	06/09/2016 11:16	WG877477
Benzo(g,h,i)perylene	0.0799		0.0386	5	06/09/2016 11:16	WG877477
Benzo(k)fluoranthene	0.0716		0.0386	5	06/09/2016 11:16	WG877477
Chrysene	0.399		0.0386	5	06/09/2016 11:16	WG877477
Dibenz(a,h)anthracene	ND		0.0386	5	06/09/2016 11:16	WG877477
Fluoranthene	0.816		0.0386	5	06/09/2016 11:16	WG877477

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Fluorene	0.474		0.154	20	06/09/2016 18:29	WG877477
Indeno(1,2,3-cd)pyrene	0.0488		0.0386	5	06/09/2016 11:16	WG877477
Naphthalene	17.9		0.515	20	06/09/2016 18:29	WG877477
Phenanthrene	1.85		0.0386	5	06/09/2016 11:16	WG877477
Pyrene	0.748		0.0386	5	06/09/2016 11:16	WG877477
1-Methylnaphthalene	7.99		0.515	20	06/09/2016 18:29	WG877477
2-Methylnaphthalene	16.2		0.515	20	06/09/2016 18:29	WG877477
2-Chloronaphthalene	ND		0.515	20	06/09/2016 18:29	WG877477
(S) Nitrobenzene-d5	*689*	J7	*22.1-146*		*06/09/2016 18:29*	WG877477
(S) Nitrobenzene-d5	*6460*	J1	*22.1-146*		*06/09/2016 11:16*	WG877477
(S) 2-Fluorobiphenyl	*89.7*		*40.6-122*		*06/09/2016 11:16*	WG877477
(S) 2-Fluorobiphenyl	*79.1*	J7	*40.6-122*		*06/09/2016 18:29*	WG877477
(S) p-Terphenyl-d14	*68.7*	J7	*32.2-131*		*06/09/2016 18:29*	WG877477
(S) p-Terphenyl-d14	*60.7*		*32.2-131*		*06/09/2016 11:16*	WG877477

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.1		1	06/03/2016 11:23	WG877594

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		2.90	21.75	06/09/2016 15:22	WG878160
(S) a,a,a-Trifluorotoluene(FID)	*108*		*59.0-128*		*06/09/2016 15:22*	WG878160

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0666	1	06/07/2016 03:52	WG877508
Acrylonitrile	ND		0.0133	1	06/07/2016 03:52	WG877508
Benzene	ND		0.00133	1	06/07/2016 03:52	WG877508
Bromobenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
Bromodichloromethane	ND		0.00133	1	06/07/2016 03:52	WG877508
Bromoform	ND		0.00133	1	06/07/2016 03:52	WG877508
Bromomethane	ND		0.00666	1	06/07/2016 03:52	WG877508
n-Butylbenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
sec-Butylbenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
tert-Butylbenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
Carbon tetrachloride	ND		0.00133	1	06/07/2016 03:52	WG877508
Chlorobenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
Chlorodibromomethane	ND		0.00133	1	06/07/2016 03:52	WG877508
Chloroethane	ND		0.00666	1	06/07/2016 03:52	WG877508
2-Chloroethyl vinyl ether	ND		0.0666	1	06/07/2016 03:52	WG877508
Chloroform	ND		0.00666	1	06/07/2016 03:52	WG877508
Chloromethane	ND		0.00333	1	06/07/2016 03:52	WG877508
2-Chlorotoluene	ND		0.00133	1	06/07/2016 03:52	WG877508
4-Chlorotoluene	ND		0.00133	1	06/07/2016 03:52	WG877508
1,2-Dibromo-3-Chloropropane	ND		0.00666	1	06/07/2016 03:52	WG877508
1,2-Dibromoethane	ND		0.00133	1	06/07/2016 03:52	WG877508
Dibromomethane	ND		0.00133	1	06/07/2016 03:52	WG877508
1,2-Dichlorobenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
1,3-Dichlorobenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
1,4-Dichlorobenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
Dichlorodifluoromethane	ND		0.00666	1	06/07/2016 03:52	WG877508
1,1-Dichloroethane	ND		0.00133	1	06/07/2016 03:52	WG877508
1,2-Dichloroethane	ND		0.00133	1	06/07/2016 03:52	WG877508
1,1-Dichloroethene	ND		0.00133	1	06/07/2016 03:52	WG877508
cis-1,2-Dichloroethene	ND		0.00133	1	06/07/2016 03:52	WG877508
trans-1,2-Dichloroethene	ND		0.00133	1	06/07/2016 03:52	WG877508
1,2-Dichloropropane	ND		0.00133	1	06/07/2016 03:52	WG877508
1,1-Dichloropropene	ND		0.00133	1	06/07/2016 03:52	WG877508
1,3-Dichloropropane	ND		0.00133	1	06/07/2016 03:52	WG877508
cis-1,3-Dichloropropene	ND		0.00133	1	06/07/2016 03:52	WG877508
trans-1,3-Dichloropropene	ND		0.00133	1	06/07/2016 03:52	WG877508
2,2-Dichloropropane	ND		0.00133	1	06/07/2016 03:52	WG877508
Di-isopropyl ether	ND		0.00133	1	06/07/2016 03:52	WG877508
Ethylbenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
Hexachloro-1,3-butadiene	ND		0.00133	1	06/07/2016 03:52	WG877508
Isopropylbenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
p-Isopropyltoluene	ND		0.00133	1	06/07/2016 03:52	WG877508
2-Butanone (MEK)	ND		0.0133	1	06/07/2016 03:52	WG877508
Methylene Chloride	ND		0.00666	1	06/07/2016 03:52	WG877508

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0133	1	06/07/2016 03:52	WG877508
Methyl tert-butyl ether	ND		0.00133	1	06/07/2016 03:52	WG877508
Naphthalene	ND		0.00666	1	06/07/2016 03:52	WG877508
n-Propylbenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
Styrene	ND	J4	0.00133	1	06/07/2016 03:52	WG877508
1,1,1,2-Tetrachloroethane	ND		0.00133	1	06/07/2016 03:52	WG877508
1,1,2,2-Tetrachloroethane	ND		0.00133	1	06/07/2016 03:52	WG877508
1,1,2-Trichlorotrifluoroethane	ND		0.00133	1	06/07/2016 03:52	WG877508
Tetrachloroethene	ND		0.00133	1	06/07/2016 03:52	WG877508
Toluene	ND		0.00666	1	06/07/2016 03:52	WG877508
1,2,3-Trichlorobenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
1,2,4-Trichlorobenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
1,1,1-Trichloroethane	ND		0.00133	1	06/07/2016 03:52	WG877508
1,1,2-Trichloroethane	0.00135		0.00133	1	06/07/2016 03:52	WG877508
Trichloroethene	1.56		0.0579	43.5	06/08/2016 05:45	WG878488
Trichlorofluoromethane	ND		0.00666	1	06/07/2016 03:52	WG877508
1,2,3-Trichloropropane	ND		0.00333	1	06/07/2016 03:52	WG877508
1,2,4-Trimethylbenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
1,2,3-Trimethylbenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
1,3,5-Trimethylbenzene	ND		0.00133	1	06/07/2016 03:52	WG877508
Vinyl chloride	ND		0.00133	1	06/07/2016 03:52	WG877508
Xylenes, Total	ND		0.00399	1	06/07/2016 03:52	WG877508
(S) Toluene-d8	*93.8*		*88.7-115*		*06/07/2016 03:52*	WG877508
(S) Toluene-d8	*105*		*88.7-115*		*06/08/2016 05:45*	WG878488
(S) Dibromofluoromethane	*101*		*76.3-123*		*06/08/2016 05:45*	WG878488
(S) Dibromofluoromethane	*110*		*76.3-123*		*06/07/2016 03:52*	WG877508
(S) α,α,α-Trifluorotoluene	*88.5*		*87.2-117*		*06/07/2016 03:52*	WG877508
(S) α,α,α-Trifluorotoluene	*103*		*87.2-117*		*06/08/2016 05:45*	WG878488
(S) 4-Bromofluorobenzene	*98.1*		*69.7-129*		*06/08/2016 05:45*	WG878488
(S) 4-Bromofluorobenzene	*97.3*		*69.7-129*		*06/07/2016 03:52*	WG877508

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.33	1	06/10/2016 13:26	WG879169
Residual Range Organics (RRO)	ND		13.3	1	06/10/2016 13:26	WG879169
(S) o-Terphenyl	*60.3*		*50.0-150*		*06/10/2016 13:26*	WG879169

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00799	1	06/09/2016 04:13	WG877477
Acenaphthene	ND		0.00799	1	06/09/2016 04:13	WG877477
Acenaphthylene	ND		0.00799	1	06/09/2016 04:13	WG877477
Benzo(a)anthracene	ND		0.00799	1	06/09/2016 04:13	WG877477
Benzo(a)pyrene	ND		0.00799	1	06/09/2016 04:13	WG877477
Benzo(b)fluoranthene	ND		0.00799	1	06/09/2016 04:13	WG877477
Benzo(g,h,i)perylene	ND		0.00799	1	06/09/2016 04:13	WG877477
Benzo(k)fluoranthene	ND		0.00799	1	06/09/2016 04:13	WG877477
Chrysene	ND		0.00799	1	06/09/2016 04:13	WG877477
Dibenz(a,h)anthracene	ND		0.00799	1	06/09/2016 04:13	WG877477
Fluoranthene	ND		0.00799	1	06/09/2016 04:13	WG877477
Fluorene	ND		0.00799	1	06/09/2016 04:13	WG877477
Indeno(1,2,3-cd)pyrene	ND		0.00799	1	06/09/2016 04:13	WG877477
Naphthalene	ND		0.0266	1	06/09/2016 04:13	WG877477

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Phenanthrene	ND		0.00799	1	06/09/2016 04:13	WG877477
Pyrene	ND		0.00799	1	06/09/2016 04:13	WG877477
1-Methylnaphthalene	ND		0.0266	1	06/09/2016 04:13	WG877477
2-Methylnaphthalene	ND		0.0266	1	06/09/2016 04:13	WG877477
2-Chloronaphthalene	ND		0.0266	1	06/09/2016 04:13	WG877477
(S) Nitrobenzene-d5	*127*		*22.1-146*		*06/09/2016 04:13*	WG877477
(S) 2-Fluorobiphenyl	*99.9*		*40.6-122*		*06/09/2016 04:13*	WG877477
(S) p-Terphenyl-d14	*62.1*		*32.2-131*		*06/09/2016 04:13*	WG877477

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND	J3	100	1	06/08/2016 17:24	WG878037
(S) a,a,a-Trifluorotoluene(FID)	*101*		*62.0-128*		*06/08/2016 17:24*	WG878037

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	06/07/2016 04:56	WG878176
Acrolein	ND		50.0	1	06/07/2016 04:56	WG878176
Acrylonitrile	ND		10.0	1	06/07/2016 04:56	WG878176
Benzene	ND		1.00	1	06/07/2016 04:56	WG878176
Bromobenzene	ND		1.00	1	06/07/2016 04:56	WG878176
Bromodichloromethane	ND		1.00	1	06/07/2016 04:56	WG878176
Bromoform	ND		1.00	1	06/07/2016 04:56	WG878176
Bromomethane	ND		5.00	1	06/07/2016 04:56	WG878176
n-Butylbenzene	ND		1.00	1	06/07/2016 04:56	WG878176
sec-Butylbenzene	ND		1.00	1	06/07/2016 04:56	WG878176
tert-Butylbenzene	ND		1.00	1	06/07/2016 04:56	WG878176
Carbon tetrachloride	ND	J4	1.00	1	06/07/2016 04:56	WG878176
Chlorobenzene	ND		1.00	1	06/07/2016 04:56	WG878176
Chlorodibromomethane	ND		1.00	1	06/07/2016 04:56	WG878176
Chloroethane	ND		5.00	1	06/07/2016 04:56	WG878176
2-Chloroethyl vinyl ether	ND		50.0	1	06/07/2016 04:56	WG878176
Chloroform	ND		5.00	1	06/07/2016 04:56	WG878176
Chloromethane	ND		2.50	1	06/07/2016 04:56	WG878176
2-Chlorotoluene	ND		1.00	1	06/07/2016 04:56	WG878176
4-Chlorotoluene	ND		1.00	1	06/07/2016 04:56	WG878176
1,2-Dibromo-3-Chloropropane	ND		5.00	1	06/07/2016 04:56	WG878176
1,2-Dibromoethane	ND		1.00	1	06/07/2016 04:56	WG878176
Dibromomethane	ND		1.00	1	06/07/2016 04:56	WG878176
1,2-Dichlorobenzene	ND		1.00	1	06/07/2016 04:56	WG878176
1,3-Dichlorobenzene	ND		1.00	1	06/07/2016 04:56	WG878176
1,4-Dichlorobenzene	ND		1.00	1	06/07/2016 04:56	WG878176
Dichlorodifluoromethane	ND		5.00	1	06/07/2016 04:56	WG878176
1,1-Dichloroethane	ND		1.00	1	06/07/2016 04:56	WG878176
1,2-Dichloroethane	ND		1.00	1	06/07/2016 04:56	WG878176
1,1-Dichloroethene	ND		1.00	1	06/07/2016 04:56	WG878176
cis-1,2-Dichloroethene	ND		1.00	1	06/07/2016 04:56	WG878176
trans-1,2-Dichloroethene	ND		1.00	1	06/07/2016 04:56	WG878176
1,2-Dichloropropane	ND		1.00	1	06/07/2016 04:56	WG878176
1,1-Dichloropropene	ND		1.00	1	06/07/2016 04:56	WG878176
1,3-Dichloropropane	ND		1.00	1	06/07/2016 04:56	WG878176
cis-1,3-Dichloropropene	ND		1.00	1	06/07/2016 04:56	WG878176
trans-1,3-Dichloropropene	ND		1.00	1	06/07/2016 04:56	WG878176
2,2-Dichloropropane	ND		1.00	1	06/07/2016 04:56	WG878176
Di-isopropyl ether	ND		1.00	1	06/07/2016 04:56	WG878176
Ethylbenzene	ND		1.00	1	06/07/2016 04:56	WG878176
Hexachloro-1,3-butadiene	ND		1.00	1	06/07/2016 04:56	WG878176
Isopropylbenzene	ND		1.00	1	06/07/2016 04:56	WG878176
p-Isopropyltoluene	ND		1.00	1	06/07/2016 04:56	WG878176
2-Butanone (MEK)	ND		10.0	1	06/07/2016 04:56	WG878176
Methylene Chloride	ND		5.00	1	06/07/2016 04:56	WG878176
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/07/2016 04:56	WG878176
Methyl tert-butyl ether	ND		1.00	1	06/07/2016 04:56	WG878176
Naphthalene	ND		5.00	1	06/07/2016 04:56	WG878176
n-Propylbenzene	ND		1.00	1	06/07/2016 04:56	WG878176

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Styrene	ND		1.00	1	06/07/2016 04:56	WG878176
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/07/2016 04:56	WG878176
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/07/2016 04:56	WG878176
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/07/2016 04:56	WG878176
Tetrachloroethene	ND		1.00	1	06/07/2016 04:56	WG878176
Toluene	ND		5.00	1	06/07/2016 04:56	WG878176
1,2,3-Trichlorobenzene	ND		1.00	1	06/07/2016 04:56	WG878176
1,2,4-Trichlorobenzene	ND		1.00	1	06/07/2016 04:56	WG878176
1,1,1-Trichloroethane	ND		1.00	1	06/07/2016 04:56	WG878176
1,1,2-Trichloroethane	ND		1.00	1	06/07/2016 04:56	WG878176
Trichloroethene	6.38		1.00	1	06/07/2016 04:56	WG878176
Trichlorofluoromethane	ND		5.00	1	06/07/2016 04:56	WG878176
1,2,3-Trichloropropane	ND		2.50	1	06/07/2016 04:56	WG878176
1,2,4-Trimethylbenzene	ND		1.00	1	06/07/2016 04:56	WG878176
1,2,3-Trimethylbenzene	ND		1.00	1	06/07/2016 04:56	WG878176
1,3,5-Trimethylbenzene	ND		1.00	1	06/07/2016 04:56	WG878176
Vinyl chloride	ND		1.00	1	06/07/2016 04:56	WG878176
Xylenes, Total	ND		3.00	1	06/07/2016 04:56	WG878176
(S) Toluene-d8	*96.3*		*90.0-115*		*06/07/2016 04:56*	WG878176
(S) Dibromofluoromethane	*94.8*		*79.0-121*		*06/07/2016 04:56*	WG878176
(S) 4-Bromofluorobenzene	*88.8*		*80.1-120*		*06/07/2016 04:56*	WG878176

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		100	1	06/08/2016 21:52	WG878454
Residual Range Organics (RRO)	ND		250	1	06/08/2016 21:52	WG878454
(S) o-Terphenyl	*86.3*		*50.0-150*		*06/08/2016 21:52*	WG878454

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0500	1	06/06/2016 11:11	WG877919
Acenaphthene	ND		0.0500	1	06/06/2016 11:11	WG877919
Acenaphthylene	ND		0.0500	1	06/06/2016 11:11	WG877919
Benzo(a)anthracene	ND		0.0500	1	06/06/2016 11:11	WG877919
Benzo(a)pyrene	ND		0.0500	1	06/06/2016 11:11	WG877919
Benzo(b)fluoranthene	ND		0.0500	1	06/06/2016 11:11	WG877919
Benzo(g,h,i)perylene	ND		0.0500	1	06/06/2016 11:11	WG877919
Benzo(k)fluoranthene	ND		0.0500	1	06/06/2016 11:11	WG877919
Chrysene	ND		0.0500	1	06/06/2016 11:11	WG877919
Dibenz(a,h)anthracene	ND		0.0500	1	06/06/2016 11:11	WG877919
Fluoranthene	ND		0.0500	1	06/06/2016 11:11	WG877919
Fluorene	ND		0.0500	1	06/06/2016 11:11	WG877919
Indeno(1,2,3-cd)pyrene	ND		0.0500	1	06/06/2016 11:11	WG877919
Naphthalene	ND		0.250	1	06/06/2016 11:11	WG877919
Phenanthrene	ND		0.0500	1	06/06/2016 11:11	WG877919
Pyrene	ND		0.0500	1	06/06/2016 11:11	WG877919
1-Methylnaphthalene	ND		0.250	1	06/06/2016 11:11	WG877919
2-Methylnaphthalene	ND		0.250	1	06/06/2016 11:11	WG877919
2-Chloronaphthalene	ND		0.250	1	06/06/2016 11:11	WG877919
(S) Nitrobenzene-d5	*84.7*		*45.1-170*		*06/06/2016 11:11*	WG877919
(S) 2-Fluorobiphenyl	*88.6*		*57.7-153*		*06/06/2016 11:11*	WG877919
(S) p-Terphenyl-d14	*78.5*		*53.2-156*		*06/06/2016 11:11*	WG877919

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.3		1	06/03/2016 11:23	WG877594

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.128	1	06/09/2016 03:13	WG878160
(S) a,a,a-Trifluorotoluene(FID)	*98.9*		*59.0-128*		*06/09/2016 03:13*	WG878160

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0639	1	06/08/2016 22:38	WG877510
Acrylonitrile	ND		0.0128	1	06/08/2016 22:38	WG877510
Benzene	ND		0.00128	1	06/08/2016 22:38	WG877510
Bromobenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
Bromodichloromethane	ND		0.00128	1	06/08/2016 22:38	WG877510
Bromoform	ND		0.00128	1	06/08/2016 22:38	WG877510
Bromomethane	ND		0.00639	1	06/08/2016 22:38	WG877510
n-Butylbenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
sec-Butylbenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
tert-Butylbenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
Carbon tetrachloride	ND		0.00128	1	06/08/2016 22:38	WG877510
Chlorobenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
Chlorodibromomethane	ND		0.00128	1	06/08/2016 22:38	WG877510
Chloroethane	ND		0.00639	1	06/08/2016 22:38	WG877510
2-Chloroethyl vinyl ether	ND		0.0639	1	06/08/2016 22:38	WG877510
Chloroform	ND		0.00639	1	06/08/2016 22:38	WG877510
Chloromethane	ND		0.00319	1	06/08/2016 22:38	WG877510
2-Chlorotoluene	ND		0.00128	1	06/08/2016 22:38	WG877510
4-Chlorotoluene	ND		0.00128	1	06/08/2016 22:38	WG877510
1,2-Dibromo-3-Chloropropane	ND		0.00639	1	06/08/2016 22:38	WG877510
1,2-Dibromoethane	ND		0.00128	1	06/08/2016 22:38	WG877510
Dibromomethane	ND		0.00128	1	06/08/2016 22:38	WG877510
1,2-Dichlorobenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
1,3-Dichlorobenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
1,4-Dichlorobenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
Dichlorodifluoromethane	ND		0.00639	1	06/08/2016 22:38	WG877510
1,1-Dichloroethane	ND		0.00128	1	06/08/2016 22:38	WG877510
1,2-Dichloroethane	ND		0.00128	1	06/08/2016 22:38	WG877510
1,1-Dichloroethene	ND		0.00128	1	06/08/2016 22:38	WG877510
cis-1,2-Dichloroethene	ND		0.00128	1	06/08/2016 22:38	WG877510
trans-1,2-Dichloroethene	ND		0.00128	1	06/08/2016 22:38	WG877510
1,2-Dichloropropane	ND		0.00128	1	06/08/2016 22:38	WG877510
1,1-Dichloropropene	ND		0.00128	1	06/08/2016 22:38	WG877510
1,3-Dichloropropane	ND		0.00128	1	06/08/2016 22:38	WG877510
cis-1,3-Dichloropropene	ND		0.00128	1	06/08/2016 22:38	WG877510
trans-1,3-Dichloropropene	ND		0.00128	1	06/08/2016 22:38	WG877510
2,2-Dichloropropane	ND		0.00128	1	06/08/2016 22:38	WG877510
Di-isopropyl ether	ND		0.00128	1	06/08/2016 22:38	WG877510
Ethylbenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
Hexachloro-1,3-butadiene	ND		0.00128	1	06/08/2016 22:38	WG877510
Isopropylbenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
p-Isopropyltoluene	ND		0.00128	1	06/08/2016 22:38	WG877510
2-Butanone (MEK)	ND		0.0128	1	06/08/2016 22:38	WG877510
Methylene Chloride	ND		0.00639	1	06/08/2016 22:38	WG877510

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0128	1	06/08/2016 22:38	WG877510
Methyl tert-butyl ether	ND		0.00128	1	06/08/2016 22:38	WG877510
Naphthalene	ND		0.00639	1	06/08/2016 22:38	WG877510
n-Propylbenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
Styrene	ND		0.00128	1	06/08/2016 22:38	WG877510
1,1,1,2-Tetrachloroethane	ND		0.00128	1	06/08/2016 22:38	WG877510
1,1,2,2-Tetrachloroethane	ND		0.00128	1	06/08/2016 22:38	WG877510
1,1,2-Trichlorotrifluoroethane	ND		0.00128	1	06/08/2016 22:38	WG877510
Tetrachloroethene	ND		0.00128	1	06/08/2016 22:38	WG877510
Toluene	ND		0.00639	1	06/08/2016 22:38	WG877510
1,2,3-Trichlorobenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
1,2,4-Trichlorobenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
1,1,1-Trichloroethane	ND		0.00128	1	06/08/2016 22:38	WG877510
1,1,2-Trichloroethane	ND		0.00128	1	06/08/2016 22:38	WG877510
Trichloroethene	0.00415		0.00128	1	06/08/2016 22:38	WG877510
Trichlorofluoromethane	ND		0.00639	1	06/08/2016 22:38	WG877510
1,2,3-Trichloropropane	ND		0.00319	1	06/08/2016 22:38	WG877510
1,2,4-Trimethylbenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
1,2,3-Trimethylbenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
1,3,5-Trimethylbenzene	ND		0.00128	1	06/08/2016 22:38	WG877510
Vinyl chloride	ND		0.00128	1	06/08/2016 22:38	WG877510
Xylenes, Total	ND		0.00383	1	06/08/2016 22:38	WG877510
(S) Toluene-d8	*103*		*88.7-115*		*06/08/2016 22:38*	WG877510
(S) Dibromofluoromethane	*88.8*		*76.3-123*		*06/08/2016 22:38*	WG877510
(S) a,a,a-Trifluorotoluene	*103*		*87.2-117*		*06/08/2016 22:38*	WG877510
(S) 4-Bromofluorobenzene	*97.8*		*69.7-129*		*06/08/2016 22:38*	WG877510

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.11	1	06/09/2016 19:23	WG878133
Residual Range Organics (RRO)	ND		12.8	1	06/09/2016 19:23	WG878133
(S) o-Terphenyl	*53.6*		*50.0-150*		*06/09/2016 19:23*	WG878133

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00767	1	06/09/2016 04:35	WG877477
Acenaphthene	ND		0.00767	1	06/09/2016 04:35	WG877477
Acenaphthylene	ND		0.00767	1	06/09/2016 04:35	WG877477
Benzo(a)anthracene	ND		0.00767	1	06/09/2016 04:35	WG877477
Benzo(a)pyrene	ND		0.00767	1	06/09/2016 04:35	WG877477
Benzo(b)fluoranthene	ND		0.00767	1	06/09/2016 04:35	WG877477
Benzo(g,h,i)perylene	ND		0.00767	1	06/09/2016 04:35	WG877477
Benzo(k)fluoranthene	ND		0.00767	1	06/09/2016 04:35	WG877477
Chrysene	ND		0.00767	1	06/09/2016 04:35	WG877477
Dibenz(a,h)anthracene	ND		0.00767	1	06/09/2016 04:35	WG877477
Fluoranthene	ND		0.00767	1	06/09/2016 04:35	WG877477
Fluorene	ND		0.00767	1	06/09/2016 04:35	WG877477
Indeno(1,2,3-cd)pyrene	ND		0.00767	1	06/09/2016 04:35	WG877477
Naphthalene	ND		0.0256	1	06/09/2016 04:35	WG877477
Phenanthrene	ND		0.00767	1	06/09/2016 04:35	WG877477
Pyrene	ND		0.00767	1	06/09/2016 04:35	WG877477
1-Methylnaphthalene	ND		0.0256	1	06/09/2016 04:35	WG877477
2-Methylnaphthalene	ND		0.0256	1	06/09/2016 04:35	WG877477

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0256	1	06/09/2016 04:35	WG877477
(S) Nitrobenzene-d5	*116*		*22.1-146*		*06/09/2016 04:35*	WG877477
(S) 2-Fluorobiphenyl	*96.9*		*40.6-122*		*06/09/2016 04:35*	WG877477
(S) p-Terphenyl-d14	*69.7*		*32.2-131*		*06/09/2016 04:35*	WG877477

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.6		1	06/03/2016 11:23	WG877594

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.134	1	06/09/2016 03:35	WG878160
(S) a,a,a-Trifluorotoluene(FID)	*99.0*		*59.0-128*		*06/09/2016 03:35*	WG878160

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0670	1	06/08/2016 22:56	WG877510
Acrylonitrile	ND		0.0134	1	06/08/2016 22:56	WG877510
Benzene	ND		0.00134	1	06/08/2016 22:56	WG877510
Bromobenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
Bromodichloromethane	ND		0.00134	1	06/08/2016 22:56	WG877510
Bromoform	ND		0.00134	1	06/08/2016 22:56	WG877510
Bromomethane	ND		0.00670	1	06/08/2016 22:56	WG877510
n-Butylbenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
sec-Butylbenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
tert-Butylbenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
Carbon tetrachloride	ND		0.00134	1	06/08/2016 22:56	WG877510
Chlorobenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
Chlorodibromomethane	ND		0.00134	1	06/08/2016 22:56	WG877510
Chloroethane	ND		0.00670	1	06/08/2016 22:56	WG877510
2-Chloroethyl vinyl ether	ND		0.0670	1	06/08/2016 22:56	WG877510
Chloroform	ND		0.00670	1	06/08/2016 22:56	WG877510
Chloromethane	ND		0.00335	1	06/08/2016 22:56	WG877510
2-Chlorotoluene	ND		0.00134	1	06/08/2016 22:56	WG877510
4-Chlorotoluene	ND		0.00134	1	06/08/2016 22:56	WG877510
1,2-Dibromo-3-Chloropropane	ND		0.00670	1	06/08/2016 22:56	WG877510
1,2-Dibromoethane	ND		0.00134	1	06/08/2016 22:56	WG877510
Dibromomethane	ND		0.00134	1	06/08/2016 22:56	WG877510
1,2-Dichlorobenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
1,3-Dichlorobenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
1,4-Dichlorobenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
Dichlorodifluoromethane	ND		0.00670	1	06/08/2016 22:56	WG877510
1,1-Dichloroethane	ND		0.00134	1	06/08/2016 22:56	WG877510
1,2-Dichloroethane	ND		0.00134	1	06/08/2016 22:56	WG877510
1,1-Dichloroethene	ND		0.00134	1	06/08/2016 22:56	WG877510
cis-1,2-Dichloroethene	ND		0.00134	1	06/08/2016 22:56	WG877510
trans-1,2-Dichloroethene	ND		0.00134	1	06/08/2016 22:56	WG877510
1,2-Dichloropropane	ND		0.00134	1	06/08/2016 22:56	WG877510
1,1-Dichloropropene	ND		0.00134	1	06/08/2016 22:56	WG877510
1,3-Dichloropropane	ND		0.00134	1	06/08/2016 22:56	WG877510
cis-1,3-Dichloropropene	ND		0.00134	1	06/08/2016 22:56	WG877510
trans-1,3-Dichloropropene	ND		0.00134	1	06/08/2016 22:56	WG877510
2,2-Dichloropropane	ND		0.00134	1	06/08/2016 22:56	WG877510
Di-isopropyl ether	ND		0.00134	1	06/08/2016 22:56	WG877510
Ethylbenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
Hexachloro-1,3-butadiene	ND		0.00134	1	06/08/2016 22:56	WG877510
Isopropylbenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
p-Isopropyltoluene	ND		0.00134	1	06/08/2016 22:56	WG877510
2-Butanone (MEK)	ND		0.0134	1	06/08/2016 22:56	WG877510
Methylene Chloride	ND		0.00670	1	06/08/2016 22:56	WG877510

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0134	1	06/08/2016 22:56	WG877510
Methyl tert-butyl ether	ND		0.00134	1	06/08/2016 22:56	WG877510
Naphthalene	ND		0.00670	1	06/08/2016 22:56	WG877510
n-Propylbenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
Styrene	ND		0.00134	1	06/08/2016 22:56	WG877510
1,1,1,2-Tetrachloroethane	ND		0.00134	1	06/08/2016 22:56	WG877510
1,1,2,2-Tetrachloroethane	ND		0.00134	1	06/08/2016 22:56	WG877510
1,1,2-Trichlorotrifluoroethane	ND		0.00134	1	06/08/2016 22:56	WG877510
Tetrachloroethene	ND		0.00134	1	06/08/2016 22:56	WG877510
Toluene	ND		0.00670	1	06/08/2016 22:56	WG877510
1,2,3-Trichlorobenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
1,2,4-Trichlorobenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
1,1,1-Trichloroethane	ND		0.00134	1	06/08/2016 22:56	WG877510
1,1,2-Trichloroethane	ND		0.00134	1	06/08/2016 22:56	WG877510
Trichloroethene	0.00844		0.00134	1	06/08/2016 22:56	WG877510
Trichlorofluoromethane	ND		0.00670	1	06/08/2016 22:56	WG877510
1,2,3-Trichloropropane	ND		0.00335	1	06/08/2016 22:56	WG877510
1,2,4-Trimethylbenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
1,2,3-Trimethylbenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
1,3,5-Trimethylbenzene	ND		0.00134	1	06/08/2016 22:56	WG877510
Vinyl chloride	ND		0.00134	1	06/08/2016 22:56	WG877510
Xylenes, Total	ND		0.00402	1	06/08/2016 22:56	WG877510
(S) Toluene-d8	*103*		*88.7-115*		*06/08/2016 22:56*	WG877510
(S) Dibromofluoromethane	*95.8*		*76.3-123*		*06/08/2016 22:56*	WG877510
(S) a,a,a-Trifluorotoluene	*97.9*		*87.2-117*		*06/08/2016 22:56*	WG877510
(S) 4-Bromofluorobenzene	*91.6*		*69.7-129*		*06/08/2016 22:56*	WG877510

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.36	1	06/10/2016 13:41	WG879169
Residual Range Organics (RRO)	ND		13.4	1	06/10/2016 13:41	WG879169
(S) o-Terphenyl	*58.1*		*50.0-150*		*06/10/2016 13:41*	WG879169

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00804	1	06/09/2016 04:56	WG877477
Acenaphthene	ND		0.00804	1	06/09/2016 04:56	WG877477
Acenaphthylene	ND		0.00804	1	06/09/2016 04:56	WG877477
Benzo(a)anthracene	ND		0.00804	1	06/09/2016 04:56	WG877477
Benzo(a)pyrene	ND		0.00804	1	06/09/2016 04:56	WG877477
Benzo(b)fluoranthene	ND		0.00804	1	06/09/2016 04:56	WG877477
Benzo(g,h,i)perylene	ND		0.00804	1	06/09/2016 04:56	WG877477
Benzo(k)fluoranthene	ND		0.00804	1	06/09/2016 04:56	WG877477
Chrysene	ND		0.00804	1	06/09/2016 04:56	WG877477
Dibenz(a,h)anthracene	ND		0.00804	1	06/09/2016 04:56	WG877477
Fluoranthene	ND		0.00804	1	06/09/2016 04:56	WG877477
Fluorene	ND		0.00804	1	06/09/2016 04:56	WG877477
Indeno(1,2,3-cd)pyrene	ND		0.00804	1	06/09/2016 04:56	WG877477
Naphthalene	ND		0.0268	1	06/09/2016 04:56	WG877477
Phenanthrene	ND		0.00804	1	06/09/2016 04:56	WG877477
Pyrene	ND		0.00804	1	06/09/2016 04:56	WG877477
1-Methylnaphthalene	ND		0.0268	1	06/09/2016 04:56	WG877477
2-Methylnaphthalene	ND		0.0268	1	06/09/2016 04:56	WG877477

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0268	1	06/09/2016 04:56	WG877477
(S) Nitrobenzene-d5	*103*		*22.1-146*		*06/09/2016 04:56*	WG877477
(S) 2-Fluorobiphenyl	*87.6*		*40.6-122*		*06/09/2016 04:56*	WG877477
(S) p-Terphenyl-d14	*47.6*		*32.2-131*		*06/09/2016 04:56*	WG877477

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.4		1	06/03/2016 11:23	WG877594

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.128	1	06/09/2016 03:58	WG878160
(S) a,a,a-Trifluorotoluene(FID)	*98.2*		*59.0-128*		*06/09/2016 03:58*	WG878160

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0638	1	06/08/2016 23:15	WG877510
Acrylonitrile	ND		0.0128	1	06/08/2016 23:15	WG877510
Benzene	ND		0.00128	1	06/08/2016 23:15	WG877510
Bromobenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
Bromodichloromethane	ND		0.00128	1	06/08/2016 23:15	WG877510
Bromoform	ND		0.00128	1	06/08/2016 23:15	WG877510
Bromomethane	ND		0.00638	1	06/08/2016 23:15	WG877510
n-Butylbenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
sec-Butylbenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
tert-Butylbenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
Carbon tetrachloride	ND		0.00128	1	06/08/2016 23:15	WG877510
Chlorobenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
Chlorodibromomethane	ND		0.00128	1	06/08/2016 23:15	WG877510
Chloroethane	ND		0.00638	1	06/08/2016 23:15	WG877510
2-Chloroethyl vinyl ether	ND		0.0638	1	06/08/2016 23:15	WG877510
Chloroform	ND		0.00638	1	06/08/2016 23:15	WG877510
Chloromethane	ND		0.00319	1	06/08/2016 23:15	WG877510
2-Chlorotoluene	ND		0.00128	1	06/08/2016 23:15	WG877510
4-Chlorotoluene	ND		0.00128	1	06/08/2016 23:15	WG877510
1,2-Dibromo-3-Chloropropane	ND		0.00638	1	06/08/2016 23:15	WG877510
1,2-Dibromoethane	ND		0.00128	1	06/08/2016 23:15	WG877510
Dibromomethane	ND		0.00128	1	06/08/2016 23:15	WG877510
1,2-Dichlorobenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
1,3-Dichlorobenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
1,4-Dichlorobenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
Dichlorodifluoromethane	ND		0.00638	1	06/08/2016 23:15	WG877510
1,1-Dichloroethane	0.00194		0.00128	1	06/08/2016 23:15	WG877510
1,2-Dichloroethane	ND		0.00128	1	06/08/2016 23:15	WG877510
1,1-Dichloroethene	ND		0.00128	1	06/08/2016 23:15	WG877510
cis-1,2-Dichloroethene	ND		0.00128	1	06/08/2016 23:15	WG877510
trans-1,2-Dichloroethene	ND		0.00128	1	06/08/2016 23:15	WG877510
1,2-Dichloropropane	ND		0.00128	1	06/08/2016 23:15	WG877510
1,1-Dichloropropene	ND		0.00128	1	06/08/2016 23:15	WG877510
1,3-Dichloropropane	ND		0.00128	1	06/08/2016 23:15	WG877510
cis-1,3-Dichloropropene	ND		0.00128	1	06/08/2016 23:15	WG877510
trans-1,3-Dichloropropene	ND		0.00128	1	06/08/2016 23:15	WG877510
2,2-Dichloropropane	ND		0.00128	1	06/08/2016 23:15	WG877510
Di-isopropyl ether	ND		0.00128	1	06/08/2016 23:15	WG877510
Ethylbenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
Hexachloro-1,3-butadiene	ND		0.00128	1	06/08/2016 23:15	WG877510
Isopropylbenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
p-Isopropyltoluene	ND		0.00128	1	06/08/2016 23:15	WG877510
2-Butanone (MEK)	ND		0.0128	1	06/08/2016 23:15	WG877510
Methylene Chloride	ND		0.00638	1	06/08/2016 23:15	WG877510

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0128	1	06/08/2016 23:15	WG877510
Methyl tert-butyl ether	ND		0.00128	1	06/08/2016 23:15	WG877510
Naphthalene	ND		0.00638	1	06/08/2016 23:15	WG877510
n-Propylbenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
Styrene	ND		0.00128	1	06/08/2016 23:15	WG877510
1,1,1,2-Tetrachloroethane	ND		0.00128	1	06/08/2016 23:15	WG877510
1,1,2,2-Tetrachloroethane	ND		0.00128	1	06/08/2016 23:15	WG877510
1,1,2-Trichlorotrifluoroethane	ND		0.00128	1	06/08/2016 23:15	WG877510
Tetrachloroethene	ND		0.00128	1	06/08/2016 23:15	WG877510
Toluene	ND		0.00638	1	06/08/2016 23:15	WG877510
1,2,3-Trichlorobenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
1,2,4-Trichlorobenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
1,1,1-Trichloroethane	ND		0.00128	1	06/08/2016 23:15	WG877510
1,1,2-Trichloroethane	ND		0.00128	1	06/08/2016 23:15	WG877510
Trichloroethene	0.00407		0.00128	1	06/08/2016 23:15	WG877510
Trichlorofluoromethane	ND		0.00638	1	06/08/2016 23:15	WG877510
1,2,3-Trichloropropane	ND		0.00319	1	06/08/2016 23:15	WG877510
1,2,4-Trimethylbenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
1,2,3-Trimethylbenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
1,3,5-Trimethylbenzene	ND		0.00128	1	06/08/2016 23:15	WG877510
Vinyl chloride	ND		0.00128	1	06/08/2016 23:15	WG877510
Xylenes, Total	ND		0.00383	1	06/08/2016 23:15	WG877510
(S) Toluene-d8	*106*		*88.7-115*		*06/08/2016 23:15*	WG877510
(S) Dibromofluoromethane	*97.2*		*76.3-123*		*06/08/2016 23:15*	WG877510
(S) a,a,a-Trifluorotoluene	*99.7*		*87.2-117*		*06/08/2016 23:15*	WG877510
(S) 4-Bromofluorobenzene	*92.5*		*69.7-129*		*06/08/2016 23:15*	WG877510

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	9.73	J3	5.10	1	06/10/2016 13:55	WG879169
Residual Range Organics (RRO)	101	J6	12.8	1	06/10/2016 13:55	WG879169
(S) o-Terphenyl	*60.0*		*50.0-150*		*06/10/2016 13:55*	WG879169

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00765	1	06/09/2016 05:17	WG877477
Acenaphthene	ND		0.00765	1	06/09/2016 05:17	WG877477
Acenaphthylene	ND		0.00765	1	06/09/2016 05:17	WG877477
Benzo(a)anthracene	ND		0.00765	1	06/09/2016 05:17	WG877477
Benzo(a)pyrene	ND		0.00765	1	06/09/2016 05:17	WG877477
Benzo(b)fluoranthene	ND		0.00765	1	06/09/2016 05:17	WG877477
Benzo(g,h,i)perylene	ND		0.00765	1	06/09/2016 05:17	WG877477
Benzo(k)fluoranthene	ND		0.00765	1	06/09/2016 05:17	WG877477
Chrysene	ND		0.00765	1	06/09/2016 05:17	WG877477
Dibenz(a,h)anthracene	ND		0.00765	1	06/09/2016 05:17	WG877477
Fluoranthene	0.00831		0.00765	1	06/09/2016 05:17	WG877477
Fluorene	ND		0.00765	1	06/09/2016 05:17	WG877477
Indeno(1,2,3-cd)pyrene	ND		0.00765	1	06/09/2016 05:17	WG877477
Naphthalene	ND		0.0255	1	06/09/2016 05:17	WG877477
Phenanthrene	ND		0.00765	1	06/09/2016 05:17	WG877477
Pyrene	0.00970		0.00765	1	06/09/2016 05:17	WG877477
1-Methylnaphthalene	ND		0.0255	1	06/09/2016 05:17	WG877477
2-Methylnaphthalene	ND		0.0255	1	06/09/2016 05:17	WG877477

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0255	1	06/09/2016 05:17	WG877477
(S) Nitrobenzene-d5	*115*		*22.1-146*		*06/09/2016 05:17*	WG877477
(S) 2-Fluorobiphenyl	*95.1*		*40.6-122*		*06/09/2016 05:17*	WG877477
(S) p-Terphenyl-d14	*73.1*		*32.2-131*		*06/09/2016 05:17*	WG877477

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	75.3		1	06/03/2016 11:13	WG877595

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.133	1	06/09/2016 04:20	WG878160
(S) a,a,a-Trifluorotoluene(FID)	*98.9*		*59.0-128*		*06/09/2016 04:20*	WG878160

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0671	1.01	06/08/2016 23:33	WG877510
Acrylonitrile	ND		0.0134	1.01	06/08/2016 23:33	WG877510
Benzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Bromobenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Bromodichloromethane	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Bromoform	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Bromomethane	ND		0.00671	1.01	06/08/2016 23:33	WG877510
n-Butylbenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
sec-Butylbenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
tert-Butylbenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Carbon tetrachloride	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Chlorobenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Chlorodibromomethane	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Chloroethane	ND		0.00671	1.01	06/08/2016 23:33	WG877510
2-Chloroethyl vinyl ether	ND		0.0671	1.01	06/08/2016 23:33	WG877510
Chloroform	ND		0.00671	1.01	06/08/2016 23:33	WG877510
Chloromethane	ND		0.00335	1.01	06/08/2016 23:33	WG877510
2-Chlorotoluene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
4-Chlorotoluene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,2-Dibromo-3-Chloropropane	ND		0.00671	1.01	06/08/2016 23:33	WG877510
1,2-Dibromoethane	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Dibromomethane	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,2-Dichlorobenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,3-Dichlorobenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,4-Dichlorobenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Dichlorodifluoromethane	ND		0.00671	1.01	06/08/2016 23:33	WG877510
1,1-Dichloroethane	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,2-Dichloroethane	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,1-Dichloroethene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
cis-1,2-Dichloroethene	0.00299		0.00134	1.01	06/08/2016 23:33	WG877510
trans-1,2-Dichloroethene	0.00188		0.00134	1.01	06/08/2016 23:33	WG877510
1,2-Dichloropropane	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,1-Dichloropropene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,3-Dichloropropane	ND		0.00134	1.01	06/08/2016 23:33	WG877510
cis-1,3-Dichloropropene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
trans-1,3-Dichloropropene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
2,2-Dichloropropane	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Di-isopropyl ether	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Ethylbenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Hexachloro-1,3-butadiene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Isopropylbenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
p-Isopropyltoluene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
2-Butanone (MEK)	ND		0.0134	1.01	06/08/2016 23:33	WG877510
Methylene Chloride	ND		0.00671	1.01	06/08/2016 23:33	WG877510

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0134	1.01	06/08/2016 23:33	WG877510
Methyl tert-butyl ether	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Naphthalene	ND		0.00671	1.01	06/08/2016 23:33	WG877510
n-Propylbenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Styrene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,1,1,2-Tetrachloroethane	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,1,2,2-Tetrachloroethane	0.00772		0.00134	1.01	06/08/2016 23:33	WG877510
1,1,2-Trichlorotrifluoroethane	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Tetrachloroethene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Toluene	ND		0.00671	1.01	06/08/2016 23:33	WG877510
1,2,3-Trichlorobenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,2,4-Trichlorobenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,1,1-Trichloroethane	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,1,2-Trichloroethane	0.00174		0.00134	1.01	06/08/2016 23:33	WG877510
Trichloroethene	0.0183		0.00134	1.01	06/08/2016 23:33	WG877510
Trichlorofluoromethane	ND		0.00671	1.01	06/08/2016 23:33	WG877510
1,2,3-Trichloropropane	ND		0.00335	1.01	06/08/2016 23:33	WG877510
1,2,4-Trimethylbenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,2,3-Trimethylbenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
1,3,5-Trimethylbenzene	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Vinyl chloride	ND		0.00134	1.01	06/08/2016 23:33	WG877510
Xylenes, Total	ND		0.00402	1.01	06/08/2016 23:33	WG877510
(S) Toluene-d8	*101*		*88.7-115*		*06/08/2016 23:33*	WG877510
(S) Dibromofluoromethane	*93.1*		*76.3-123*		*06/08/2016 23:33*	WG877510
(S) a,a,a-Trifluorotoluene	*99.1*		*87.2-117*		*06/08/2016 23:33*	WG877510
(S) 4-Bromofluorobenzene	*94.5*		*69.7-129*		*06/08/2016 23:33*	WG877510

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.31	1	06/09/2016 20:22	WG878133
Residual Range Organics (RRO)	ND		13.3	1	06/09/2016 20:22	WG878133
(S) o-Terphenyl	*55.5*		*50.0-150*		*06/09/2016 20:22*	WG878133

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00797	1	06/09/2016 05:38	WG877477
Acenaphthene	ND		0.00797	1	06/09/2016 05:38	WG877477
Acenaphthylene	ND		0.00797	1	06/09/2016 05:38	WG877477
Benzo(a)anthracene	ND		0.00797	1	06/09/2016 05:38	WG877477
Benzo(a)pyrene	ND		0.00797	1	06/09/2016 05:38	WG877477
Benzo(b)fluoranthene	ND		0.00797	1	06/09/2016 05:38	WG877477
Benzo(g,h,i)perylene	ND		0.00797	1	06/09/2016 05:38	WG877477
Benzo(k)fluoranthene	ND		0.00797	1	06/09/2016 05:38	WG877477
Chrysene	ND		0.00797	1	06/09/2016 05:38	WG877477
Dibenz(a,h)anthracene	ND		0.00797	1	06/09/2016 05:38	WG877477
Fluoranthene	ND		0.00797	1	06/09/2016 05:38	WG877477
Fluorene	ND		0.00797	1	06/09/2016 05:38	WG877477
Indeno(1,2,3-cd)pyrene	ND		0.00797	1	06/09/2016 05:38	WG877477
Naphthalene	ND		0.0266	1	06/09/2016 05:38	WG877477
Phenanthrene	ND		0.00797	1	06/09/2016 05:38	WG877477
Pyrene	ND		0.00797	1	06/09/2016 05:38	WG877477
1-Methylnaphthalene	ND		0.0266	1	06/09/2016 05:38	WG877477
2-Methylnaphthalene	ND		0.0266	1	06/09/2016 05:38	WG877477

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0266	1	06/09/2016 05:38	WG877477
(S) Nitrobenzene-d5	*107*		*22.1-146*		*06/09/2016 05:38*	WG877477
(S) 2-Fluorobiphenyl	*87.7*		*40.6-122*		*06/09/2016 05:38*	WG877477
(S) p-Terphenyl-d14	*52.5*		*32.2-131*		*06/09/2016 05:38*	WG877477

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.8		1	06/03/2016 11:13	WG877595

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.137	1	06/09/2016 04:43	WG878160
(S) a,a,a-Trifluorotoluene(FID)	*99.1*		*59.0-128*		*06/09/2016 04:43*	WG878160

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		1.39	20.25	06/09/2016 19:01	WG877785
Acrylonitrile	ND		0.278	20.25	06/09/2016 19:01	WG877785
Benzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Bromobenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Bromodichloromethane	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Bromoform	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Bromomethane	ND		0.139	20.25	06/09/2016 19:01	WG877785
n-Butylbenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
sec-Butylbenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
tert-Butylbenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Carbon tetrachloride	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Chlorobenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Chlorodibromomethane	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Chloroethane	ND		0.139	20.25	06/09/2016 19:01	WG877785
2-Chloroethyl vinyl ether	ND		1.39	20.25	06/09/2016 19:01	WG877785
Chloroform	ND		0.139	20.25	06/09/2016 19:01	WG877785
Chloromethane	ND		0.0696	20.25	06/09/2016 19:01	WG877785
2-Chlorotoluene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
4-Chlorotoluene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,2-Dibromo-3-Chloropropane	ND		0.139	20.25	06/09/2016 19:01	WG877785
1,2-Dibromoethane	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Dibromomethane	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,2-Dichlorobenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,3-Dichlorobenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,4-Dichlorobenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Dichlorodifluoromethane	ND		0.139	20.25	06/09/2016 19:01	WG877785
1,1-Dichloroethane	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,2-Dichloroethane	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,1-Dichloroethene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
cis-1,2-Dichloroethene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
trans-1,2-Dichloroethene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,2-Dichloropropane	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,1-Dichloropropene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,3-Dichloropropane	ND		0.0278	20.25	06/09/2016 19:01	WG877785
cis-1,3-Dichloropropene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
trans-1,3-Dichloropropene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
2,2-Dichloropropane	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Di-isopropyl ether	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Ethylbenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Hexachloro-1,3-butadiene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Isopropylbenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
p-Isopropyltoluene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
2-Butanone (MEK)	ND		0.278	20.25	06/09/2016 19:01	WG877785
Methylene Chloride	ND		0.139	20.25	06/09/2016 19:01	WG877785

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.278	20.25	06/09/2016 19:01	WG877785
Methyl tert-butyl ether	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Naphthalene	ND		0.139	20.25	06/09/2016 19:01	WG877785
n-Propylbenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Styrene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,1,1,2-Tetrachloroethane	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,1,2,2-Tetrachloroethane	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,1,2-Trichlorotrifluoroethane	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Tetrachloroethene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Toluene	ND		0.139	20.25	06/09/2016 19:01	WG877785
1,2,3-Trichlorobenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,2,4-Trichlorobenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,1,1-Trichloroethane	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,1,2-Trichloroethane	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Trichloroethene	0.0892		0.0278	20.25	06/09/2016 19:01	WG877785
Trichlorofluoromethane	ND		0.139	20.25	06/09/2016 19:01	WG877785
1,2,3-Trichloropropane	ND		0.0696	20.25	06/09/2016 19:01	WG877785
1,2,4-Trimethylbenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,2,3-Trimethylbenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
1,3,5-Trimethylbenzene	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Vinyl chloride	ND		0.0278	20.25	06/09/2016 19:01	WG877785
Xylenes, Total	ND		0.0835	20.25	06/09/2016 19:01	WG877785
(S) Toluene-d8	*101*		*88.7-115*		*06/09/2016 19:01*	WG877785
(S) Dibromofluoromethane	*102*		*76.3-123*		*06/09/2016 19:01*	WG877785
(S) a,a,a-Trifluorotoluene	*96.4*		*87.2-117*		*06/09/2016 19:01*	WG877785
(S) 4-Bromofluorobenzene	*97.8*		*69.7-129*		*06/09/2016 19:01*	WG877785

Sample Narrative:

8260B L839102-08 WG877785: No bisulfates remain for analysis.

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.50	1	06/09/2016 20:34	WG878133
Residual Range Organics (RRO)	ND		13.7	1	06/09/2016 20:34	WG878133
(S) o-Terphenyl	*56.5*		*50.0-150*		*06/09/2016 20:34*	WG878133

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00825	1	06/09/2016 05:59	WG877477
Acenaphthene	ND		0.00825	1	06/09/2016 05:59	WG877477
Acenaphthylene	ND		0.00825	1	06/09/2016 05:59	WG877477
Benzo(a)anthracene	ND		0.00825	1	06/09/2016 05:59	WG877477
Benzo(a)pyrene	ND		0.00825	1	06/09/2016 05:59	WG877477
Benzo(b)fluoranthene	ND		0.00825	1	06/09/2016 05:59	WG877477
Benzo(g,h,i)perylene	ND		0.00825	1	06/09/2016 05:59	WG877477
Benzo(k)fluoranthene	ND		0.00825	1	06/09/2016 05:59	WG877477
Chrysene	ND		0.00825	1	06/09/2016 05:59	WG877477
Dibenz(a,h)anthracene	ND		0.00825	1	06/09/2016 05:59	WG877477
Fluoranthene	ND		0.00825	1	06/09/2016 05:59	WG877477
Fluorene	ND		0.00825	1	06/09/2016 05:59	WG877477
Indeno(1,2,3-cd)pyrene	ND		0.00825	1	06/09/2016 05:59	WG877477
Naphthalene	ND		0.0275	1	06/09/2016 05:59	WG877477
Phenanthrene	ND		0.00825	1	06/09/2016 05:59	WG877477

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Pyrene	ND		0.00825	1	06/09/2016 05:59	WG877477
1-Methylnaphthalene	ND		0.0275	1	06/09/2016 05:59	WG877477
2-Methylnaphthalene	ND		0.0275	1	06/09/2016 05:59	WG877477
2-Chloronaphthalene	ND		0.0275	1	06/09/2016 05:59	WG877477
(S) Nitrobenzene-d5	*121*		*22.1-146*		*06/09/2016 05:59*	WG877477
(S) 2-Fluorobiphenyl	*99.9*		*40.6-122*		*06/09/2016 05:59*	WG877477
(S) p-Terphenyl-d14	*66.9*		*32.2-131*		*06/09/2016 05:59*	WG877477

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.3		1	06/03/2016 11:13	WG877595

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	ND		0.135	1	06/09/2016 05:05	WG878160
(S) a,a,a-Trifluorotoluene(FID)	*98.9*		*59.0-128*		*06/09/2016 05:05*	WG878160

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		0.0673	1	06/09/2016 00:09	WG877510
Acrylonitrile	ND		0.0135	1	06/09/2016 00:09	WG877510
Benzene	ND		0.00135	1	06/09/2016 00:09	WG877510
Bromobenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
Bromodichloromethane	ND		0.00135	1	06/09/2016 00:09	WG877510
Bromoform	ND		0.00135	1	06/09/2016 00:09	WG877510
Bromomethane	ND		0.00673	1	06/09/2016 00:09	WG877510
n-Butylbenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
sec-Butylbenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
tert-Butylbenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
Carbon tetrachloride	ND		0.00135	1	06/09/2016 00:09	WG877510
Chlorobenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
Chlorodibromomethane	ND		0.00135	1	06/09/2016 00:09	WG877510
Chloroethane	ND		0.00673	1	06/09/2016 00:09	WG877510
2-Chloroethyl vinyl ether	ND		0.0673	1	06/09/2016 00:09	WG877510
Chloroform	ND		0.00673	1	06/09/2016 00:09	WG877510
Chloromethane	ND		0.00336	1	06/09/2016 00:09	WG877510
2-Chlorotoluene	ND		0.00135	1	06/09/2016 00:09	WG877510
4-Chlorotoluene	ND		0.00135	1	06/09/2016 00:09	WG877510
1,2-Dibromo-3-Chloropropane	ND		0.00673	1	06/09/2016 00:09	WG877510
1,2-Dibromoethane	ND		0.00135	1	06/09/2016 00:09	WG877510
Dibromomethane	ND		0.00135	1	06/09/2016 00:09	WG877510
1,2-Dichlorobenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
1,3-Dichlorobenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
1,4-Dichlorobenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
Dichlorodifluoromethane	ND		0.00673	1	06/09/2016 00:09	WG877510
1,1-Dichloroethane	ND		0.00135	1	06/09/2016 00:09	WG877510
1,2-Dichloroethane	ND		0.00135	1	06/09/2016 00:09	WG877510
1,1-Dichloroethene	ND		0.00135	1	06/09/2016 00:09	WG877510
cis-1,2-Dichloroethene	ND		0.00135	1	06/09/2016 00:09	WG877510
trans-1,2-Dichloroethene	ND		0.00135	1	06/09/2016 00:09	WG877510
1,2-Dichloropropane	ND		0.00135	1	06/09/2016 00:09	WG877510
1,1-Dichloropropene	ND		0.00135	1	06/09/2016 00:09	WG877510
1,3-Dichloropropane	ND		0.00135	1	06/09/2016 00:09	WG877510
cis-1,3-Dichloropropene	ND		0.00135	1	06/09/2016 00:09	WG877510
trans-1,3-Dichloropropene	ND		0.00135	1	06/09/2016 00:09	WG877510
2,2-Dichloropropane	ND		0.00135	1	06/09/2016 00:09	WG877510
Di-isopropyl ether	ND		0.00135	1	06/09/2016 00:09	WG877510
Ethylbenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
Hexachloro-1,3-butadiene	ND		0.00135	1	06/09/2016 00:09	WG877510
Isopropylbenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
p-Isopropyltoluene	ND		0.00135	1	06/09/2016 00:09	WG877510
2-Butanone (MEK)	ND		0.0135	1	06/09/2016 00:09	WG877510
Methylene Chloride	ND		0.00673	1	06/09/2016 00:09	WG877510

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.0135	1	06/09/2016 00:09	WG877510
Methyl tert-butyl ether	ND		0.00135	1	06/09/2016 00:09	WG877510
Naphthalene	ND		0.00673	1	06/09/2016 00:09	WG877510
n-Propylbenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
Styrene	ND		0.00135	1	06/09/2016 00:09	WG877510
1,1,1,2-Tetrachloroethane	ND		0.00135	1	06/09/2016 00:09	WG877510
1,1,2,2-Tetrachloroethane	ND		0.00135	1	06/09/2016 00:09	WG877510
1,1,2-Trichlorotrifluoroethane	ND		0.00135	1	06/09/2016 00:09	WG877510
Tetrachloroethene	ND		0.00135	1	06/09/2016 00:09	WG877510
Toluene	ND		0.00673	1	06/09/2016 00:09	WG877510
1,2,3-Trichlorobenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
1,2,4-Trichlorobenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
1,1,1-Trichloroethane	ND		0.00135	1	06/09/2016 00:09	WG877510
1,1,2-Trichloroethane	ND		0.00135	1	06/09/2016 00:09	WG877510
Trichloroethene	0.00280		0.00135	1	06/09/2016 00:09	WG877510
Trichlorofluoromethane	ND		0.00673	1	06/09/2016 00:09	WG877510
1,2,3-Trichloropropane	ND		0.00336	1	06/09/2016 00:09	WG877510
1,2,4-Trimethylbenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
1,2,3-Trimethylbenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
1,3,5-Trimethylbenzene	ND		0.00135	1	06/09/2016 00:09	WG877510
Vinyl chloride	ND		0.00135	1	06/09/2016 00:09	WG877510
Xylenes, Total	ND		0.00404	1	06/09/2016 00:09	WG877510
(S) Toluene-d8	*101*		*88.7-115*		*06/09/2016 00:09*	WG877510
(S) Dibromofluoromethane	*92.2*		*76.3-123*		*06/09/2016 00:09*	WG877510
(S) a,a,a-Trifluorotoluene	*96.6*		*87.2-117*		*06/09/2016 00:09*	WG877510
(S) 4-Bromofluorobenzene	*98.2*		*69.7-129*		*06/09/2016 00:09*	WG877510

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		5.38	1	06/09/2016 18:33	WG878133
Residual Range Organics (RRO)	ND		13.5	1	06/09/2016 18:33	WG878133
(S) o-Terphenyl	*64.0*		*50.0-150*		*06/09/2016 18:33*	WG878133

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00807	1	06/09/2016 10:55	WG877477
Acenaphthene	ND		0.00807	1	06/09/2016 10:55	WG877477
Acenaphthylene	ND		0.00807	1	06/09/2016 10:55	WG877477
Benzo(a)anthracene	ND		0.00807	1	06/09/2016 10:55	WG877477
Benzo(a)pyrene	ND		0.00807	1	06/09/2016 10:55	WG877477
Benzo(b)fluoranthene	ND		0.00807	1	06/09/2016 10:55	WG877477
Benzo(g,h,i)perylene	ND		0.00807	1	06/09/2016 10:55	WG877477
Benzo(k)fluoranthene	ND		0.00807	1	06/09/2016 10:55	WG877477
Chrysene	ND		0.00807	1	06/09/2016 10:55	WG877477
Dibenz(a,h)anthracene	ND		0.00807	1	06/09/2016 10:55	WG877477
Fluoranthene	ND		0.00807	1	06/09/2016 10:55	WG877477
Fluorene	ND		0.00807	1	06/09/2016 10:55	WG877477
Indeno(1,2,3-cd)pyrene	ND		0.00807	1	06/09/2016 10:55	WG877477
Naphthalene	ND		0.0269	1	06/09/2016 10:55	WG877477
Phenanthrene	ND		0.00807	1	06/09/2016 10:55	WG877477
Pyrene	ND		0.00807	1	06/09/2016 10:55	WG877477
1-Methylnaphthalene	ND		0.0269	1	06/09/2016 10:55	WG877477
2-Methylnaphthalene	ND		0.0269	1	06/09/2016 10:55	WG877477

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloronaphthalene	ND		0.0269	1	06/09/2016 10:55	WG877477
(S) Nitrobenzene-d5	*119*		*22.1-146*		*06/09/2016 10:55*	WG877477
(S) 2-Fluorobiphenyl	*99.2*		*40.6-122*		*06/09/2016 10:55*	WG877477
(S) p-Terphenyl-d14	*76.7*		*32.2-131*		*06/09/2016 10:55*	WG877477

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	06/09/2016 03:42	WG878037
(S) a,a,a-Trifluorotoluene(FID)	*101*		*62.0-128*		*06/09/2016 03:42*	WG878037

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	06/07/2016 04:04	WG878178
Acrolein	ND		50.0	1	06/07/2016 04:04	WG878178
Acrylonitrile	ND		10.0	1	06/07/2016 04:04	WG878178
Benzene	ND		1.00	1	06/07/2016 04:04	WG878178
Bromobenzene	ND		1.00	1	06/07/2016 04:04	WG878178
Bromodichloromethane	ND		1.00	1	06/07/2016 04:04	WG878178
Bromoform	ND		1.00	1	06/07/2016 04:04	WG878178
Bromomethane	ND		5.00	1	06/07/2016 04:04	WG878178
n-Butylbenzene	ND		1.00	1	06/07/2016 04:04	WG878178
sec-Butylbenzene	ND		1.00	1	06/07/2016 04:04	WG878178
tert-Butylbenzene	ND		1.00	1	06/07/2016 04:04	WG878178
Carbon tetrachloride	ND		1.00	1	06/07/2016 04:04	WG878178
Chlorobenzene	ND		1.00	1	06/07/2016 04:04	WG878178
Chlorodibromomethane	ND		1.00	1	06/07/2016 04:04	WG878178
Chloroethane	ND		5.00	1	06/07/2016 04:04	WG878178
2-Chloroethyl vinyl ether	ND	J3 J6	50.0	1	06/07/2016 04:04	WG878178
Chloroform	ND		5.00	1	06/07/2016 04:04	WG878178
Chloromethane	ND		2.50	1	06/07/2016 04:04	WG878178
2-Chlorotoluene	ND	J4	1.00	1	06/07/2016 04:04	WG878178
4-Chlorotoluene	ND		1.00	1	06/07/2016 04:04	WG878178
1,2-Dibromo-3-Chloropropane	ND		5.00	1	06/07/2016 04:04	WG878178
1,2-Dibromoethane	ND		1.00	1	06/07/2016 04:04	WG878178
Dibromomethane	ND		1.00	1	06/07/2016 04:04	WG878178
1,2-Dichlorobenzene	ND		1.00	1	06/07/2016 04:04	WG878178
1,3-Dichlorobenzene	ND		1.00	1	06/07/2016 04:04	WG878178
1,4-Dichlorobenzene	ND		1.00	1	06/07/2016 04:04	WG878178
Dichlorodifluoromethane	ND		5.00	1	06/07/2016 04:04	WG878178
1,1-Dichloroethane	ND		1.00	1	06/07/2016 04:04	WG878178
1,2-Dichloroethane	ND		1.00	1	06/07/2016 04:04	WG878178
1,1-Dichloroethene	ND		1.00	1	06/07/2016 04:04	WG878178
cis-1,2-Dichloroethene	ND		1.00	1	06/07/2016 04:04	WG878178
trans-1,2-Dichloroethene	ND		1.00	1	06/07/2016 04:04	WG878178
1,2-Dichloropropane	ND		1.00	1	06/07/2016 04:04	WG878178
1,1-Dichloropropene	ND		1.00	1	06/07/2016 04:04	WG878178
1,3-Dichloropropane	ND		1.00	1	06/07/2016 04:04	WG878178
cis-1,3-Dichloropropene	ND		1.00	1	06/07/2016 04:04	WG878178
trans-1,3-Dichloropropene	ND		1.00	1	06/07/2016 04:04	WG878178
2,2-Dichloropropane	ND		1.00	1	06/07/2016 04:04	WG878178
Di-isopropyl ether	ND		1.00	1	06/07/2016 04:04	WG878178
Ethylbenzene	ND		1.00	1	06/07/2016 04:04	WG878178
Hexachloro-1,3-butadiene	ND		1.00	1	06/07/2016 04:04	WG878178
Isopropylbenzene	ND		1.00	1	06/07/2016 04:04	WG878178
p-Isopropyltoluene	ND		1.00	1	06/07/2016 04:04	WG878178
2-Butanone (MEK)	ND		10.0	1	06/07/2016 04:04	WG878178
Methylene Chloride	ND		5.00	1	06/07/2016 04:04	WG878178
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/07/2016 04:04	WG878178
Methyl tert-butyl ether	ND		1.00	1	06/07/2016 04:04	WG878178
Naphthalene	ND		5.00	1	06/07/2016 04:04	WG878178
n-Propylbenzene	ND		1.00	1	06/07/2016 04:04	WG878178

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Styrene	ND		1.00	1	06/07/2016 04:04	WG878178
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/07/2016 04:04	WG878178
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/07/2016 04:04	WG878178
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/07/2016 04:04	WG878178
Tetrachloroethene	ND		1.00	1	06/07/2016 04:04	WG878178
Toluene	ND		5.00	1	06/07/2016 04:04	WG878178
1,2,3-Trichlorobenzene	ND		1.00	1	06/07/2016 04:04	WG878178
1,2,4-Trichlorobenzene	ND		1.00	1	06/07/2016 04:04	WG878178
1,1,1-Trichloroethane	ND		1.00	1	06/07/2016 04:04	WG878178
1,1,2-Trichloroethane	ND		1.00	1	06/07/2016 04:04	WG878178
Trichloroethene	ND		1.00	1	06/07/2016 04:04	WG878178
Trichlorofluoromethane	ND		5.00	1	06/07/2016 04:04	WG878178
1,2,3-Trichloropropane	ND		2.50	1	06/07/2016 04:04	WG878178
1,2,4-Trimethylbenzene	ND		1.00	1	06/07/2016 04:04	WG878178
1,2,3-Trimethylbenzene	ND		1.00	1	06/07/2016 04:04	WG878178
1,3,5-Trimethylbenzene	ND		1.00	1	06/07/2016 04:04	WG878178
Vinyl chloride	ND		1.00	1	06/07/2016 04:04	WG878178
Xylenes, Total	ND		3.00	1	06/07/2016 04:04	WG878178
(S) Toluene-d8	*106*		*90.0-115*		*06/07/2016 04:04*	WG878178
(S) Dibromofluoromethane	*97.5*		*79.0-121*		*06/07/2016 04:04*	WG878178
(S) 4-Bromofluorobenzene	*99.9*		*80.1-120*		*06/07/2016 04:04*	WG878178

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		100	1	06/06/2016 15:52	WG877923
Residual Range Organics (RRO)	ND		250	1	06/06/2016 15:52	WG877923
(S) o-Terphenyl	*69.6*		*50.0-150*		*06/06/2016 15:52*	WG877923

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0500	1	06/06/2016 11:34	WG877919
Acenaphthene	ND		0.0500	1	06/06/2016 11:34	WG877919
Acenaphthylene	ND		0.0500	1	06/06/2016 11:34	WG877919
Benzo(a)anthracene	ND		0.0500	1	06/06/2016 11:34	WG877919
Benzo(a)pyrene	ND		0.0500	1	06/06/2016 11:34	WG877919
Benzo(b)fluoranthene	ND		0.0500	1	06/06/2016 11:34	WG877919
Benzo(g,h,i)perylene	ND		0.0500	1	06/06/2016 11:34	WG877919
Benzo(k)fluoranthene	ND		0.0500	1	06/06/2016 11:34	WG877919
Chrysene	ND		0.0500	1	06/06/2016 11:34	WG877919
Dibenz(a,h)anthracene	ND		0.0500	1	06/06/2016 11:34	WG877919
Fluoranthene	ND		0.0500	1	06/06/2016 11:34	WG877919
Fluorene	ND		0.0500	1	06/06/2016 11:34	WG877919
Indeno(1,2,3-cd)pyrene	ND		0.0500	1	06/06/2016 11:34	WG877919
Naphthalene	ND		0.250	1	06/06/2016 11:34	WG877919
Phenanthrene	ND		0.0500	1	06/06/2016 11:34	WG877919
Pyrene	ND		0.0500	1	06/06/2016 11:34	WG877919
1-Methylnaphthalene	ND		0.250	1	06/06/2016 11:34	WG877919
2-Methylnaphthalene	ND		0.250	1	06/06/2016 11:34	WG877919
2-Chloronaphthalene	ND		0.250	1	06/06/2016 11:34	WG877919
(S) Nitrobenzene-d5	*91.4*		*45.1-170*		*06/06/2016 11:34*	WG877919
(S) 2-Fluorobiphenyl	*94.9*		*57.7-153*		*06/06/2016 11:34*	WG877919
(S) p-Terphenyl-d14	*78.6*		*53.2-156*		*06/06/2016 11:34*	WG877919

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.8		1	06/03/2016 11:13	WG877595

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	ND		0.0247	1	06/04/2016 10:29	WG877545

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	3.12		2.47	1	06/03/2016 14:22	WG877491
Barium	99.0		0.619	1	06/03/2016 14:22	WG877491
Cadmium	ND		0.619	1	06/03/2016 14:22	WG877491
Chromium	8.81		1.24	1	06/03/2016 14:22	WG877491
Lead	7.13		0.619	1	06/03/2016 14:22	WG877491
Selenium	ND		2.47	1	06/03/2016 14:22	WG877491
Silver	ND		1.24	1	06/03/2016 14:22	WG877491

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	2370		278	2250	06/09/2016 18:09	WG878163
(S) a,a,a-Trifluorotoluene(FID)	*109*		*59.0-128*		*06/09/2016 18:09*	WG878163

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		1.39	22.5	06/09/2016 00:28	WG877510
Acrylonitrile	ND		0.278	22.5	06/09/2016 00:28	WG877510
Benzene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Bromobenzene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Bromodichloromethane	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Bromoform	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Bromomethane	ND		0.139	22.5	06/09/2016 00:28	WG877510
n-Butylbenzene	2.17		0.0278	22.5	06/09/2016 00:28	WG877510
sec-Butylbenzene	0.480		0.0278	22.5	06/09/2016 00:28	WG877510
tert-Butylbenzene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Carbon tetrachloride	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Chlorobenzene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Chlorodibromomethane	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Chloroethane	ND		0.139	22.5	06/09/2016 00:28	WG877510
2-Chloroethyl vinyl ether	ND		1.39	22.5	06/09/2016 00:28	WG877510
Chloroform	ND		0.139	22.5	06/09/2016 00:28	WG877510
Chloromethane	ND		0.0696	22.5	06/09/2016 00:28	WG877510
2-Chlorotoluene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
4-Chlorotoluene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
1,2-Dibromo-3-Chloropropane	ND		0.139	22.5	06/09/2016 00:28	WG877510
1,2-Dibromoethane	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Dibromomethane	ND		0.0278	22.5	06/09/2016 00:28	WG877510
1,2-Dichlorobenzene	2.37		0.0278	22.5	06/09/2016 00:28	WG877510
1,3-Dichlorobenzene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
1,4-Dichlorobenzene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Dichlorodifluoromethane	ND		0.139	22.5	06/09/2016 00:28	WG877510
1,1-Dichloroethane	ND		0.0278	22.5	06/09/2016 00:28	WG877510

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	ND		0.0278	22.5	06/09/2016 00:28	WG877510
1,1-Dichloroethene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
cis-1,2-Dichloroethene	0.264		0.0278	22.5	06/09/2016 00:28	WG877510
trans-1,2-Dichloroethene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
1,2-Dichloropropane	ND		0.0278	22.5	06/09/2016 00:28	WG877510
1,1-Dichloropropene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
1,3-Dichloropropane	ND		0.0278	22.5	06/09/2016 00:28	WG877510
cis-1,3-Dichloropropene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
trans-1,3-Dichloropropene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
2,2-Dichloropropane	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Di-isopropyl ether	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Ethylbenzene	1.35		0.0278	22.5	06/09/2016 00:28	WG877510
Hexachloro-1,3-butadiene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Isopropylbenzene	0.412		0.0278	22.5	06/09/2016 00:28	WG877510
p-Isopropyltoluene	1.54		0.0278	22.5	06/09/2016 00:28	WG877510
2-Butanone (MEK)	ND		0.278	22.5	06/09/2016 00:28	WG877510
Methylene Chloride	ND		0.139	22.5	06/09/2016 00:28	WG877510
4-Methyl-2-pentanone (MIBK)	ND		0.278	22.5	06/09/2016 00:28	WG877510
Methyl tert-butyl ether	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Naphthalene	54.2		2.78	450	06/10/2016 11:17	WG878670
n-Propylbenzene	1.38		0.0278	22.5	06/09/2016 00:28	WG877510
Styrene	0.0614		0.0278	22.5	06/09/2016 00:28	WG877510
1,1,1,2-Tetrachloroethane	ND		0.0278	22.5	06/09/2016 00:28	WG877510
1,1,2,2-Tetrachloroethane	ND		0.0278	22.5	06/09/2016 00:28	WG877510
1,1,2-Trichlorotrifluoroethane	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Tetrachloroethene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Toluene	0.448		0.139	22.5	06/09/2016 00:28	WG877510
1,2,3-Trichlorobenzene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
1,2,4-Trichlorobenzene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
1,1,1-Trichloroethane	ND		0.0278	22.5	06/09/2016 00:28	WG877510
1,1,2-Trichloroethane	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Trichloroethene	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Trichlorofluoromethane	ND		0.139	22.5	06/09/2016 00:28	WG877510
1,2,3-Trichloropropane	ND		0.0696	22.5	06/09/2016 00:28	WG877510
1,2,4-Trimethylbenzene	18.7		0.223	180	06/09/2016 19:20	WG877785
1,2,3-Trimethylbenzene	11.4		0.223	180	06/09/2016 19:20	WG877785
1,3,5-Trimethylbenzene	4.19		0.0278	22.5	06/09/2016 00:28	WG877510
Vinyl chloride	ND		0.0278	22.5	06/09/2016 00:28	WG877510
Xylenes, Total	3.94		0.0835	22.5	06/09/2016 00:28	WG877510
(S) Toluene-d8	*102*		*88.7-115*		*06/09/2016 00:28*	WG877510
(S) Toluene-d8	*106*		*88.7-115*		*06/09/2016 19:20*	WG877785
(S) Toluene-d8	*107*		*88.7-115*		*06/10/2016 11:17*	WG878670
(S) Dibromofluoromethane	*106*		*76.3-123*		*06/10/2016 11:17*	WG878670
(S) Dibromofluoromethane	*101*		*76.3-123*		*06/09/2016 19:20*	WG877785
(S) Dibromofluoromethane	*87.4*		*76.3-123*		*06/09/2016 00:28*	WG877510
(S) α,α,α-Trifluorotoluene	*101*		*87.2-117*		*06/09/2016 00:28*	WG877510
(S) α,α,α-Trifluorotoluene	*101*		*87.2-117*		*06/09/2016 19:20*	WG877785
(S) α,α,α-Trifluorotoluene	*102*		*87.2-117*		*06/10/2016 11:17*	WG878670
(S) 4-Bromofluorobenzene	*103*		*69.7-129*		*06/10/2016 11:17*	WG878670
(S) 4-Bromofluorobenzene	*101*		*69.7-129*		*06/09/2016 19:20*	WG877785
(S) 4-Bromofluorobenzene	*103*		*69.7-129*		*06/09/2016 00:28*	WG877510

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	12500		495	100	06/09/2016 21:11	WG878133
Residual Range Organics (RRO)	8170		1240	100	06/09/2016 21:11	WG878133
(S) o-Terphenyl	*418*	J1	*50.0-150*		*06/09/2016 21:11*	WG878133

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	ND		0.0210	1	06/07/2016 14:12	WG877698
PCB 1221	ND		0.0210	1	06/07/2016 14:12	WG877698
PCB 1232	ND		0.0210	1	06/07/2016 14:12	WG877698
PCB 1242	ND		0.0210	1	06/07/2016 14:12	WG877698
PCB 1248	ND		0.0210	1	06/07/2016 14:12	WG877698
PCB 1254	ND		0.0210	1	06/07/2016 14:12	WG877698
PCB 1260	ND		0.0210	1	06/07/2016 14:12	WG877698
(S) Decachlorobiphenyl	*68.3*		*10.0-143*		*06/07/2016 14:12*	WG877698
(S) Tetrachloro-m-xylene	*69.5*		*29.2-144*		*06/07/2016 14:12*	WG877698

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	4.97		0.742	100	06/09/2016 11:58	WG877477
Acenaphthene	10.1		0.742	100	06/09/2016 11:58	WG877477
Acenaphthylene	1.42		0.742	100	06/09/2016 11:58	WG877477
Benzo(a)anthracene	2.89		0.742	100	06/09/2016 11:58	WG877477
Benzo(a)pyrene	1.06		0.742	100	06/09/2016 11:58	WG877477
Benzo(b)fluoranthene	ND		0.742	100	06/09/2016 11:58	WG877477
Benzo(g,h,i)perylene	ND		0.742	100	06/09/2016 11:58	WG877477
Benzo(k)fluoranthene	ND		0.742	100	06/09/2016 11:58	WG877477
Chrysene	5.40		0.742	100	06/09/2016 11:58	WG877477
Dibenz(a,h)anthracene	ND		0.742	100	06/09/2016 11:58	WG877477
Fluoranthene	2.33		0.742	100	06/09/2016 11:58	WG877477
Fluorene	7.57		0.742	100	06/09/2016 11:58	WG877477
Indeno(1,2,3-cd)pyrene	ND		0.742	100	06/09/2016 11:58	WG877477
Naphthalene	37.8		2.47	100	06/09/2016 11:58	WG877477
Phenanthrene	18.1		0.742	100	06/09/2016 11:58	WG877477
Pyrene	8.10		0.742	100	06/09/2016 11:58	WG877477
1-Methylnaphthalene	115		2.47	100	06/09/2016 11:58	WG877477
2-Methylnaphthalene	122		2.47	100	06/09/2016 11:58	WG877477
2-Chloronaphthalene	ND		2.47	100	06/09/2016 11:58	WG877477
(S) Nitrobenzene-d5	*130*	J7	*22.1-146*		*06/09/2016 11:58*	WG877477
(S) 2-Fluorobiphenyl	*313*	J7	*40.6-122*		*06/09/2016 11:58*	WG877477
(S) p-Terphenyl-d14	*131*	J7	*32.2-131*		*06/09/2016 11:58*	WG877477

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Gasoline Range Organics-NWTPH	ND		100	1	06/09/2016 04:11	WG878037
(S) a,a,a-Trifluorotoluene(FID)	*101*		*62.0-128*		*06/09/2016 04:11*	WG878037

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	06/07/2016 04:29	WG878178
Acrolein	ND		50.0	1	06/07/2016 04:29	WG878178
Acrylonitrile	ND		10.0	1	06/07/2016 04:29	WG878178
Benzene	ND		1.00	1	06/07/2016 04:29	WG878178
Bromobenzene	ND		1.00	1	06/07/2016 04:29	WG878178
Bromodichloromethane	ND		1.00	1	06/07/2016 04:29	WG878178
Bromoform	ND		1.00	1	06/07/2016 04:29	WG878178
Bromomethane	ND		5.00	1	06/07/2016 04:29	WG878178
n-Butylbenzene	ND		1.00	1	06/07/2016 04:29	WG878178
sec-Butylbenzene	ND		1.00	1	06/07/2016 04:29	WG878178
tert-Butylbenzene	ND		1.00	1	06/07/2016 04:29	WG878178
Carbon tetrachloride	ND		1.00	1	06/07/2016 04:29	WG878178
Chlorobenzene	ND		1.00	1	06/07/2016 04:29	WG878178
Chlorodibromomethane	ND		1.00	1	06/07/2016 04:29	WG878178
Chloroethane	ND		5.00	1	06/07/2016 04:29	WG878178
2-Chloroethyl vinyl ether	ND		50.0	1	06/07/2016 04:29	WG878178
Chloroform	ND		5.00	1	06/07/2016 04:29	WG878178
Chloromethane	ND		2.50	1	06/07/2016 04:29	WG878178
2-Chlorotoluene	ND	J4	1.00	1	06/07/2016 04:29	WG878178
4-Chlorotoluene	ND		1.00	1	06/07/2016 04:29	WG878178
1,2-Dibromo-3-Chloropropane	ND		5.00	1	06/07/2016 04:29	WG878178
1,2-Dibromoethane	ND		1.00	1	06/07/2016 04:29	WG878178
Dibromomethane	ND		1.00	1	06/07/2016 04:29	WG878178
1,2-Dichlorobenzene	ND		1.00	1	06/07/2016 04:29	WG878178
1,3-Dichlorobenzene	ND		1.00	1	06/07/2016 04:29	WG878178
1,4-Dichlorobenzene	ND		1.00	1	06/07/2016 04:29	WG878178
Dichlorodifluoromethane	ND		5.00	1	06/07/2016 04:29	WG878178
1,1-Dichloroethane	ND		1.00	1	06/07/2016 04:29	WG878178
1,2-Dichloroethane	ND		1.00	1	06/07/2016 04:29	WG878178
1,1-Dichloroethene	ND		1.00	1	06/07/2016 04:29	WG878178
cis-1,2-Dichloroethene	ND		1.00	1	06/07/2016 04:29	WG878178
trans-1,2-Dichloroethene	ND		1.00	1	06/07/2016 04:29	WG878178
1,2-Dichloropropane	ND		1.00	1	06/07/2016 04:29	WG878178
1,1-Dichloropropene	ND		1.00	1	06/07/2016 04:29	WG878178
1,3-Dichloropropane	ND		1.00	1	06/07/2016 04:29	WG878178
cis-1,3-Dichloropropene	ND		1.00	1	06/07/2016 04:29	WG878178
trans-1,3-Dichloropropene	ND		1.00	1	06/07/2016 04:29	WG878178
2,2-Dichloropropane	ND		1.00	1	06/07/2016 04:29	WG878178
Di-isopropyl ether	ND		1.00	1	06/07/2016 04:29	WG878178
Ethylbenzene	ND		1.00	1	06/07/2016 04:29	WG878178
Hexachloro-1,3-butadiene	ND		1.00	1	06/07/2016 04:29	WG878178
Isopropylbenzene	ND		1.00	1	06/07/2016 04:29	WG878178
p-Isopropyltoluene	ND		1.00	1	06/07/2016 04:29	WG878178
2-Butanone (MEK)	ND		10.0	1	06/07/2016 04:29	WG878178
Methylene Chloride	ND		5.00	1	06/07/2016 04:29	WG878178
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	06/07/2016 04:29	WG878178
Methyl tert-butyl ether	ND		1.00	1	06/07/2016 04:29	WG878178
Naphthalene	ND		5.00	1	06/07/2016 04:29	WG878178
n-Propylbenzene	ND		1.00	1	06/07/2016 04:29	WG878178

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Styrene	ND		1.00	1	06/07/2016 04:29	WG878178
1,1,1,2-Tetrachloroethane	ND		1.00	1	06/07/2016 04:29	WG878178
1,1,2,2-Tetrachloroethane	ND		1.00	1	06/07/2016 04:29	WG878178
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	06/07/2016 04:29	WG878178
Tetrachloroethene	ND		1.00	1	06/07/2016 04:29	WG878178
Toluene	ND		5.00	1	06/07/2016 04:29	WG878178
1,2,3-Trichlorobenzene	ND		1.00	1	06/07/2016 04:29	WG878178
1,2,4-Trichlorobenzene	ND		1.00	1	06/07/2016 04:29	WG878178
1,1,1-Trichloroethane	ND		1.00	1	06/07/2016 04:29	WG878178
1,1,2-Trichloroethane	ND		1.00	1	06/07/2016 04:29	WG878178
Trichloroethene	ND		1.00	1	06/07/2016 04:29	WG878178
Trichlorofluoromethane	ND		5.00	1	06/07/2016 04:29	WG878178
1,2,3-Trichloropropane	ND		2.50	1	06/07/2016 04:29	WG878178
1,2,4-Trimethylbenzene	ND		1.00	1	06/07/2016 04:29	WG878178
1,2,3-Trimethylbenzene	ND		1.00	1	06/07/2016 04:29	WG878178
1,3,5-Trimethylbenzene	ND		1.00	1	06/07/2016 04:29	WG878178
Vinyl chloride	ND		1.00	1	06/07/2016 04:29	WG878178
Xylenes, Total	ND		3.00	1	06/07/2016 04:29	WG878178
(S) Toluene-d8	*108*		*90.0-115*		*06/07/2016 04:29*	WG878178
(S) Dibromofluoromethane	*98.6*		*79.0-121*		*06/07/2016 04:29*	WG878178
(S) 4-Bromofluorobenzene	*98.8*		*80.1-120*		*06/07/2016 04:29*	WG878178

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	ND		100	1	06/06/2016 16:08	WG877923
Residual Range Organics (RRO)	ND		250	1	06/06/2016 16:08	WG877923
(S) o-Terphenyl	*68.8*		*50.0-150*		*06/06/2016 16:08*	WG877923

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0500	1	06/06/2016 11:57	WG877919
Acenaphthene	0.138		0.0500	1	06/06/2016 11:57	WG877919
Acenaphthylene	ND		0.0500	1	06/06/2016 11:57	WG877919
Benzo(a)anthracene	ND		0.0500	1	06/06/2016 11:57	WG877919
Benzo(a)pyrene	ND		0.0500	1	06/06/2016 11:57	WG877919
Benzo(b)fluoranthene	ND		0.0500	1	06/06/2016 11:57	WG877919
Benzo(g,h,i)perylene	ND		0.0500	1	06/06/2016 11:57	WG877919
Benzo(k)fluoranthene	ND		0.0500	1	06/06/2016 11:57	WG877919
Chrysene	ND		0.0500	1	06/06/2016 11:57	WG877919
Dibenz(a,h)anthracene	ND		0.0500	1	06/06/2016 11:57	WG877919
Fluoranthene	ND		0.0500	1	06/06/2016 11:57	WG877919
Fluorene	0.0779		0.0500	1	06/06/2016 11:57	WG877919
Indeno(1,2,3-cd)pyrene	ND		0.0500	1	06/06/2016 11:57	WG877919
Naphthalene	0.765		0.250	1	06/06/2016 11:57	WG877919
Phenanthrene	0.119		0.0500	1	06/06/2016 11:57	WG877919
Pyrene	ND		0.0500	1	06/06/2016 11:57	WG877919
1-Methylnaphthalene	1.88		0.250	1	06/06/2016 11:57	WG877919
2-Methylnaphthalene	1.86		0.250	1	06/06/2016 11:57	WG877919
2-Chloronaphthalene	ND		0.250	1	06/06/2016 11:57	WG877919
(S) Nitrobenzene-d5	*86.8*		*45.1-170*		*06/06/2016 11:57*	WG877919
(S) 2-Fluorobiphenyl	*89.8*		*57.7-153*		*06/06/2016 11:57*	WG877919
(S) p-Terphenyl-d14	*76.5*		*53.2-156*		*06/06/2016 11:57*	WG877919

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.9		1	06/03/2016 11:13	WG877595

Volatile Organic Compounds (GC) by Method NWTPHGX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Gasoline Range Organics-NWTPH	216		2.84	21	06/09/2016 05:50	WG878160
(S) a,a,a-Trifluorotoluene(FID)	*101*		*59.0-128*		*06/09/2016 05:50*	WG878160

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		1.42	21	06/09/2016 00:46	WG877510
Acrylonitrile	ND		0.284	21	06/09/2016 00:46	WG877510
Benzene	ND		0.0284	21	06/09/2016 00:46	WG877510
Bromobenzene	ND		0.0284	21	06/09/2016 00:46	WG877510
Bromodichloromethane	ND		0.0284	21	06/09/2016 00:46	WG877510
Bromoform	ND		0.0284	21	06/09/2016 00:46	WG877510
Bromomethane	ND		0.142	21	06/09/2016 00:46	WG877510
n-Butylbenzene	0.834		0.0284	21	06/09/2016 00:46	WG877510
sec-Butylbenzene	0.204		0.0284	21	06/09/2016 00:46	WG877510
tert-Butylbenzene	ND		0.0284	21	06/09/2016 00:46	WG877510
Carbon tetrachloride	ND		0.0284	21	06/09/2016 00:46	WG877510
Chlorobenzene	ND		0.0284	21	06/09/2016 00:46	WG877510
Chlorodibromomethane	ND		0.0284	21	06/09/2016 00:46	WG877510
Chloroethane	ND		0.142	21	06/09/2016 00:46	WG877510
2-Chloroethyl vinyl ether	ND		1.42	21	06/09/2016 00:46	WG877510
Chloroform	ND		0.142	21	06/09/2016 00:46	WG877510
Chloromethane	ND		0.0710	21	06/09/2016 00:46	WG877510
2-Chlorotoluene	ND		0.0284	21	06/09/2016 00:46	WG877510
4-Chlorotoluene	ND		0.0284	21	06/09/2016 00:46	WG877510
1,2-Dibromo-3-Chloropropane	ND		0.142	21	06/09/2016 00:46	WG877510
1,2-Dibromoethane	ND		0.0284	21	06/09/2016 00:46	WG877510
Dibromomethane	ND		0.0284	21	06/09/2016 00:46	WG877510
1,2-Dichlorobenzene	0.565		0.0284	21	06/09/2016 00:46	WG877510
1,3-Dichlorobenzene	ND		0.0284	21	06/09/2016 00:46	WG877510
1,4-Dichlorobenzene	ND		0.0284	21	06/09/2016 00:46	WG877510
Dichlorodifluoromethane	ND		0.142	21	06/09/2016 00:46	WG877510
1,1-Dichloroethane	ND		0.0284	21	06/09/2016 00:46	WG877510
1,2-Dichloroethane	ND		0.0284	21	06/09/2016 00:46	WG877510
1,1-Dichloroethene	ND		0.0284	21	06/09/2016 00:46	WG877510
cis-1,2-Dichloroethene	ND		0.0284	21	06/09/2016 00:46	WG877510
trans-1,2-Dichloroethene	ND		0.0284	21	06/09/2016 00:46	WG877510
1,2-Dichloropropane	ND		0.0284	21	06/09/2016 00:46	WG877510
1,1-Dichloropropene	ND		0.0284	21	06/09/2016 00:46	WG877510
1,3-Dichloropropane	ND		0.0284	21	06/09/2016 00:46	WG877510
cis-1,3-Dichloropropene	ND		0.0284	21	06/09/2016 00:46	WG877510
trans-1,3-Dichloropropene	ND		0.0284	21	06/09/2016 00:46	WG877510
2,2-Dichloropropane	ND		0.0284	21	06/09/2016 00:46	WG877510
Di-isopropyl ether	ND		0.0284	21	06/09/2016 00:46	WG877510
Ethylbenzene	0.0440		0.0284	21	06/09/2016 00:46	WG877510
Hexachloro-1,3-butadiene	ND		0.0284	21	06/09/2016 00:46	WG877510
Isopropylbenzene	0.109		0.0284	21	06/09/2016 00:46	WG877510
p-Isopropyltoluene	0.347		0.0284	21	06/09/2016 00:46	WG877510
2-Butanone (MEK)	ND		0.284	21	06/09/2016 00:46	WG877510
Methylene Chloride	ND		0.142	21	06/09/2016 00:46	WG877510

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4-Methyl-2-pentanone (MIBK)	ND		0.284	21	06/09/2016 00:46	WG877510
Methyl tert-butyl ether	ND		0.0284	21	06/09/2016 00:46	WG877510
Naphthalene	17.0		0.568	84	06/09/2016 19:40	WG877785
n-Propylbenzene	0.369		0.0284	21	06/09/2016 00:46	WG877510
Styrene	ND		0.0284	21	06/09/2016 00:46	WG877510
1,1,1,2-Tetrachloroethane	ND		0.0284	21	06/09/2016 00:46	WG877510
1,1,2,2-Tetrachloroethane	ND		0.0284	21	06/09/2016 00:46	WG877510
1,1,2-Trichlorotrifluoroethane	ND		0.0284	21	06/09/2016 00:46	WG877510
Tetrachloroethene	0.182		0.0284	21	06/09/2016 00:46	WG877510
Toluene	ND		0.142	21	06/09/2016 00:46	WG877510
1,2,3-Trichlorobenzene	ND		0.0284	21	06/09/2016 00:46	WG877510
1,2,4-Trichlorobenzene	ND		0.0284	21	06/09/2016 00:46	WG877510
1,1,1-Trichloroethane	ND		0.0284	21	06/09/2016 00:46	WG877510
1,1,2-Trichloroethane	ND		0.0284	21	06/09/2016 00:46	WG877510
Trichloroethene	0.0305		0.0284	21	06/09/2016 00:46	WG877510
Trichlorofluoromethane	ND		0.142	21	06/09/2016 00:46	WG877510
1,2,3-Trichloropropane	ND		0.0710	21	06/09/2016 00:46	WG877510
1,2,4-Trimethylbenzene	5.11		0.0284	21	06/09/2016 00:46	WG877510
1,2,3-Trimethylbenzene	1.47		0.0284	21	06/09/2016 00:46	WG877510
1,3,5-Trimethylbenzene	0.728		0.0284	21	06/09/2016 00:46	WG877510
Vinyl chloride	ND		0.0284	21	06/09/2016 00:46	WG877510
Xylenes, Total	0.333		0.0852	21	06/09/2016 00:46	WG877510
(S) Toluene-d8	*107*		*88.7-115*		*06/09/2016 00:46*	WG877510
(S) Toluene-d8	*105*		*88.7-115*		*06/09/2016 19:40*	WG877785
(S) Dibromofluoromethane	*101*		*76.3-123*		*06/09/2016 19:40*	WG877785
(S) Dibromofluoromethane	*86.4*		*76.3-123*		*06/09/2016 00:46*	WG877510
(S) α,α,α-Trifluorotoluene	*104*		*87.2-117*		*06/09/2016 00:46*	WG877510
(S) α,α,α-Trifluorotoluene	*102*		*87.2-117*		*06/09/2016 19:40*	WG877785
(S) 4-Bromofluorobenzene	*102*		*69.7-129*		*06/09/2016 19:40*	WG877785
(S) 4-Bromofluorobenzene	*102*		*69.7-129*		*06/09/2016 00:46*	WG877510

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	5150		271	50	06/10/2016 15:08	WG879169
Residual Range Organics (RRO)	3260		677	50	06/10/2016 15:08	WG879169
(S) o-Terphenyl	*0.000*	J7	*50.0-150*		*06/10/2016 15:08*	WG879169

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.923		0.0812	10	06/09/2016 11:37	WG877477
Acenaphthene	1.17		0.0812	10	06/09/2016 11:37	WG877477
Acenaphthylene	0.160		0.0812	10	06/09/2016 11:37	WG877477
Benzo(a)anthracene	0.320		0.0812	10	06/09/2016 11:37	WG877477
Benzo(a)pyrene	0.130		0.0812	10	06/09/2016 11:37	WG877477
Benzo(b)fluoranthene	ND		0.0812	10	06/09/2016 11:37	WG877477
Benzo(g,h,i)perylene	ND		0.0812	10	06/09/2016 11:37	WG877477
Benzo(k)fluoranthene	ND		0.0812	10	06/09/2016 11:37	WG877477
Chrysene	0.633		0.0812	10	06/09/2016 11:37	WG877477
Dibenz(a,h)anthracene	ND		0.0812	10	06/09/2016 11:37	WG877477
Fluoranthene	0.273		0.0812	10	06/09/2016 11:37	WG877477
Fluorene	0.941		0.0812	10	06/09/2016 11:37	WG877477
Indeno(1,2,3-cd)pyrene	ND		0.0812	10	06/09/2016 11:37	WG877477
Naphthalene	4.66		0.271	10	06/09/2016 11:37	WG877477

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Phenanthrene	2.27		0.0812	10	06/09/2016 11:37	WG877477
Pyrene	0.931		0.0812	10	06/09/2016 11:37	WG877477
1-Methylnaphthalene	13.2		0.271	10	06/09/2016 11:37	WG877477
2-Methylnaphthalene	11.0		0.271	10	06/09/2016 11:37	WG877477
2-Chloronaphthalene	ND		0.271	10	06/09/2016 11:37	WG877477
(S) Nitrobenzene-d5	*88.8*		*22.1-146*		*06/09/2016 11:37*	WG877477
(S) 2-Fluorobiphenyl	*130*	J1	*40.6-122*		*06/09/2016 11:37*	WG877477
(S) p-Terphenyl-d14	*75.2*		*32.2-131*		*06/09/2016 11:37*	WG877477

Method Blank (MB)

(MB) R3141562-1 06/03/16 11:23

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000100			

L839093-02 Original Sample (OS) • Duplicate (DUP)

(OS) L839093-02 06/03/16 11:23 • (DUP) R3141562-3 06/03/16 11:23

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	81.5	81.1	1	0.432		5

Laboratory Control Sample (LCS)

(LCS) R3141562-2 06/03/16 11:23

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3141561-1 06/03/16 11:13

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L839114-04 Original Sample (OS) • Duplicate (DUP)

(OS) L839114-04 06/03/16 11:13 • (DUP) R3141561-3 06/03/16 11:13

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	79.8	79.5	1	0.375		5

Laboratory Control Sample (LCS)

(LCS) R3141561-2 06/03/16 11:13

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3141579-1 06/04/16 09:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0028	0.0200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3141579-2 06/04/16 09:43 • (LCSD) R3141579-3 06/04/16 09:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.257	0.264	86	88	80-120			3	20

L838830-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L838830-01 06/04/16 09:48 • (MS) R3141579-4 06/04/16 09:56 • (MSD) R3141579-5 06/04/16 09:58

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.372	0.0401	0.379	0.387	91	93	1	75-125			2	20

Method Blank (MB)

(MB) R3141588-1 06/03/16 13:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.65	2.00
Barium	U		0.17	0.500
Cadmium	U		0.07	0.500
Chromium	U		0.14	1.00
Lead	U		0.19	0.500
Selenium	U		0.74	2.00
Silver	U		0.28	1.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3141588-2 06/03/16 13:59 • (LCSD) R3141588-3 06/03/16 14:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	100	93.5	95.8	93	96	80-120			2	20
Barium	100	96.7	98.9	97	99	80-120			2	20
Cadmium	100	94.9	97.0	95	97	80-120			2	20
Chromium	100	93.5	96.1	94	96	80-120			3	20
Lead	100	95.0	97.1	95	97	80-120			2	20
Selenium	100	95.5	97.9	96	98	80-120			2	20
Silver	100	91.7	93.7	92	94	80-120			2	20

L839147-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839147-11 06/03/16 14:05 • (MS) R3141588-6 06/03/16 14:13 • (MSD) R3141588-7 06/03/16 14:16

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	104	3.06	109	113	101	105	1	75-125			3	20
Barium	104	25.2	116	120	87	91	1	75-125			3	20
Cadmium	104	0.104	105	108	101	103	1	75-125			3	20
Chromium	104	2.59	91.1	94.3	85	88	1	75-125			3	20
Lead	104	4.96	105	109	96	100	1	75-125			4	20
Selenium	104	U	107	109	103	105	1	75-125			2	20
Silver	104	U	108	110	103	105	1	75-125			2	20

Method Blank (MB)

(MB) R3142470-2 06/08/16 13:32

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
TPHG C6 - C12	U		31.6	100
(S) a,a,a-Trifluorotoluene(FID)	*101*			*62.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142470-1 06/08/16 12:06 • (LCSD) R3142470-3 06/08/16 14:32

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
TPHG C6 - C12	5500	6310	6120	115	111	66.0-123			3.04	20
(S) a,a,a-Trifluorotoluene(FID)				*99.8*	*100*	*62.0-128*				

L839102-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839102-03 06/08/16 17:24 • (MS) R3142470-4 06/08/16 15:58 • (MSD) R3142470-5 06/08/16 16:27

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
TPHG C6 - C12	5500	ND	7350	5950	134	108	1	47.5-136		J3	21.2	20
(S) a,a,a-Trifluorotoluene(FID)					*101*	*99.6*		*62.0-128*				

Method Blank (MB)

(MB) R3142535-3 06/09/16 00:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
TPHG C6 - C12	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*102*			*59.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142535-1 06/08/16 23:29 • (LCSD) R3142535-2 06/08/16 23:51

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
TPHG C6 - C12	5.50	6.25	6.62	114	120	62.2-127			5.74	20
(S) a,a,a-Trifluorotoluene(FID)				*101*	*105*	*59.0-128*				

L839102-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839102-02 06/09/16 15:22 • (MS) R3142643-1 06/09/16 15:45 • (MSD) R3142643-2 06/09/16 16:09

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPHG C6 - C12	7.32	ND	187	183	117	115	21.75	20.5-134			1.83	23.8
(S) a,a,a-Trifluorotoluene(FID)					*109*	*108*		*59.0-128*				

Method Blank (MB)

(MB) R3142644-3 06/09/16 13:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*109*			*59.0-128*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142644-1 06/09/16 12:31 • (LCSD) R3142644-2 06/09/16 12:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPHG C6 - C12	5.50	5.23	5.48	95.1	99.6	62.2-127			4.70	20
(S) a,a,a-Trifluorotoluene(FID)				*108*	*108*	*59.0-128*				

L839131-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839131-01 06/09/16 18:56 • (MS) R3142644-4 06/09/16 16:33 • (MSD) R3142644-5 06/09/16 16:57

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C6 - C12	5.50	ND	28.9	26.9	105	98.0	5	20.5-134			6.83	23.8
(S) a,a,a-Trifluorotoluene(FID)					*108*	*107*		*59.0-128*				

Method Blank (MB)

(MB) R3142038-3 06/06/16 10:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
2-Chloroethyl vinyl ether	U		0.00234	0.0500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100

Method Blank (MB)

(MB) R3142038-3 06/06/16 10:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*104*			*88.7-115*
(S) Dibromofluoromethane	*104*			*76.3-123*
(S) a,a,a-Trifluorotoluene	*102*			*87.2-117*
(S) 4-Bromofluorobenzene	*95.4*			*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142038-1 06/06/16 09:02 • (LCSD) R3142038-2 06/06/16 09:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.157	0.158	126	127	25.3-178			0.500	22.9
Acrylonitrile	0.125	0.153	0.150	122	120	57.8-143			1.71	20
Benzene	0.0250	0.0273	0.0266	109	106	72.6-120			2.88	20
Bromobenzene	0.0250	0.0242	0.0234	96.9	93.6	80.3-115			3.43	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142038-1 06/06/16 09:02 • (LCSD) R3142038-2 06/06/16 09:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	0.0250	0.0261	0.0249	104	99.5	75.3-119			4.68	20
Bromoform	0.0250	0.0240	0.0234	95.9	93.6	69.1-135			2.49	20
Bromomethane	0.0250	0.0258	0.0238	103	95.3	23.0-191			8.10	20
n-Butylbenzene	0.0250	0.0246	0.0231	98.2	92.6	74.2-134			5.90	20
sec-Butylbenzene	0.0250	0.0233	0.0219	93.0	87.7	77.8-129			5.97	20
tert-Butylbenzene	0.0250	0.0223	0.0215	89.4	85.9	77.2-129			3.92	20
Carbon tetrachloride	0.0250	0.0253	0.0242	101	96.9	69.4-129			4.24	20
Chlorobenzene	0.0250	0.0236	0.0231	94.2	92.4	78.9-122			2.01	20
Chlorodibromomethane	0.0250	0.0230	0.0230	92.0	92.0	76.4-126			0.0100	20
Chloroethane	0.0250	0.0254	0.0237	102	94.7	47.2-147			7.00	20
2-Chloroethyl vinyl ether	0.125	0.129	0.125	103	100	16.7-162			2.97	23.7
Chloroform	0.0250	0.0269	0.0262	108	105	73.3-122			2.54	20
Chloromethane	0.0250	0.0293	0.0273	117	109	53.1-135			7.24	20
2-Chlorotoluene	0.0250	0.0230	0.0223	92.0	89.0	74.6-127			3.32	20
4-Chlorotoluene	0.0250	0.0238	0.0229	95.1	91.7	79.5-123			3.66	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0224	0.0208	89.6	83.3	64.9-131			7.28	20
1,2-Dibromoethane	0.0250	0.0233	0.0233	93.4	93.2	78.7-123			0.190	20
Dibromomethane	0.0250	0.0272	0.0261	109	104	78.5-117			4.14	20
1,2-Dichlorobenzene	0.0250	0.0231	0.0218	92.5	87.2	83.6-119			5.88	20
1,3-Dichlorobenzene	0.0250	0.0231	0.0224	92.4	89.5	75.9-129			3.18	20
1,4-Dichlorobenzene	0.0250	0.0228	0.0222	91.1	88.8	81.0-115			2.56	20
Dichlorodifluoromethane	0.0250	0.0274	0.0249	110	99.7	50.9-139			9.51	20
1,1-Dichloroethane	0.0250	0.0290	0.0283	116	113	71.7-125			2.65	20
1,2-Dichloroethane	0.0250	0.0274	0.0270	110	108	67.2-121			1.62	20
1,1-Dichloroethene	0.0250	0.0246	0.0234	98.3	93.5	60.6-133			4.96	20
cis-1,2-Dichloroethene	0.0250	0.0261	0.0258	104	103	76.1-121			1.17	20
trans-1,2-Dichloroethene	0.0250	0.0263	0.0255	105	102	70.7-124			3.31	20
1,2-Dichloropropane	0.0250	0.0291	0.0280	116	112	76.9-123			3.90	20
1,1-Dichloropropene	0.0250	0.0281	0.0270	112	108	71.2-126			4.12	20
1,3-Dichloropropane	0.0250	0.0256	0.0252	102	101	80.3-114			1.49	20
cis-1,3-Dichloropropene	0.0250	0.0282	0.0269	113	107	77.3-123			4.99	20
trans-1,3-Dichloropropene	0.0250	0.0283	0.0273	113	109	73.0-127			3.78	20
2,2-Dichloropropane	0.0250	0.0272	0.0256	109	102	61.9-132			6.01	20
Di-isopropyl ether	0.0250	0.0286	0.0274	114	110	67.2-131			4.13	20
Ethylbenzene	0.0250	0.0228	0.0222	91.1	88.7	78.6-124			2.65	20
Hexachloro-1,3-butadiene	0.0250	0.0248	0.0236	99.4	94.6	69.2-136			4.99	20
Isopropylbenzene	0.0250	0.0223	0.0212	89.0	84.8	79.4-126			4.92	20
p-Isopropyltoluene	0.0250	0.0230	0.0218	91.9	87.1	75.4-132			5.29	20
2-Butanone (MEK)	0.125	0.174	0.174	139	140	44.5-154			0.0800	21.3
Methylene Chloride	0.0250	0.0253	0.0246	101	98.5	68.2-119			2.64	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142038-1 06/06/16 09:02 • (LCSD) R3142038-2 06/06/16 09:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.125	0.157	0.151	125	121	61.1-138			3.85	20
Methyl tert-butyl ether	0.0250	0.0269	0.0259	108	104	70.2-122			3.93	20
Naphthalene	0.0250	0.0224	0.0218	89.7	87.2	69.9-132			2.83	20
n-Propylbenzene	0.0250	0.0238	0.0229	95.3	91.6	80.2-124			3.95	20
Styrene	0.0250	0.0200	0.0193	80.1	77.1	79.4-124		J4	3.77	20
1,1,1,2-Tetrachloroethane	0.0250	0.0231	0.0224	92.5	89.5	76.7-127			3.37	20
1,1,2,2-Tetrachloroethane	0.0250	0.0250	0.0245	99.9	98.0	78.8-124			1.89	20
Tetrachloroethene	0.0250	0.0233	0.0220	93.2	87.9	71.1-133			5.83	20
Toluene	0.0250	0.0262	0.0250	105	99.9	76.7-116			4.80	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0265	0.0240	106	95.9	62.6-138			9.85	20
1,2,3-Trichlorobenzene	0.0250	0.0241	0.0228	96.2	91.2	72.5-137			5.39	20
1,2,4-Trichlorobenzene	0.0250	0.0240	0.0230	95.9	91.9	74.0-137			4.35	20
1,1,1-Trichloroethane	0.0250	0.0264	0.0253	106	101	69.9-127			4.59	20
1,1,2-Trichloroethane	0.0250	0.0245	0.0235	98.2	94.1	81.9-119			4.23	20
Trichlorofluoromethane	0.0250	0.0248	0.0227	99.1	90.9	51.5-151			8.58	20
1,2,3-Trichloropropane	0.0250	0.0235	0.0237	94.2	94.7	74.0-124			0.490	20
1,2,3-Trimethylbenzene	0.0250	0.0227	0.0219	90.9	87.8	79.4-118			3.43	20
1,2,4-Trimethylbenzene	0.0250	0.0235	0.0222	93.8	88.7	77.1-124			5.62	20
1,3,5-Trimethylbenzene	0.0250	0.0231	0.0220	92.4	88.1	79.0-125			4.67	20
Vinyl chloride	0.0250	0.0260	0.0241	104	96.3	58.4-134			7.68	20
Xylenes, Total	0.0750	0.0692	0.0671	92.2	89.5	78.1-123			3.02	20
(S) Toluene-d8				*105*	*105*	*88.7-115*				
(S) Dibromofluoromethane				*105*	*105*	*76.3-123*				
(S) α,α,α-Trifluorotoluene				*102*	*101*	*87.2-117*				
(S) 4-Bromofluorobenzene				*96.8*	*96.1*	*69.7-129*				

L839097-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839097-01 06/06/16 18:52 • (MS) R3142038-4 06/06/16 16:39 • (MSD) R3142038-5 06/06/16 16:58

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	0.559	0.576	89.4	92.1	5	10.0-130			2.98	31.5
Acrylonitrile	0.125	ND	0.712	0.718	114	115	5	39.3-152			0.830	27.2
Benzene	0.0250	ND	0.120	0.122	96.3	97.3	5	47.8-131			1.10	22.8
Bromobenzene	0.0250	ND	0.0977	0.100	78.2	80.2	5	40.0-130			2.58	27.4
Bromodichloromethane	0.0250	ND	0.115	0.117	92.4	93.6	5	50.6-128			1.30	22.8
Bromoform	0.0250	ND	0.0990	0.101	79.2	80.6	5	43.3-139			1.72	25.9
Bromomethane	0.0250	ND	0.0936	0.0946	74.9	75.7	5	5.00-189			1.06	26.7
n-Butylbenzene	0.0250	0.00685	0.0978	0.0982	72.8	73.1	5	23.6-146			0.420	39.2

L839097-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839097-01 06/06/16 18:52 • (MS) R3142038-4 06/06/16 16:39 • (MSD) R3142038-5 06/06/16 16:58

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
sec-Butylbenzene	0.0250	ND	0.0895	0.0905	70.4	71.1	5	31.0-142			1.02	34.7
tert-Butylbenzene	0.0250	ND	0.0870	0.0899	69.6	71.9	5	36.9-142			3.30	31.7
Carbon tetrachloride	0.0250	ND	0.106	0.110	84.6	87.9	5	46.0-140			3.86	27.2
Chlorobenzene	0.0250	ND	0.0938	0.0949	75.0	75.9	5	44.1-134			1.16	25.7
Chlorodibromomethane	0.0250	ND	0.0967	0.0985	77.3	78.8	5	49.7-134			1.84	24
Chloroethane	0.0250	ND	0.0974	0.0997	77.9	79.8	5	5.00-164			2.29	28.4
2-Chloroethyl vinyl ether	0.125	ND	0.468	0.524	74.9	83.8	5	5.00-159			11.2	40
Chloroform	0.0250	ND	0.120	0.124	96.2	99.6	5	51.2-133			3.45	22.8
Chloromethane	0.0250	ND	0.105	0.107	80.2	82.3	5	31.4-141			2.49	24.6
2-Chlorotoluene	0.0250	ND	0.0902	0.0915	72.2	73.2	5	36.1-137			1.41	28.9
4-Chlorotoluene	0.0250	ND	0.0911	0.0935	72.9	74.8	5	35.4-137			2.56	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.0982	0.105	78.5	83.8	5	40.4-138			6.42	30.8
1,2-Dibromoethane	0.0250	ND	0.0965	0.0995	77.2	79.6	5	50.2-133			3.02	23.6
Dibromomethane	0.0250	ND	0.118	0.117	94.2	93.6	5	52.4-128			0.670	23
1,2-Dichlorobenzene	0.0250	ND	0.0950	0.0967	76.0	77.4	5	34.6-139			1.84	29.9
1,3-Dichlorobenzene	0.0250	ND	0.0870	0.0882	69.6	70.5	5	28.4-142			1.36	31.2
1,4-Dichlorobenzene	0.0250	ND	0.0944	0.0937	75.5	74.9	5	35.0-133			0.750	31.1
Dichlorodifluoromethane	0.0250	ND	0.0891	0.0906	71.2	72.5	5	31.2-144			1.74	30.2
1,1-Dichloroethane	0.0250	ND	0.130	0.133	104	106	5	49.1-136			2.12	22.9
1,2-Dichloroethane	0.0250	ND	0.125	0.125	99.8	100	5	47.1-129			0.150	22.7
1,1-Dichloroethene	0.0250	ND	0.102	0.103	81.8	82.8	5	36.1-142			1.17	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.115	0.120	92.0	95.9	5	50.6-133			4.18	23
trans-1,2-Dichloroethene	0.0250	ND	0.111	0.110	88.5	88.1	5	43.8-135			0.470	24.8
1,2-Dichloropropane	0.0250	ND	0.133	0.134	106	107	5	50.3-134			0.670	22.7
1,1-Dichloropropene	0.0250	ND	0.116	0.119	93.2	95.6	5	43.0-137			2.53	26.4
1,3-Dichloropropane	0.0250	ND	0.107	0.109	85.8	86.8	5	51.4-127			1.16	23.1
cis-1,3-Dichloropropene	0.0250	ND	0.122	0.124	97.6	99.2	5	48.4-134			1.65	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.122	0.123	97.8	98.0	5	46.6-135			0.200	25.3
2,2-Dichloropropane	0.0250	ND	0.116	0.118	92.7	94.6	5	45.2-141			2.03	26.6
Di-isopropyl ether	0.0250	ND	0.132	0.136	106	109	5	46.7-140			2.80	23.5
Ethylbenzene	0.0250	0.00708	0.0900	0.0906	66.3	66.8	5	44.8-135			0.670	26.9
Hexachloro-1,3-butadiene	0.0250	ND	0.0911	0.0968	72.8	77.4	5	10.0-149			6.07	40
Isopropylbenzene	0.0250	ND	0.0878	0.0886	68.8	69.4	5	41.9-139			0.900	29.3
p-Isopropyltoluene	0.0250	ND	0.0857	0.0879	68.6	70.3	5	27.3-146			2.53	35.1
2-Butanone (MEK)	0.125	ND	0.711	0.731	114	117	5	23.9-170			2.70	28.3
Methylene Chloride	0.0250	ND	0.111	0.111	88.9	89.1	5	46.7-125			0.210	22.2
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.703	0.707	112	113	5	42.4-146			0.540	26.7
Methyl tert-butyl ether	0.0250	ND	0.121	0.121	96.4	96.5	5	50.4-131			0.0500	24.8
Naphthalene	0.0250	0.0397	0.0901	0.0967	40.4	45.6	5	18.4-145			7.01	34
n-Propylbenzene	0.0250	0.00833	0.0926	0.0936	67.4	68.2	5	35.2-139			1.07	31.9

L839097-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839097-01 06/06/16 18:52 • (MS) R3142038-4 06/06/16 16:39 • (MSD) R3142038-5 06/06/16 16:58

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Styrene	0.0250	ND	0.0760	0.0736	60.8	58.9	5	39.7-137			3.27	28.2
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0934	0.0983	74.7	78.6	5	48.8-136			5.08	25.5
1,1,2,2-Tetrachloroethane	0.0250	ND	0.108	0.109	86.3	87.6	5	45.7-140			1.50	26.4
Tetrachloroethene	0.0250	ND	0.0855	0.0863	68.4	69.0	5	37.7-140			0.960	29.2
Toluene	0.0250	ND	0.109	0.110	87.4	87.7	5	47.8-127			0.390	24.3
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.107	0.110	85.2	87.9	5	35.7-146			3.09	28.8
1,2,3-Trichlorobenzene	0.0250	ND	0.0888	0.0937	71.0	75.0	5	10.0-150			5.44	38.5
1,2,4-Trichlorobenzene	0.0250	ND	0.0868	0.0878	69.4	70.2	5	10.0-153			1.13	39.3
1,1,1-Trichloroethane	0.0250	ND	0.115	0.119	92.3	95.1	5	49.0-138			3.05	25.3
1,1,2-Trichloroethane	0.0250	ND	0.102	0.103	81.6	82.5	5	52.3-132			1.04	23.4
Trichlorofluoromethane	0.0250	ND	0.102	0.106	81.4	84.9	5	12.8-169			4.32	29.7
1,2,3-Trichloropropane	0.0250	ND	0.0945	0.0991	75.6	79.2	5	44.4-138			4.67	26.3
1,2,3-Trimethylbenzene	0.0250	0.0186	0.0969	0.0982	62.6	63.7	5	41.0-133			1.31	27.6
1,2,4-Trimethylbenzene	0.0250	ND	0.0887	0.0903	71.0	72.2	5	32.9-139			1.73	30.6
1,3,5-Trimethylbenzene	0.0250	ND	0.0891	0.0898	71.3	71.9	5	37.1-138			0.800	30.6
Vinyl chloride	0.0250	ND	0.0968	0.0997	77.4	79.7	5	32.0-146			2.97	26.3
Xylenes, Total	0.0750	ND	0.271	0.275	72.2	73.3	5	42.7-135			1.52	26.6
(S) Toluene-d8					*105*	*104*		*88.7-115*				
(S) Dibromofluoromethane					*106*	*108*		*76.3-123*				
(S) a,a,a-Trifluorotoluene					*99.0*	*99.9*		*87.2-117*				
(S) 4-Bromofluorobenzene					*92.3*	*92.3*		*69.7-129*				

Method Blank (MB)

(MB) R3142583-3 06/08/16 19:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
2-Chloroethyl vinyl ether	U		0.00234	0.0500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100

Method Blank (MB)

(MB) R3142583-3 06/08/16 19:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*98.8*			*88.7-115*
(S) Dibromofluoromethane	*91.1*			*76.3-123*
(S) a,a,a-Trifluorotoluene	*98.4*			*87.2-117*
(S) 4-Bromofluorobenzene	*96.1*			*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142583-1 06/08/16 18:22 • (LCSD) R3142583-2 06/08/16 18:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.135	0.129	108	103	25.3-178			4.76	22.9
Acrylonitrile	0.125	0.113	0.107	90.1	85.4	57.8-143			5.45	20
Benzene	0.0250	0.0224	0.0234	89.7	93.6	72.6-120			4.25	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142583-1 06/08/16 18:22 • (LCSD) R3142583-2 06/08/16 18:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	0.0250	0.0257	0.0272	103	109	80.3-115			5.72	20
Bromodichloromethane	0.0250	0.0249	0.0249	99.5	99.7	75.3-119			0.220	20
Bromoform	0.0250	0.0247	0.0241	98.6	96.4	69.1-135			2.31	20
Bromomethane	0.0250	0.0303	0.0300	121	120	23.0-191			1.03	20
n-Butylbenzene	0.0250	0.0260	0.0248	104	99.3	74.2-134			4.41	20
sec-Butylbenzene	0.0250	0.0251	0.0268	100	107	77.8-129			6.62	20
tert-Butylbenzene	0.0250	0.0263	0.0251	105	100	77.2-129			4.56	20
Carbon tetrachloride	0.0250	0.0198	0.0196	79.3	78.4	69.4-129			1.10	20
Chlorobenzene	0.0250	0.0264	0.0264	106	106	78.9-122			0.250	20
Chlorodibromomethane	0.0250	0.0276	0.0264	110	106	76.4-126			4.58	20
Chloroethane	0.0250	0.0205	0.0208	81.8	83.0	47.2-147			1.44	20
2-Chloroethyl vinyl ether	0.125	0.128	0.123	102	98.5	16.7-162			3.87	23.7
Chloroform	0.0250	0.0219	0.0223	87.4	89.2	73.3-122			1.99	20
Chloromethane	0.0250	0.0241	0.0244	96.4	97.7	53.1-135			1.37	20
2-Chlorotoluene	0.0250	0.0269	0.0265	107	106	74.6-127			1.20	20
4-Chlorotoluene	0.0250	0.0265	0.0267	106	107	79.5-123			0.840	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0241	0.0221	96.4	88.5	64.9-131			8.59	20
1,2-Dibromoethane	0.0250	0.0260	0.0260	104	104	78.7-123			0.0200	20
Dibromomethane	0.0250	0.0244	0.0249	97.6	99.6	78.5-117			1.99	20
1,2-Dichlorobenzene	0.0250	0.0258	0.0240	103	96.2	83.6-119			7.00	20
1,3-Dichlorobenzene	0.0250	0.0257	0.0252	103	101	75.9-129			1.81	20
1,4-Dichlorobenzene	0.0250	0.0247	0.0249	98.8	99.7	81.0-115			0.910	20
Dichlorodifluoromethane	0.0250	0.0275	0.0280	110	112	50.9-139			1.81	20
1,1-Dichloroethane	0.0250	0.0228	0.0222	91.2	88.8	71.7-125			2.70	20
1,2-Dichloroethane	0.0250	0.0228	0.0219	91.1	87.7	67.2-121			3.85	20
1,1-Dichloroethene	0.0250	0.0230	0.0218	92.1	87.1	60.6-133			5.53	20
cis-1,2-Dichloroethene	0.0250	0.0227	0.0233	90.9	93.1	76.1-121			2.35	20
trans-1,2-Dichloroethene	0.0250	0.0223	0.0216	89.2	86.5	70.7-124			3.11	20
1,2-Dichloropropane	0.0250	0.0261	0.0263	104	105	76.9-123			0.640	20
1,1-Dichloropropene	0.0250	0.0241	0.0244	96.4	97.7	71.2-126			1.28	20
1,3-Dichloropropane	0.0250	0.0274	0.0264	110	106	80.3-114			3.47	20
cis-1,3-Dichloropropene	0.0250	0.0253	0.0260	101	104	77.3-123			2.87	20
trans-1,3-Dichloropropene	0.0250	0.0248	0.0249	99.1	99.7	73.0-127			0.600	20
2,2-Dichloropropane	0.0250	0.0165	0.0173	66.1	69.0	61.9-132			4.43	20
Di-isopropyl ether	0.0250	0.0219	0.0216	87.8	86.6	67.2-131			1.38	20
Ethylbenzene	0.0250	0.0259	0.0259	104	104	78.6-124			0.0800	20
Hexachloro-1,3-butadiene	0.0250	0.0230	0.0224	91.9	89.5	69.2-136			2.68	20
Isopropylbenzene	0.0250	0.0256	0.0253	103	101	79.4-126			1.48	20
p-Isopropyltoluene	0.0250	0.0267	0.0276	107	110	75.4-132			3.30	20
2-Butanone (MEK)	0.125	0.115	0.115	92.1	92.0	44.5-154			0.0500	21.3

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142583-1 06/08/16 18:22 • (LCSD) R3142583-2 06/08/16 18:41

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methylene Chloride	0.0250	0.0233	0.0225	93.0	89.9	68.2-119			3.43	20
4-Methyl-2-pentanone (MIBK)	0.125	0.120	0.122	95.7	97.5	61.1-138			1.85	20
Methyl tert-butyl ether	0.0250	0.0195	0.0191	78.0	76.4	70.2-122			1.99	20
Naphthalene	0.0250	0.0236	0.0224	94.5	89.7	69.9-132			5.28	20
n-Propylbenzene	0.0250	0.0256	0.0270	102	108	80.2-124			5.43	20
Styrene	0.0250	0.0290	0.0285	116	114	79.4-124			1.76	20
1,1,1,2-Tetrachloroethane	0.0250	0.0259	0.0259	104	104	76.7-127			0.0700	20
1,1,2,2-Tetrachloroethane	0.0250	0.0238	0.0241	95.1	96.5	78.8-124			1.42	20
Tetrachloroethene	0.0250	0.0256	0.0263	102	105	71.1-133			2.81	20
Toluene	0.0250	0.0252	0.0257	101	103	76.7-116			1.92	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0222	0.0196	88.6	78.4	62.6-138			12.2	20
1,2,3-Trichlorobenzene	0.0250	0.0248	0.0252	99.1	101	72.5-137			1.75	20
1,2,4-Trichlorobenzene	0.0250	0.0246	0.0250	98.3	99.9	74.0-137			1.57	20
1,1,1-Trichloroethane	0.0250	0.0198	0.0200	79.3	79.9	69.9-127			0.790	20
1,1,2-Trichloroethane	0.0250	0.0256	0.0252	102	101	81.9-119			1.55	20
Trichloroethene	0.0250	0.0238	0.0245	95.4	98.0	77.2-122			2.74	20
Trichlorofluoromethane	0.0250	0.0215	0.0215	85.9	86.2	51.5-151			0.280	20
1,2,3-Trichloropropane	0.0250	0.0246	0.0239	98.2	95.6	74.0-124			2.66	20
1,2,3-Trimethylbenzene	0.0250	0.0244	0.0249	97.4	99.4	79.4-118			2.02	20
1,2,4-Trimethylbenzene	0.0250	0.0258	0.0262	103	105	77.1-124			1.34	20
1,3,5-Trimethylbenzene	0.0250	0.0258	0.0260	103	104	79.0-125			0.530	20
Vinyl chloride	0.0250	0.0235	0.0229	94.0	91.4	58.4-134			2.80	20
Xylenes, Total	0.0750	0.0790	0.0781	105	104	78.1-123			1.04	20
(S) Toluene-d8				*99.4*	*104*	*88.7-115*				
(S) Dibromofluoromethane				*93.2*	*91.2*	*76.3-123*				
(S) a,a,a-Trifluorotoluene				*99.1*	*104*	*87.2-117*				
(S) 4-Bromofluorobenzene				*98.8*	*99.6*	*69.7-129*				

L839139-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839139-02 06/08/16 21:25 • (MS) R3142583-4 06/08/16 20:30 • (MSD) R3142583-5 06/08/16 20:48

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.143	0.0392	0.125	0.120	59.6	56.4	1	10.0-130			3.72	31.5
Acrylonitrile	0.143	U	0.106	0.111	73.8	77.7	1	39.3-152			5.14	27.2
Benzene	0.0286	U	0.0210	0.0218	73.3	76.1	1	47.8-131			3.80	22.8
Bromobenzene	0.0286	U	0.0231	0.0225	80.7	78.5	1	40.0-130			2.79	27.4
Bromodichloromethane	0.0286	U	0.0215	0.0223	75.2	77.8	1	50.6-128			3.31	22.8
Bromoform	0.0286	U	0.0225	0.0215	78.4	75.2	1	43.3-139			4.14	25.9

L839139-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839139-02 06/08/16 21:25 • (MS) R3142583-4 06/08/16 20:30 • (MSD) R3142583-5 06/08/16 20:48

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromomethane	0.0286	U	0.0229	0.0255	80.0	89.1	1	5.00-189			10.8	26.7
n-Butylbenzene	0.0286	U	0.0216	0.0211	75.5	73.8	1	23.6-146			2.36	39.2
sec-Butylbenzene	0.0286	U	0.0230	0.0211	80.2	73.7	1	31.0-142			8.50	34.7
tert-Butylbenzene	0.0286	U	0.0231	0.0220	80.7	76.7	1	36.9-142			5.00	31.7
Carbon tetrachloride	0.0286	U	0.0185	0.0203	64.5	71.0	1	46.0-140			9.62	27.2
Chlorobenzene	0.0286	U	0.0237	0.0230	82.9	80.2	1	44.1-134			3.26	25.7
Chlorodibromomethane	0.0286	U	0.0242	0.0233	84.6	81.4	1	49.7-134			3.82	24
Chloroethane	0.0286	U	0.0157	0.0198	54.9	69.2	1	5.00-164			22.9	28.4
2-Chloroethyl vinyl ether	0.143	U	0.117	0.115	82.0	80.5	1	5.00-159			1.93	40
Chloroform	0.0286	U	0.0212	0.0222	74.1	77.6	1	51.2-133			4.68	22.8
Chloromethane	0.0286	U	0.0198	0.0211	69.3	73.7	1	31.4-141			6.17	24.6
2-Chlorotoluene	0.0286	U	0.0235	0.0232	82.0	81.0	1	36.1-137			1.16	28.9
4-Chlorotoluene	0.0286	U	0.0239	0.0240	83.6	83.7	1	35.4-137			0.160	29.8
1,2-Dibromo-3-Chloropropane	0.0286	U	0.0218	0.0221	76.2	77.1	1	40.4-138			1.12	30.8
1,2-Dibromoethane	0.0286	U	0.0236	0.0226	82.5	79.0	1	50.2-133			4.36	23.6
Dibromomethane	0.0286	U	0.0224	0.0227	78.3	79.4	1	52.4-128			1.45	23
1,2-Dichlorobenzene	0.0286	U	0.0234	0.0242	81.6	84.4	1	34.6-139			3.31	29.9
1,3-Dichlorobenzene	0.0286	U	0.0228	0.0214	79.6	74.6	1	28.4-142			6.50	31.2
1,4-Dichlorobenzene	0.0286	U	0.0220	0.0233	76.9	81.4	1	35.0-133			5.75	31.1
Dichlorodifluoromethane	0.0286	U	0.0252	0.0279	88.0	97.3	1	31.2-144			9.98	30.2
1,1-Dichloroethane	0.0286	U	0.0208	0.0222	72.6	77.7	1	49.1-136			6.73	22.9
1,2-Dichloroethane	0.0286	U	0.0204	0.0220	71.3	76.8	1	47.1-129			7.50	22.7
1,1-Dichloroethene	0.0286	U	0.0205	0.0220	71.6	76.7	1	36.1-142			6.85	25.6
cis-1,2-Dichloroethene	0.0286	U	0.0212	0.0230	74.2	80.4	1	50.6-133			8.06	23
trans-1,2-Dichloroethene	0.0286	U	0.0192	0.0209	66.9	73.1	1	43.8-135			8.88	24.8
1,2-Dichloropropane	0.0286	U	0.0234	0.0242	81.8	84.5	1	50.3-134			3.25	22.7
1,1-Dichloropropene	0.0286	U	0.0215	0.0232	75.2	81.2	1	43.0-137			7.65	26.4
1,3-Dichloropropane	0.0286	U	0.0245	0.0224	85.6	78.1	1	51.4-127			9.14	23.1
cis-1,3-Dichloropropene	0.0286	U	0.0243	0.0243	84.8	84.8	1	48.4-134			0.0200	23.6
trans-1,3-Dichloropropene	0.0286	U	0.0233	0.0228	81.2	79.6	1	46.6-135			2.03	25.3
2,2-Dichloropropane	0.0286	U	0.0155	0.0177	54.3	61.8	1	45.2-141			13.0	26.6
Di-isopropyl ether	0.0286	U	0.0194	0.0226	67.8	78.9	1	46.7-140			15.1	23.5
Ethylbenzene	0.0286	U	0.0231	0.0229	80.8	80.0	1	44.8-135			1.07	26.9
Hexachloro-1,3-butadiene	0.0286	U	0.0176	0.0154	61.5	53.7	1	10.0-149			13.6	40
Isopropylbenzene	0.0286	U	0.0236	0.0226	82.3	79.0	1	41.9-139			4.05	29.3
p-Isopropyltoluene	0.0286	U	0.0217	0.0219	75.8	76.5	1	27.3-146			1.02	35.1
2-Butanone (MEK)	0.143	U	0.111	0.112	77.8	78.1	1	23.9-170			0.460	28.3
Methylene Chloride	0.0286	U	0.0205	0.0206	71.6	71.9	1	46.7-125			0.420	22.2
4-Methyl-2-pentanone (MIBK)	0.143	U	0.114	0.113	79.7	79.3	1	42.4-146			0.600	26.7

L839139-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839139-02 06/08/16 21:25 • (MS) R3142583-4 06/08/16 20:30 • (MSD) R3142583-5 06/08/16 20:48

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	0.0286	U	0.0168	0.0183	58.7	63.9	1	50.4-131			8.34	24.8
Naphthalene	0.0286	U	0.0219	0.0225	76.3	78.7	1	18.4-145			3.02	34
n-Propylbenzene	0.0286	U	0.0226	0.0226	78.9	78.8	1	35.2-139			0.0800	31.9
Styrene	0.0286	U	0.0249	0.0240	87.1	83.8	1	39.7-137			3.88	28.2
1,1,1,2-Tetrachloroethane	0.0286	U	0.0239	0.0231	83.6	80.5	1	48.8-136			3.75	25.5
1,1,2,2-Tetrachloroethane	0.0286	U	0.00228	0.000693	7.95	2.42	1	45.7-140	J6	J3 J6	107	26.4
Tetrachloroethene	0.0286	U	0.0229	0.0231	80.0	80.7	1	37.7-140			0.960	29.2
Toluene	0.0286	U	0.0221	0.0231	77.3	80.6	1	47.8-127			4.18	24.3
1,1,2-Trichlorotrifluoroethane	0.0286	U	0.0186	0.0209	65.0	72.9	1	35.7-146			11.4	28.8
1,2,3-Trichlorobenzene	0.0286	U	0.0216	0.0204	75.3	71.2	1	10.0-150			5.71	38.5
1,2,4-Trichlorobenzene	0.0286	U	0.0214	0.0208	74.8	72.8	1	10.0-153			2.70	39.3
1,1,1-Trichloroethane	0.0286	U	0.0191	0.0207	66.7	72.3	1	49.0-138			7.96	25.3
1,1,2-Trichloroethane	0.0286	U	0.0232	0.0224	80.9	78.3	1	52.3-132			3.22	23.4
Trichloroethene	0.0286	U	0.0385	0.0410	135	143	1	48.0-132	J5	J5	6.19	24.8
Trichlorofluoromethane	0.0286	U	0.0193	0.0213	67.6	74.2	1	12.8-169			9.41	29.7
1,2,3-Trichloropropane	0.0286	U	0.0240	0.0227	83.9	79.1	1	44.4-138			5.83	26.3
1,2,3-Trimethylbenzene	0.0286	U	0.0229	0.0242	80.0	84.5	1	41.0-133			5.42	27.6
1,2,4-Trimethylbenzene	0.0286	U	0.0223	0.0230	77.7	80.4	1	32.9-139			3.40	30.6
1,3,5-Trimethylbenzene	0.0286	U	0.0233	0.0226	81.5	79.0	1	37.1-138			3.05	30.6
Vinyl chloride	0.0286	U	0.0199	0.0217	69.5	75.9	1	32.0-146			8.74	26.3
Xylenes, Total	0.0859	U	0.0690	0.0680	80.3	79.2	1	42.7-135			1.38	26.6
(S) Toluene-d8					*102*	*105*		*88.7-115*				
(S) Dibromofluoromethane					*84.9*	*88.5*		*76.3-123*				
(S) a,a,a-Trifluorotoluene					*96.5*	*101*		*87.2-117*				
(S) 4-Bromofluorobenzene					*96.1*	*91.6*		*69.7-129*				

Method Blank (MB)

(MB) R3142715-3 06/09/16 17:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
2-Chloroethyl vinyl ether	U		0.00234	0.0500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100

Method Blank (MB)

(MB) R3142715-3 06/09/16 17:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*101*			*88.7-115*
(S) Dibromofluoromethane	*101*			*76.3-123*
(S) a,a,a-Trifluorotoluene	*98.8*			*87.2-117*
(S) 4-Bromofluorobenzene	*98.4*			*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142715-1 06/09/16 15:18 • (LCSD) R3142715-2 06/09/16 16:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.110	0.110	87.9	87.9	25.3-178			0.0100	22.9
Acrylonitrile	0.125	0.115	0.114	92.1	91.3	57.8-143			0.910	20
Benzene	0.0250	0.0250	0.0254	100	101	72.6-120			1.41	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142715-1 06/09/16 15:18 • (LCSD) R3142715-2 06/09/16 16:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	0.0250	0.0242	0.0247	96.9	98.6	80.3-115			1.79	20
Bromodichloromethane	0.0250	0.0237	0.0242	95.0	96.8	75.3-119			1.87	20
Bromoform	0.0250	0.0227	0.0233	90.7	93.1	69.1-135			2.60	20
Bromomethane	0.0250	0.0269	0.0259	107	103	23.0-191			3.76	20
n-Butylbenzene	0.0250	0.0256	0.0258	102	103	74.2-134			0.810	20
sec-Butylbenzene	0.0250	0.0248	0.0249	99.1	99.7	77.8-129			0.570	20
tert-Butylbenzene	0.0250	0.0257	0.0257	103	103	77.2-129			0.190	20
Carbon tetrachloride	0.0250	0.0253	0.0252	101	101	69.4-129			0.490	20
Chlorobenzene	0.0250	0.0238	0.0243	95.0	97.3	78.9-122			2.32	20
Chlorodibromomethane	0.0250	0.0242	0.0248	96.7	99.2	76.4-126			2.57	20
Chloroethane	0.0250	0.0261	0.0259	105	104	47.2-147			0.930	20
2-Chloroethyl vinyl ether	0.125	0.123	0.133	98.6	107	16.7-162			7.97	23.7
Chloroform	0.0250	0.0244	0.0245	97.6	97.8	73.3-122			0.200	20
Chloromethane	0.0250	0.0268	0.0266	107	107	53.1-135			0.400	20
2-Chlorotoluene	0.0250	0.0262	0.0261	105	105	74.6-127			0.140	20
4-Chlorotoluene	0.0250	0.0249	0.0252	99.7	101	79.5-123			1.08	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0231	0.0223	92.6	89.2	64.9-131			3.68	20
1,2-Dibromoethane	0.0250	0.0230	0.0238	91.9	95.0	78.7-123			3.30	20
Dibromomethane	0.0250	0.0224	0.0234	89.4	93.5	78.5-117			4.46	20
1,2-Dichlorobenzene	0.0250	0.0242	0.0244	97.0	97.7	83.6-119			0.690	20
1,3-Dichlorobenzene	0.0250	0.0235	0.0239	94.0	95.4	75.9-129			1.56	20
1,4-Dichlorobenzene	0.0250	0.0233	0.0233	93.1	93.3	81.0-115			0.180	20
Dichlorodifluoromethane	0.0250	0.0328	0.0333	131	133	50.9-139			1.68	20
1,1-Dichloroethane	0.0250	0.0258	0.0257	103	103	71.7-125			0.350	20
1,2-Dichloroethane	0.0250	0.0244	0.0248	97.7	99.2	67.2-121			1.45	20
1,1-Dichloroethene	0.0250	0.0258	0.0257	103	103	60.6-133			0.580	20
cis-1,2-Dichloroethene	0.0250	0.0250	0.0248	99.8	99.2	76.1-121			0.670	20
trans-1,2-Dichloroethene	0.0250	0.0251	0.0253	101	101	70.7-124			0.770	20
1,2-Dichloropropane	0.0250	0.0256	0.0263	102	105	76.9-123			2.75	20
1,1-Dichloropropene	0.0250	0.0261	0.0261	104	104	71.2-126			0.0100	20
1,3-Dichloropropane	0.0250	0.0235	0.0246	93.9	98.5	80.3-114			4.78	20
cis-1,3-Dichloropropene	0.0250	0.0243	0.0253	97.3	101	77.3-123			3.84	20
trans-1,3-Dichloropropene	0.0250	0.0257	0.0271	103	108	73.0-127			5.12	20
2,2-Dichloropropane	0.0250	0.0258	0.0273	103	109	61.9-132			5.76	20
Di-isopropyl ether	0.0250	0.0244	0.0247	97.6	98.6	67.2-131			1.10	20
Ethylbenzene	0.0250	0.0253	0.0256	101	102	78.6-124			1.01	20
Hexachloro-1,3-butadiene	0.0250	0.0250	0.0244	99.9	97.7	69.2-136			2.25	20
Isopropylbenzene	0.0250	0.0250	0.0253	100	101	79.4-126			1.17	20
p-Isopropyltoluene	0.0250	0.0256	0.0259	102	103	75.4-132			1.07	20
2-Butanone (MEK)	0.125	0.142	0.147	114	118	44.5-154			3.04	21.3

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142715-1 06/09/16 15:18 • (LCSD) R3142715-2 06/09/16 16:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methylene Chloride	0.0250	0.0237	0.0233	94.8	93.1	68.2-119			1.84	20
4-Methyl-2-pentanone (MIBK)	0.125	0.117	0.123	93.9	98.6	61.1-138			4.93	20
Methyl tert-butyl ether	0.0250	0.0232	0.0232	92.8	92.8	70.2-122			0.0100	20
Naphthalene	0.0250	0.0229	0.0230	91.7	92.2	69.9-132			0.530	20
n-Propylbenzene	0.0250	0.0258	0.0261	103	104	80.2-124			1.11	20
Styrene	0.0250	0.0256	0.0258	102	103	79.4-124			0.870	20
1,1,1,2-Tetrachloroethane	0.0250	0.0244	0.0252	97.7	101	76.7-127			3.11	20
1,1,2,2-Tetrachloroethane	0.0250	0.0218	0.0223	87.1	89.0	78.8-124			2.15	20
Tetrachloroethene	0.0250	0.0257	0.0255	103	102	71.1-133			0.740	20
Toluene	0.0250	0.0244	0.0255	97.7	102	76.7-116			4.39	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0266	0.0265	106	106	62.6-138			0.280	20
1,2,3-Trichlorobenzene	0.0250	0.0235	0.0237	93.8	94.7	72.5-137			0.940	20
1,2,4-Trichlorobenzene	0.0250	0.0245	0.0249	97.9	99.8	74.0-137			1.84	20
1,1,1-Trichloroethane	0.0250	0.0254	0.0261	102	105	69.9-127			2.91	20
1,1,2-Trichloroethane	0.0250	0.0226	0.0232	90.4	92.8	81.9-119			2.62	20
Trichloroethene	0.0250	0.0249	0.0257	99.7	103	77.2-122			2.96	20
Trichlorofluoromethane	0.0250	0.0252	0.0250	101	99.9	51.5-151			1.00	20
1,2,3-Trichloropropane	0.0250	0.0223	0.0232	89.3	92.7	74.0-124			3.79	20
1,2,3-Trimethylbenzene	0.0250	0.0248	0.0250	99.3	100	79.4-118			0.810	20
1,2,4-Trimethylbenzene	0.0250	0.0253	0.0255	101	102	77.1-124			0.820	20
1,3,5-Trimethylbenzene	0.0250	0.0250	0.0250	100	99.9	79.0-125			0.280	20
Vinyl chloride	0.0250	0.0280	0.0275	112	110	58.4-134			1.90	20
Xylenes, Total	0.0750	0.0748	0.0753	99.8	100	78.1-123			0.660	20
(S) Toluene-d8				*102*	*104*	*88.7-115*				
(S) Dibromofluoromethane				*104*	*100*	*76.3-123*				
(S) a,a,a-Trifluorotoluene				*98.2*	*101*	*87.2-117*				
(S) 4-Bromofluorobenzene				*96.6*	*97.3*	*69.7-129*				

L839347-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839347-01 06/09/16 20:19 • (MS) R3142715-4 06/09/16 18:01 • (MSD) R3142715-5 06/09/16 18:21

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.136	ND	0.109	0.106	80.0	77.7	1	10.0-130			3.02	31.5
Acrylonitrile	0.136	ND	0.113	0.103	82.6	75.8	1	39.3-152			8.56	27.2
Benzene	0.0273	ND	0.0211	0.0210	77.6	77.1	1	47.8-131			0.680	22.8
Bromobenzene	0.0273	ND	0.0187	0.0189	68.8	69.4	1	40.0-130			0.840	27.4
Bromodichloromethane	0.0273	ND	0.0207	0.0204	75.8	74.7	1	50.6-128			1.42	22.8
Bromoform	0.0273	ND	0.0199	0.0198	72.8	72.8	1	43.3-139			0.0800	25.9

L839347-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839347-01 06/09/16 20:19 • (MS) R3142715-4 06/09/16 18:01 • (MSD) R3142715-5 06/09/16 18:21

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromomethane	0.0273	ND	0.0204	0.0198	74.8	72.5	1	5.00-189			3.10	26.7
n-Butylbenzene	0.0273	ND	0.0160	0.0143	58.5	52.5	1	23.6-146			10.9	39.2
sec-Butylbenzene	0.0273	ND	0.0160	0.0149	58.5	54.7	1	31.0-142			6.76	34.7
tert-Butylbenzene	0.0273	ND	0.0174	0.0165	63.7	60.6	1	36.9-142			5.00	31.7
Carbon tetrachloride	0.0273	ND	0.0202	0.0199	74.2	72.9	1	46.0-140			1.71	27.2
Chlorobenzene	0.0273	ND	0.0185	0.0194	67.8	71.2	1	44.1-134			4.93	25.7
Chlorodibromomethane	0.0273	ND	0.0201	0.0205	73.7	75.4	1	49.7-134			2.17	24
Chloroethane	0.0273	ND	0.0208	0.0205	76.4	75.1	1	5.00-164			1.71	28.4
2-Chloroethyl vinyl ether	0.136	ND	0.114	0.110	83.5	81.1	1	5.00-159			2.95	40
Chloroform	0.0273	ND	0.0211	0.0207	77.4	75.8	1	51.2-133			2.08	22.8
Chloromethane	0.0273	ND	0.0198	0.0203	72.8	74.3	1	31.4-141			2.08	24.6
2-Chlorotoluene	0.0273	ND	0.0188	0.0186	69.1	68.4	1	36.1-137			1.11	28.9
4-Chlorotoluene	0.0273	ND	0.0179	0.0176	65.6	64.6	1	35.4-137			1.58	29.8
1,2-Dibromo-3-Chloropropane	0.0273	ND	0.0220	0.0197	80.6	72.2	1	40.4-138			11.0	30.8
1,2-Dibromoethane	0.0273	ND	0.0197	0.0206	72.3	75.5	1	50.2-133			4.29	23.6
Dibromomethane	0.0273	ND	0.0202	0.0198	74.3	72.6	1	52.4-128			2.33	23
1,2-Dichlorobenzene	0.0273	ND	0.0185	0.0178	67.8	65.4	1	34.6-139			3.52	29.9
1,3-Dichlorobenzene	0.0273	ND	0.0168	0.0165	61.8	60.5	1	28.4-142			2.08	31.2
1,4-Dichlorobenzene	0.0273	ND	0.0172	0.0167	63.1	61.4	1	35.0-133			2.81	31.1
Dichlorodifluoromethane	0.0273	ND	0.0225	0.0223	82.4	81.9	1	31.2-144			0.560	30.2
1,1-Dichloroethane	0.0273	ND	0.0217	0.0217	79.7	79.7	1	49.1-136			0.0300	22.9
1,2-Dichloroethane	0.0273	ND	0.0221	0.0216	80.9	79.3	1	47.1-129			2.04	22.7
1,1-Dichloroethene	0.0273	ND	0.0208	0.0209	76.2	76.8	1	36.1-142			0.820	25.6
cis-1,2-Dichloroethene	0.0273	ND	0.0209	0.0212	76.7	77.9	1	50.6-133			1.56	23
trans-1,2-Dichloroethene	0.0273	ND	0.0206	0.0206	75.5	75.7	1	43.8-135			0.250	24.8
1,2-Dichloropropane	0.0273	ND	0.0218	0.0217	80.0	79.6	1	50.3-134			0.570	22.7
1,1-Dichloropropene	0.0273	ND	0.0212	0.0207	77.6	76.0	1	43.0-137			2.16	26.4
1,3-Dichloropropane	0.0273	ND	0.0202	0.0207	74.3	76.1	1	51.4-127			2.43	23.1
cis-1,3-Dichloropropene	0.0273	ND	0.0207	0.0211	76.0	77.5	1	48.4-134			1.92	23.6
trans-1,3-Dichloropropene	0.0273	ND	0.0227	0.0215	83.1	79.0	1	46.6-135			5.15	25.3
2,2-Dichloropropane	0.0273	ND	0.0218	0.0214	79.8	78.4	1	45.2-141			1.84	26.6
Di-isopropyl ether	0.0273	ND	0.0213	0.0207	78.2	75.8	1	46.7-140			3.07	23.5
Ethylbenzene	0.0273	ND	0.0190	0.0193	69.7	71.0	1	44.8-135			1.74	26.9
Hexachloro-1,3-butadiene	0.0273	ND	0.0134	0.0113	49.3	41.5	1	10.0-149			17.3	40
Isopropylbenzene	0.0273	ND	0.0178	0.0175	65.4	64.3	1	41.9-139			1.64	29.3
p-Isopropyltoluene	0.0273	ND	0.0166	0.0155	60.8	56.9	1	27.3-146			6.71	35.1
2-Butanone (MEK)	0.136	ND	0.178	0.154	131	113	1	23.9-170			14.7	28.3
Methylene Chloride	0.0273	ND	0.0198	0.0197	72.5	72.5	1	46.7-125			0.0400	22.2
4-Methyl-2-pentanone (MIBK)	0.136	ND	0.119	0.109	87.1	79.7	1	42.4-146			8.88	26.7

L839347-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839347-01 06/09/16 20:19 • (MS) R3142715-4 06/09/16 18:01 • (MSD) R3142715-5 06/09/16 18:21

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	0.0273	ND	0.0220	0.0204	80.6	74.8	1	50.4-131			7.52	24.8
Naphthalene	0.0273	ND	0.0180	0.0169	66.0	61.9	1	18.4-145			6.39	34
n-Propylbenzene	0.0273	ND	0.0175	0.0171	64.3	62.7	1	35.2-139			2.52	31.9
Styrene	0.0273	ND	0.0195	0.0200	71.5	73.3	1	39.7-137			2.56	28.2
1,1,1,2-Tetrachloroethane	0.0273	ND	0.0200	0.0205	73.4	75.1	1	48.8-136			2.27	25.5
1,1,2,2-Tetrachloroethane	0.0273	ND	0.0199	0.0196	73.0	71.7	1	45.7-140			1.75	26.4
Tetrachloroethene	0.0273	ND	0.0181	0.0185	66.4	67.7	1	37.7-140			1.87	29.2
Toluene	0.0273	ND	0.0198	0.0198	72.5	72.8	1	47.8-127			0.350	24.3
1,1,2-Trichlorotrifluoroethane	0.0273	ND	0.0201	0.0200	73.9	73.3	1	35.7-146			0.800	28.8
1,2,3-Trichlorobenzene	0.0273	ND	0.0155	0.0142	57.0	52.1	1	10.0-150			8.87	38.5
1,2,4-Trichlorobenzene	0.0273	ND	0.0156	0.0139	57.1	51.2	1	10.0-153			11.0	39.3
1,1,1-Trichloroethane	0.0273	ND	0.0211	0.0209	77.4	76.5	1	49.0-138			1.18	25.3
1,1,2-Trichloroethane	0.0273	ND	0.0195	0.0202	71.7	74.2	1	52.3-132			3.38	23.4
Trichloroethene	0.0273	ND	0.0201	0.0199	73.6	73.0	1	48.0-132			0.800	24.8
Trichlorofluoromethane	0.0273	ND	0.0213	0.0215	78.0	78.9	1	12.8-169			1.14	29.7
1,2,3-Trichloropropane	0.0273	ND	0.0211	0.0204	77.6	74.7	1	44.4-138			3.76	26.3
1,2,3-Trimethylbenzene	0.0273	ND	0.0184	0.0177	67.6	65.0	1	41.0-133			3.96	27.6
1,2,4-Trimethylbenzene	0.0273	ND	0.0179	0.0172	65.8	62.9	1	32.9-139			4.51	30.6
1,3,5-Trimethylbenzene	0.0273	ND	0.0173	0.0166	63.4	60.8	1	37.1-138			4.17	30.6
Vinyl chloride	0.0273	ND	0.0219	0.0218	80.4	80.1	1	32.0-146			0.350	26.3
Xylenes, Total	0.0818	ND	0.0555	0.0555	67.9	67.9	1	42.7-135			0.0800	26.6
(S) Toluene-d8					*104*	*102*		*88.7-115*				
(S) Dibromofluoromethane					*105*	*104*		*76.3-123*				
(S) a,a,a-Trifluorotoluene					*96.7*	*95.6*		*87.2-117*				
(S) 4-Bromofluorobenzene					*94.2*	*97.4*		*69.7-129*				

Method Blank (MB)

(MB) R3142246-3 06/07/16 22:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Trichloroethene	U		0.000279	0.00100
(S) Toluene-d8	*103*			*88.7-115*
(S) Dibromofluoromethane	*103*			*76.3-123*
(S) a,a,a-Trifluorotoluene	*103*			*87.2-117*
(S) 4-Bromofluorobenzene	*97.5*			*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142246-1 06/07/16 21:17 • (LCSD) R3142246-2 06/07/16 21:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Trichloroethene	0.0250	0.0282	0.0282	113	113	77.2-122			0.270	20
(S) Toluene-d8				*103*	*104*	*88.7-115*				
(S) Dibromofluoromethane				*101*	*102*	*76.3-123*				
(S) a,a,a-Trifluorotoluene				*103*	*102*	*87.2-117*				
(S) 4-Bromofluorobenzene				*95.9*	*95.8*	*69.7-129*				

L839097-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839097-01 06/08/16 05:07 • (MS) R3142246-4 06/07/16 23:27 • (MSD) R3142246-5 06/07/16 23:46

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Trichloroethene	0.0250	ND	0.0987	0.105	79.0	84.3	5	48.0-132			6.47	24.8
(S) Toluene-d8					*103*	*104*		*88.7-115*				
(S) Dibromofluoromethane					*101*	*101*		*76.3-123*				
(S) a,a,a-Trifluorotoluene					*101*	*103*		*87.2-117*				
(S) 4-Bromofluorobenzene					*97.2*	*95.9*		*69.7-129*				

Method Blank (MB)

(MB) R3142806-3 06/10/16 04:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Naphthalene	U		0.00100	0.00500
(S) Toluene-d8	*105*			*88.7-115*
(S) Dibromofluoromethane	*107*			*76.3-123*
(S) a,a,a-Trifluorotoluene	*101*			*87.2-117*
(S) 4-Bromofluorobenzene	*97.0*			*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142806-1 06/10/16 02:47 • (LCSD) R3142806-2 06/10/16 03:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.0250	0.0195	0.0216	77.9	86.2	69.9-132			10.1	20
(S) Toluene-d8				*104*	*104*	*88.7-115*				
(S) Dibromofluoromethane				*105*	*105*	*76.3-123*				
(S) a,a,a-Trifluorotoluene				*99.4*	*100*	*87.2-117*				
(S) 4-Bromofluorobenzene				*96.6*	*96.8*	*69.7-129*				

L839660-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839660-06 06/10/16 07:51 • (MS) R3142806-4 06/10/16 12:33 • (MSD) R3142806-5 06/10/16 12:52

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.0250	ND	0.0984	0.100	78.7	80.3	5	18.4-145			2.06	34
(S) Toluene-d8					*105*	*105*		*88.7-115*				
(S) Dibromofluoromethane					*105*	*104*		*76.3-123*				
(S) a,a,a-Trifluorotoluene					*99.8*	*101*		*87.2-117*				
(S) 4-Bromofluorobenzene					*98.0*	*99.0*		*69.7-129*				

Method Blank (MB)

(MB) R3141962-3 06/06/16 22:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Acrolein	U		8.87	50.0
Acrylonitrile	U		1.87	10.0
Benzene	U		0.331	1.00
Bromobenzene	U		0.352	1.00
Bromodichloromethane	U		0.380	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
2-Chloroethyl vinyl ether	U		3.01	50.0
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
2-Chlorotoluene	U		0.375	1.00
4-Chlorotoluene	U		0.351	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
Dibromomethane	U		0.346	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
1,1-Dichloropropene	U		0.352	1.00
1,3-Dichloropropane	U		0.366	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
2,2-Dichloropropane	U		0.321	1.00
Di-isopropyl ether	U		0.320	1.00
Ethylbenzene	U		0.384	1.00

Method Blank (MB)

(MB) R3141962-3 06/06/16 22:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.256	1.00
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methylene Chloride	U		1.00	5.00
Methyl tert-butyl ether	U		0.367	1.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0
Naphthalene	U		1.00	5.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
n-Propylbenzene	U		0.349	1.00
Tetrachloroethene	U		0.372	1.00
Styrene	U		0.307	1.00
1,1,1,2-Tetrachloroethane	U		0.385	1.00
Toluene	U		0.780	5.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	0.250	J	0.230	1.00
Trichloroethene	U		0.398	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,3-Trichloropropane	U		0.807	2.50
1,2,3-Trimethylbenzene	U		0.321	1.00
1,2,4-Trimethylbenzene	U		0.373	1.00
Vinyl chloride	U		0.259	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*96.1*			*90.0-115*
(S) Dibromofluoromethane	*93.5*			*79.0-121*
(S) 4-Bromofluorobenzene	*87.8*			*80.1-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3141962-1 06/06/16 20:49 • (LCSD) R3141962-2 06/06/16 21:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	65.4	65.7	52.3	52.5	28.7-175			0.420	20.9
Acrolein	125	88.0	85.9	70.4	68.7	40.4-172			2.50	20
Acrylonitrile	125	123	126	98.8	101	58.2-145			2.04	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3141962-1 06/06/16 20:49 • (LCSD) R3141962-2 06/06/16 21:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	25.0	23.1	22.5	92.6	89.9	73.0-122			2.92	20
Bromobenzene	25.0	24.3	23.6	97.0	94.5	81.5-115			2.62	20
Bromodichloromethane	25.0	23.6	23.2	94.6	92.8	75.5-121			1.95	20
Bromoform	25.0	32.2	32.2	129	129	71.5-131			0.0100	20
Bromomethane	25.0	30.6	29.3	122	117	22.4-187			4.03	20
n-Butylbenzene	25.0	23.7	22.8	94.9	91.3	75.9-134			3.82	20
sec-Butylbenzene	25.0	25.1	24.0	100	96.0	80.6-126			4.41	20
tert-Butylbenzene	25.0	26.0	24.8	104	99.4	79.3-127			4.44	20
Carbon tetrachloride	25.0	18.9	17.7	75.7	70.6	70.9-129		J4	6.88	20
Chlorobenzene	25.0	28.8	28.1	115	112	79.7-122			2.61	20
Chlorodibromomethane	25.0	29.0	28.7	116	115	78.2-124			1.14	20
Chloroethane	25.0	28.5	27.2	114	109	41.2-153			4.57	20
2-Chloroethyl vinyl ether	125	185	183	148	146	23.4-162			1.35	23.5
Chloroform	25.0	21.9	21.1	87.7	84.5	73.2-125			3.72	20
Chloromethane	25.0	24.4	23.4	97.4	93.6	55.8-134			4.06	20
2-Chlorotoluene	25.0	28.5	27.4	114	110	76.4-125			3.88	20
4-Chlorotoluene	25.0	25.0	24.4	100	97.7	81.5-121			2.40	20
1,2-Dibromo-3-Chloropropane	25.0	29.3	28.8	117	115	64.8-131			1.88	20
1,2-Dibromoethane	25.0	28.2	28.0	113	112	79.8-122			0.470	20
1,2-Dichlorobenzene	25.0	26.6	26.2	107	105	84.7-118			1.64	20
Dibromomethane	25.0	25.8	25.1	103	101	79.5-118			2.66	20
1,3-Dichlorobenzene	25.0	27.4	26.6	110	106	77.6-127			3.08	20
1,4-Dichlorobenzene	25.0	27.1	26.2	108	105	82.2-114			3.32	20
Dichlorodifluoromethane	25.0	25.1	24.9	100	99.4	56.0-134			0.900	20
1,1-Dichloroethane	25.0	23.1	22.1	92.4	88.4	71.7-127			4.37	20
1,2-Dichloroethane	25.0	20.5	20.0	82.1	80.1	65.3-126			2.39	20
1,1-Dichloroethene	25.0	21.9	20.7	87.4	82.9	59.9-137			5.30	20
cis-1,2-Dichloroethene	25.0	24.2	23.1	96.6	92.5	77.3-122			4.32	20
trans-1,2-Dichloroethene	25.0	23.9	22.5	95.5	90.0	72.6-125			6.02	20
1,2-Dichloropropane	25.0	26.2	26.0	105	104	77.4-125			0.750	20
1,1-Dichloropropene	25.0	23.8	22.8	95.3	91.3	72.5-127			4.32	20
1,3-Dichloropropane	25.0	28.1	28.0	112	112	80.6-115			0.150	20
cis-1,3-Dichloropropene	25.0	26.8	26.1	107	104	77.7-124			2.76	20
trans-1,3-Dichloropropene	25.0	26.2	25.6	105	103	73.5-127			2.29	20
2,2-Dichloropropane	25.0	23.8	20.4	95.1	81.5	61.3-134			15.4	20
Di-isopropyl ether	25.0	21.7	21.1	86.7	84.4	65.1-135			2.76	20
Ethylbenzene	25.0	27.4	26.4	110	106	80.9-121			3.67	20
Hexachloro-1,3-butadiene	25.0	27.7	26.4	111	106	73.7-133			4.82	20
Isopropylbenzene	25.0	25.9	24.8	104	99.4	81.6-124			4.23	20
p-Isopropyltoluene	25.0	26.2	25.5	105	102	77.6-129			2.53	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3141962-1 06/06/16 20:49 • (LCSD) R3141962-2 06/06/16 21:09

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Butanone (MEK)	125	106	106	84.9	84.4	46.4-155			0.610	20
Methylene Chloride	25.0	22.9	22.2	91.5	88.7	69.5-120			3.10	20
4-Methyl-2-pentanone (MIBK)	125	139	140	111	112	63.3-138			0.380	20
Methyl tert-butyl ether	25.0	20.9	20.5	83.7	82.0	70.1-125			2.15	20
Naphthalene	25.0	24.8	24.1	99.0	96.2	69.7-134			2.87	20
n-Propylbenzene	25.0	26.1	25.3	104	101	81.9-122			3.06	20
Styrene	25.0	27.6	27.0	110	108	79.9-124			2.32	20
1,1,1,2-Tetrachloroethane	25.0	28.6	27.2	115	109	78.5-125			4.99	20
1,1,2,2-Tetrachloroethane	25.0	27.4	26.8	109	107	79.3-123			2.19	20
Tetrachloroethene	25.0	29.6	28.5	118	114	73.5-130			3.78	20
Toluene	25.0	24.9	24.1	99.5	96.5	77.9-116			3.05	20
1,1,2-Trichlorotrifluoroethane	25.0	24.1	21.4	96.5	85.5	62.0-141			12.1	20
1,2,3-Trichlorobenzene	25.0	26.5	25.5	106	102	75.7-134			4.06	20
1,1,1-Trichloroethane	25.0	20.4	19.1	81.7	76.4	71.1-129			6.65	20
1,2,4-Trichlorobenzene	25.0	27.1	26.4	108	105	76.1-136			2.75	20
1,1,2-Trichloroethane	25.0	27.3	26.9	109	107	81.6-120			1.51	20
Trichloroethene	25.0	27.1	26.3	108	105	79.5-121			2.93	20
Trichlorofluoromethane	25.0	24.4	23.2	97.5	92.8	49.1-157			4.95	20
1,2,3-Trichloropropane	25.0	26.6	26.5	106	106	74.9-124			0.210	20
1,2,3-Trimethylbenzene	25.0	24.0	23.1	95.8	92.6	79.9-118			3.46	20
1,2,4-Trimethylbenzene	25.0	24.9	24.1	99.4	96.4	79.0-122			3.09	20
1,3,5-Trimethylbenzene	25.0	24.6	23.8	98.6	95.2	81.0-123			3.49	20
Vinyl chloride	25.0	24.8	24.1	99.0	96.4	61.5-134			2.70	20
Xylenes, Total	75.0	81.3	78.9	108	105	79.2-122			2.97	20
(S) Toluene-d8				*96.6*	*97.3*	*90.0-115*				
(S) Dibromofluoromethane				*91.1*	*90.8*	*79.0-121*				
(S) 4-Bromofluorobenzene				*86.1*	*86.3*	*80.1-120*				

L838397-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L838397-07 06/07/16 00:52 • (MS) R3141962-4 06/06/16 22:30 • (MSD) R3141962-5 06/06/16 22:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	125	U	43.1	46.2	34.5	36.9	1	25.0-156			6.96	21.5
Acrolein	125	U	106	116	84.7	92.6	1	34.0-194			8.85	21.5
Acrylonitrile	125	U	124	135	98.8	108	1	55.9-161			8.75	20
Benzene	25.0	U	20.4	20.9	81.4	83.5	1	58.6-133			2.54	20
Bromobenzene	25.0	U	21.7	22.4	86.9	89.5	1	70.6-125			2.91	20
Bromodichloromethane	25.0	U	21.7	21.9	86.8	87.6	1	69.2-127			0.830	20

L838397-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L838397-07 06/07/16 00:52 • (MS) R3141962-4 06/06/16 22:30 • (MSD) R3141962-5 06/06/16 22:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromoform	25.0	U	30.3	31.7	121	127	1	66.3-140			4.60	20
Bromomethane	25.0	U	23.2	24.1	92.7	96.5	1	16.6-183			3.98	20.5
n-Butylbenzene	25.0	U	21.4	22.3	85.7	89.1	1	64.8-145			3.92	20
sec-Butylbenzene	25.0	U	21.8	23.4	87.1	93.4	1	66.8-139			6.99	20
tert-Butylbenzene	25.0	U	22.6	24.2	90.4	96.8	1	67.1-138			6.80	20
Carbon tetrachloride	25.0	U	16.6	17.5	66.3	70.0	1	60.6-139			5.38	20
Chlorobenzene	25.0	U	25.4	25.8	101	103	1	70.1-130			1.75	20
Chlorodibromomethane	25.0	U	26.7	27.4	107	110	1	71.6-132			2.50	20
Chloroethane	25.0	U	22.6	23.5	90.4	93.9	1	33.3-155			3.81	20
2-Chloroethyl vinyl ether	125	U	19.2	8.59	15.3	6.87	1	5.00-149		J3	76.2	40
Chloroform	25.0	U	20.0	20.5	79.8	81.9	1	66.1-133			2.49	20
Chloromethane	25.0	U	17.6	18.3	70.4	73.4	1	40.7-139			4.04	20
2-Chlorotoluene	25.0	U	24.9	26.4	99.7	106	1	66.9-134			5.88	20
4-Chlorotoluene	25.0	U	22.3	23.1	89.2	92.3	1	66.8-134			3.46	20
1,2-Dibromo-3-Chloropropane	25.0	U	28.5	30.4	114	121	1	63.9-142			6.21	20.2
1,2-Dibromoethane	25.0	U	26.2	26.5	105	106	1	73.8-131			0.840	20
1,2-Dichlorobenzene	25.0	U	24.4	25.4	97.7	101	1	77.4-127			3.80	20
Dibromomethane	25.0	U	23.5	24.1	94.2	96.5	1	72.8-127			2.42	20
1,3-Dichlorobenzene	25.0	U	24.9	25.7	99.8	103	1	67.9-136			3.15	20
1,4-Dichlorobenzene	25.0	U	24.6	25.4	98.6	101	1	74.4-123			2.85	20
Dichlorodifluoromethane	25.0	U	19.9	20.3	79.6	81.4	1	42.2-146			2.14	20
1,1-Dichloroethane	25.0	U	20.4	21.2	81.8	84.6	1	64.0-134			3.41	20
1,2-Dichloroethane	25.0	U	18.6	19.3	74.6	77.2	1	60.7-132			3.44	20
1,1-Dichloroethene	25.0	U	17.9	18.1	71.4	72.6	1	48.8-144			1.62	20
cis-1,2-Dichloroethene	25.0	U	21.4	22.2	85.8	88.7	1	60.6-136			3.32	20
trans-1,2-Dichloroethene	25.0	U	19.8	20.0	79.4	79.9	1	61.0-132			0.680	20
1,2-Dichloropropane	25.0	U	23.6	24.6	94.3	98.2	1	69.7-130			4.08	20
1,1-Dichloropropene	25.0	U	20.1	20.7	80.4	82.8	1	61.5-136			3.01	20
1,3-Dichloropropane	25.0	U	26.3	26.5	105	106	1	74.3-123			0.840	20
cis-1,3-Dichloropropene	25.0	U	24.5	24.2	98.0	96.8	1	71.1-129			1.26	20
trans-1,3-Dichloropropene	25.0	0.578	24.5	24.3	95.6	94.7	1	66.3-136			0.930	20
2,2-Dichloropropane	25.0	U	21.3	21.6	85.0	86.6	1	54.9-142			1.81	20
Di-isopropyl ether	25.0	U	19.7	21.1	78.7	84.5	1	59.9-140			7.08	20
Ethylbenzene	25.0	U	23.8	24.2	95.3	97.0	1	62.7-136			1.74	20
Hexachloro-1,3-butadiene	25.0	U	25.5	26.3	102	105	1	61.1-144			3.19	20.1
Isopropylbenzene	25.0	U	22.2	23.6	88.7	94.4	1	67.4-136			6.26	20
p-Isopropyltoluene	25.0	U	23.1	24.7	92.2	98.9	1	62.8-143			6.99	20
2-Butanone (MEK)	125	U	84.1	89.5	67.3	71.6	1	45.0-156			6.17	20.8
Methylene Chloride	25.0	U	19.9	20.8	79.4	83.1	1	61.5-125			4.55	20
4-Methyl-2-pentanone (MIBK)	125	U	131	139	104	111	1	60.7-150			6.28	20

L838397-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L838397-07 06/07/16 00:52 • (MS) R3141962-4 06/06/16 22:30 • (MSD) R3141962-5 06/06/16 22:50

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	25.0	U	19.5	21.0	78.0	84.2	1	61.4-136			7.59	20
Naphthalene	25.0	U	23.8	25.6	95.0	103	1	61.8-143			7.56	20
n-Propylbenzene	25.0	U	23.0	24.0	92.0	95.9	1	63.2-139			4.14	20
Styrene	25.0	U	24.8	25.0	99.0	100	1	68.2-133			0.950	20
1,1,1,2-Tetrachloroethane	25.0	U	25.0	26.7	100	107	1	70.5-132			6.47	20
1,1,2,2-Tetrachloroethane	25.0	U	26.0	27.9	104	112	1	64.9-145			7.03	20
Tetrachloroethene	25.0	U	25.1	25.2	101	101	1	57.4-141			0.160	20
Toluene	25.0	U	22.0	21.9	88.0	87.6	1	67.8-124			0.410	20
1,1,2-Trichlorotrifluoroethane	25.0	U	21.7	22.3	86.9	89.2	1	53.7-150			2.57	20
1,2,3-Trichlorobenzene	25.0	U	24.9	26.8	99.8	107	1	65.7-143			7.28	20
1,1,1-Trichloroethane	25.0	U	18.2	19.2	72.8	76.8	1	58.7-134			5.27	20
1,2,4-Trichlorobenzene	25.0	U	25.5	26.8	102	107	1	67.0-146			5.06	20
1,1,2-Trichloroethane	25.0	U	25.6	26.0	102	104	1	74.1-130			1.60	20
Trichloroethene	25.0	U	23.3	23.2	93.3	92.6	1	48.9-148			0.780	20
Trichlorofluoromethane	25.0	U	20.3	21.3	81.0	85.3	1	39.9-165			5.18	20
1,2,3-Trichloropropane	25.0	U	26.0	27.2	104	109	1	71.5-134			4.63	20
1,2,3-Trimethylbenzene	25.0	U	21.3	22.2	85.4	88.7	1	62.7-133			3.86	20
1,2,4-Trimethylbenzene	25.0	U	21.9	23.3	87.7	93.3	1	60.5-137			6.18	20
1,3,5-Trimethylbenzene	25.0	U	21.4	22.7	85.4	90.7	1	67.9-134			6.01	20
Vinyl chloride	25.0	U	18.9	19.9	75.7	79.5	1	44.3-143			4.87	20
Xylenes, Total	75.0	U	71.4	72.2	95.2	96.3	1	65.6-133			1.14	20
(S) Toluene-d8					*97.1*	*96.0*		*90.0-115*				
(S) Dibromofluoromethane					*92.5*	*93.6*		*79.0-121*				
(S) 4-Bromofluorobenzene					*86.3*	*87.6*		*80.1-120*				

Method Blank (MB)

(MB) R3142079-3 06/06/16 20:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		10.0	50.0
Acrolein	U		8.87	50.0
Acrylonitrile	U		1.87	10.0
Benzene	U		0.331	1.00
Bromobenzene	U		0.352	1.00
Bromodichloromethane	U		0.380	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
2-Chloroethyl vinyl ether	U		3.01	50.0
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
2-Chlorotoluene	U		0.375	1.00
4-Chlorotoluene	U		0.351	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
Dibromomethane	U		0.346	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
1,1-Dichloropropene	U		0.352	1.00
1,3-Dichloropropane	U		0.366	1.00
cis-1,3-Dichloropropene	U		0.418	1.00
trans-1,3-Dichloropropene	U		0.419	1.00
2,2-Dichloropropane	U		0.321	1.00
Di-isopropyl ether	U		0.320	1.00
Ethylbenzene	U		0.384	1.00

Method Blank (MB)

(MB) R3142079-3 06/06/16 20:40

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Hexachloro-1,3-butadiene	U		0.256	1.00
Isopropylbenzene	U		0.326	1.00
p-Isopropyltoluene	U		0.350	1.00
2-Butanone (MEK)	U		3.93	10.0
Methylene Chloride	U		1.00	5.00
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0
Methyl tert-butyl ether	U		0.367	1.00
Naphthalene	U		1.00	5.00
n-Propylbenzene	U		0.349	1.00
Styrene	U		0.307	1.00
1,1,1,2-Tetrachloroethane	U		0.385	1.00
1,1,2,2-Tetrachloroethane	U		0.130	1.00
Tetrachloroethene	U		0.372	1.00
Toluene	U		0.780	5.00
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.355	1.00
1,1,1-Trichloroethane	U		0.319	1.00
1,1,2-Trichloroethane	U		0.383	1.00
Trichloroethene	U		0.398	1.00
Trichlorofluoromethane	U		1.20	5.00
1,2,3-Trichloropropane	U		0.807	2.50
1,2,3-Trimethylbenzene	U		0.321	1.00
1,2,4-Trimethylbenzene	U		0.373	1.00
1,3,5-Trimethylbenzene	U		0.387	1.00
Vinyl chloride	U		0.259	1.00
Xylenes, Total	U		1.06	3.00
(S) Toluene-d8	*107*			*90.0-115*
(S) Dibromofluoromethane	*97.4*			*79.0-121*
(S) 4-Bromofluorobenzene	*98.3*			*80.1-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142079-1 06/06/16 18:38 • (LCSD) R3142079-2 06/06/16 19:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	125	107	107	86.0	85.9	28.7-175			0.0500	20.9
Acrolein	125	154	151	123	121	40.4-172			1.62	20
Acrylonitrile	125	130	131	104	105	58.2-145			0.480	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142079-1 06/06/16 18:38 • (LCSD) R3142079-2 06/06/16 19:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	25.0	22.6	22.6	90.6	90.4	73.0-122			0.200	20
Bromobenzene	25.0	22.6	23.0	90.5	92.1	81.5-115			1.80	20
Bromodichloromethane	25.0	23.2	22.8	92.9	91.1	75.5-121			1.95	20
Bromoform	25.0	26.1	25.2	104	101	71.5-131			3.58	20
Bromomethane	25.0	27.0	26.1	108	105	22.4-187			3.30	20
n-Butylbenzene	25.0	21.6	21.6	86.3	86.5	75.9-134			0.300	20
sec-Butylbenzene	25.0	21.4	20.8	85.5	83.4	80.6-126			2.47	20
tert-Butylbenzene	25.0	21.0	21.0	84.2	83.9	79.3-127			0.310	20
Carbon tetrachloride	25.0	18.7	18.6	74.6	74.5	70.9-129			0.140	20
Chlorobenzene	25.0	22.2	22.4	88.6	89.5	79.7-122			0.920	20
Chlorodibromomethane	25.0	22.9	22.8	91.7	91.0	78.2-124			0.790	20
Chloroethane	25.0	22.8	21.5	91.1	86.0	41.2-153			5.80	20
2-Chloroethyl vinyl ether	125	76.6	76.3	61.3	61.0	23.4-162			0.420	23.5
Chloroform	25.0	21.9	21.6	87.8	86.5	73.2-125			1.47	20
Chloromethane	25.0	23.9	23.3	95.8	93.2	55.8-134			2.68	20
2-Chlorotoluene	25.0	18.1	20.3	72.5	81.0	76.4-125	J4		11.2	20
4-Chlorotoluene	25.0	21.9	21.9	87.4	87.5	81.5-121			0.110	20
1,2-Dibromo-3-Chloropropane	25.0	22.8	23.0	91.0	92.0	64.8-131			1.11	20
1,2-Dibromoethane	25.0	23.5	24.1	94.1	96.2	79.8-122			2.23	20
Dibromomethane	25.0	25.7	25.7	103	103	79.5-118			0.0300	20
1,2-Dichlorobenzene	25.0	22.4	22.4	89.6	89.7	84.7-118			0.150	20
1,3-Dichlorobenzene	25.0	22.8	23.1	91.3	92.4	77.6-127			1.17	20
1,4-Dichlorobenzene	25.0	22.1	22.4	88.6	89.4	82.2-114			0.950	20
Dichlorodifluoromethane	25.0	26.1	24.9	104	99.6	56.0-134			4.67	20
1,1-Dichloroethane	25.0	23.8	23.2	95.3	92.7	71.7-127			2.81	20
1,2-Dichloroethane	25.0	23.3	23.5	93.2	93.9	65.3-126			0.670	20
1,1-Dichloroethene	25.0	22.4	21.0	89.4	84.0	59.9-137			6.30	20
cis-1,2-Dichloroethene	25.0	22.3	22.7	89.3	90.8	77.3-122			1.75	20
trans-1,2-Dichloroethene	25.0	21.2	20.7	84.7	82.8	72.6-125			2.38	20
1,2-Dichloropropane	25.0	26.6	26.8	106	107	77.4-125			0.780	20
1,1-Dichloropropene	25.0	21.0	21.1	84.1	84.3	72.5-127			0.270	20
1,3-Dichloropropane	25.0	24.8	24.8	99.3	99.1	80.6-115			0.190	20
cis-1,3-Dichloropropene	25.0	26.7	26.6	107	107	77.7-124			0.330	20
trans-1,3-Dichloropropene	25.0	25.6	26.8	102	107	73.5-127			4.50	20
2,2-Dichloropropane	25.0	20.2	20.0	80.7	80.0	61.3-134			0.800	20
Di-isopropyl ether	25.0	26.1	25.7	104	103	65.1-135			1.57	20
Ethylbenzene	25.0	21.4	21.4	85.4	85.5	80.9-121			0.0300	20
Hexachloro-1,3-butadiene	25.0	25.0	25.1	100	101	73.7-133			0.500	20
Isopropylbenzene	25.0	20.7	20.7	83.0	82.7	81.6-124			0.340	20
p-Isopropyltoluene	25.0	21.4	21.6	85.4	86.4	77.6-129			1.10	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142079-1 06/06/16 18:38 • (LCSD) R3142079-2 06/06/16 19:03

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Butanone (MEK)	125	140	142	112	114	46.4-155			1.46	20
Methylene Chloride	25.0	22.4	21.8	89.4	87.4	69.5-120			2.32	20
4-Methyl-2-pentanone (MIBK)	125	151	153	121	122	63.3-138			0.860	20
Methyl tert-butyl ether	25.0	25.4	24.9	102	99.5	70.1-125			2.23	20
Naphthalene	25.0	23.6	23.9	94.4	95.6	69.7-134			1.27	20
n-Propylbenzene	25.0	21.5	21.9	85.9	87.6	81.9-122			1.93	20
Styrene	25.0	23.8	23.9	95.1	95.4	79.9-124			0.320	20
1,1,1,2-Tetrachloroethane	25.0	21.4	21.3	85.7	85.3	78.5-125			0.460	20
1,1,2,2-Tetrachloroethane	25.0	25.0	25.5	100	102	79.3-123			1.71	20
Tetrachloroethene	25.0	21.4	22.0	85.8	87.9	73.5-130			2.50	20
Toluene	25.0	22.3	22.4	89.3	89.5	77.9-116			0.220	20
1,1,2-Trichlorotrifluoroethane	25.0	20.2	19.8	81.0	79.2	62.0-141			2.26	20
1,2,3-Trichlorobenzene	25.0	24.7	24.8	98.7	99.1	75.7-134			0.420	20
1,2,4-Trichlorobenzene	25.0	25.1	25.1	100	101	76.1-136			0.210	20
1,1,1-Trichloroethane	25.0	18.9	19.0	75.7	76.1	71.1-129			0.580	20
1,1,2-Trichloroethane	25.0	23.6	23.7	94.4	94.7	81.6-120			0.290	20
Trichloroethene	25.0	22.4	22.1	89.4	88.6	79.5-121			0.970	20
Trichlorofluoromethane	25.0	18.9	18.5	75.4	74.0	49.1-157			1.89	20
1,2,3-Trichloropropane	25.0	21.6	22.3	86.2	89.3	74.9-124			3.54	20
1,2,3-Trimethylbenzene	25.0	21.5	21.7	85.8	86.9	79.9-118			1.26	20
1,2,4-Trimethylbenzene	25.0	21.3	21.5	85.1	86.1	79.0-122			1.13	20
1,3,5-Trimethylbenzene	25.0	21.6	21.4	86.3	85.4	81.0-123			1.00	20
Vinyl chloride	25.0	24.4	24.0	97.4	96.0	61.5-134			1.47	20
Xylenes, Total	75.0	65.5	65.7	87.4	87.5	79.2-122			0.180	20
(S) Toluene-d8				*107*	*107*	*90.0-115*				
(S) Dibromofluoromethane				*95.8*	*96.2*	*79.0-121*				
(S) 4-Bromofluorobenzene				*98.0*	*99.2*	*80.1-120*				

L839102-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839102-10 06/07/16 04:04 • (MS) R3142079-4 06/06/16 22:23 • (MSD) R3142079-5 06/06/16 22:47

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	125	ND	76.6	76.2	61.3	61.0	1	25.0-156			0.520	21.5
Acrolein	125	ND	204	195	163	156	1	34.0-194			4.28	21.5
Acrylonitrile	125	ND	147	150	117	120	1	55.9-161			2.03	20
Benzene	25.0	ND	22.2	22.5	88.8	90.1	1	58.6-133			1.44	20
Bromobenzene	25.0	ND	22.5	23.3	89.9	93.3	1	70.6-125			3.76	20
Bromodichloromethane	25.0	ND	22.8	23.4	91.4	93.5	1	69.2-127			2.33	20

L839102-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839102-10 06/07/16 04:04 • (MS) R3142079-4 06/06/16 22:23 • (MSD) R3142079-5 06/06/16 22:47

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromoform	25.0	ND	26.7	27.2	107	109	1	66.3-140			1.88	20
Bromomethane	25.0	ND	24.0	23.0	95.9	91.9	1	16.6-183			4.21	20.5
n-Butylbenzene	25.0	ND	22.2	22.7	88.7	91.0	1	64.8-145			2.54	20
sec-Butylbenzene	25.0	ND	21.5	22.4	85.8	89.7	1	66.8-139			4.36	20
tert-Butylbenzene	25.0	ND	21.3	22.4	85.4	89.4	1	67.1-138			4.68	20
Carbon tetrachloride	25.0	ND	18.1	19.1	72.6	76.4	1	60.6-139			5.11	20
Chlorobenzene	25.0	ND	22.0	22.8	87.8	91.1	1	70.1-130			3.67	20
Chlorodibromomethane	25.0	ND	22.6	23.3	90.2	93.2	1	71.6-132			3.27	20
Chloroethane	25.0	ND	19.3	19.1	77.2	76.4	1	33.3-155			1.04	20
2-Chloroethyl vinyl ether	125	ND	6.67	ND	5.33	0.000	1	5.00-149		J3 J6	200	40
Chloroform	25.0	ND	22.1	22.2	88.3	88.6	1	66.1-133			0.340	20
Chloromethane	25.0	ND	19.8	19.4	79.3	77.5	1	40.7-139			2.32	20
2-Chlorotoluene	25.0	ND	17.6	20.3	70.3	81.1	1	66.9-134			14.3	20
4-Chlorotoluene	25.0	ND	21.9	22.7	87.5	90.6	1	66.8-134			3.48	20
1,2-Dibromo-3-Chloropropane	25.0	ND	25.2	25.7	101	103	1	63.9-142			2.13	20.2
1,2-Dibromoethane	25.0	ND	23.5	24.2	93.9	96.8	1	73.8-131			2.99	20
Dibromomethane	25.0	ND	24.6	25.4	98.5	102	1	72.8-127			2.98	20
1,2-Dichlorobenzene	25.0	ND	22.7	23.4	90.8	93.7	1	77.4-127			3.21	20
1,3-Dichlorobenzene	25.0	ND	23.2	24.2	92.6	96.6	1	67.9-136			4.19	20
1,4-Dichlorobenzene	25.0	ND	22.7	23.0	90.7	92.1	1	74.4-123			1.44	20
Dichlorodifluoromethane	25.0	ND	22.4	22.3	89.8	89.1	1	42.2-146			0.700	20
1,1-Dichloroethane	25.0	ND	23.6	23.8	94.4	95.2	1	64.0-134			0.870	20
1,2-Dichloroethane	25.0	ND	23.8	23.9	95.3	95.5	1	60.7-132			0.240	20
1,1-Dichloroethene	25.0	ND	20.1	20.3	80.4	81.2	1	48.8-144			1.02	20
cis-1,2-Dichloroethene	25.0	ND	21.9	22.5	87.7	90.2	1	60.6-136			2.76	20
trans-1,2-Dichloroethene	25.0	ND	19.2	19.7	76.7	78.8	1	61.0-132			2.75	20
1,2-Dichloropropane	25.0	ND	26.0	27.3	104	109	1	69.7-130			4.52	20
1,1-Dichloropropene	25.0	ND	20.5	20.3	81.8	81.3	1	61.5-136			0.610	20
1,3-Dichloropropane	25.0	ND	25.1	25.1	100	101	1	74.3-123			0.340	20
cis-1,3-Dichloropropene	25.0	ND	25.6	26.5	102	106	1	71.1-129			3.59	20
trans-1,3-Dichloropropene	25.0	ND	25.4	26.2	102	105	1	66.3-136			3.09	20
2,2-Dichloropropane	25.0	ND	21.2	21.4	84.8	85.6	1	54.9-142			0.900	20
Di-isopropyl ether	25.0	ND	26.1	26.2	104	105	1	59.9-140			0.560	20
Ethylbenzene	25.0	ND	21.1	21.5	84.5	85.9	1	62.7-136			1.70	20
Hexachloro-1,3-butadiene	25.0	ND	26.4	26.7	106	107	1	61.1-144			1.29	20.1
Isopropylbenzene	25.0	ND	20.7	21.7	82.9	86.8	1	67.4-136			4.58	20
p-Isopropyltoluene	25.0	ND	21.8	22.3	87.2	89.4	1	62.8-143			2.45	20
2-Butanone (MEK)	125	ND	128	126	103	101	1	45.0-156			1.63	20.8
Methylene Chloride	25.0	ND	21.4	21.5	85.7	85.9	1	61.5-125			0.240	20
4-Methyl-2-pentanone (MIBK)	125	ND	157	160	125	128	1	60.7-150			2.23	20

L839102-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839102-10 06/07/16 04:04 • (MS) R3142079-4 06/06/16 22:23 • (MSD) R3142079-5 06/06/16 22:47

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	25.0	ND	25.5	26.4	102	106	1	61.4-136			3.45	20
Naphthalene	25.0	ND	24.8	25.5	99.1	102	1	61.8-143			2.78	20
n-Propylbenzene	25.0	ND	22.0	22.8	88.1	91.3	1	63.2-139			3.55	20
Styrene	25.0	ND	23.6	24.7	94.3	98.7	1	68.2-133			4.53	20
1,1,1,2-Tetrachloroethane	25.0	ND	21.7	22.7	86.8	90.7	1	70.5-132			4.34	20
1,1,2,2-Tetrachloroethane	25.0	ND	26.9	27.7	108	111	1	64.9-145			3.13	20
Tetrachloroethene	25.0	ND	20.5	21.3	82.0	85.2	1	57.4-141			3.85	20
Toluene	25.0	ND	21.5	22.4	86.1	89.6	1	67.8-124			4.01	20
1,1,2-Trichlorotrifluoroethane	25.0	ND	20.0	20.1	80.1	80.5	1	53.7-150			0.540	20
1,2,3-Trichlorobenzene	25.0	ND	26.1	27.0	105	108	1	65.7-143			3.14	20
1,2,4-Trichlorobenzene	25.0	ND	26.1	27.5	104	110	1	67.0-146			5.17	20
1,1,1-Trichloroethane	25.0	ND	19.1	19.7	76.3	78.9	1	58.7-134			3.33	20
1,1,2-Trichloroethane	25.0	ND	23.7	24.1	94.8	96.3	1	74.1-130			1.63	20
Trichloroethene	25.0	ND	21.4	21.6	85.6	86.4	1	48.9-148			0.870	20
Trichlorofluoromethane	25.0	ND	17.7	17.7	70.8	70.9	1	39.9-165			0.190	20
1,2,3-Trichloropropane	25.0	ND	22.8	23.3	91.4	93.2	1	71.5-134			2.04	20
1,2,3-Trimethylbenzene	25.0	ND	21.5	22.4	86.0	89.4	1	62.7-133			3.97	20
1,2,4-Trimethylbenzene	25.0	ND	21.5	22.4	86.0	89.8	1	60.5-137			4.31	20
1,3,5-Trimethylbenzene	25.0	ND	21.5	22.2	85.8	88.9	1	67.9-134			3.52	20
Vinyl chloride	25.0	ND	20.9	20.8	83.4	83.3	1	44.3-143			0.160	20
Xylenes, Total	75.0	ND	64.6	66.7	86.2	88.9	1	65.6-133			3.09	20
(S) Toluene-d8					*106*	*108*		*90.0-115*				
(S) Dibromofluoromethane					*97.1*	*97.4*		*79.0-121*				
(S) 4-Bromofluorobenzene					*97.7*	*99.1*		*80.1-120*				

Method Blank (MB)

(MB) R3142009-1 06/06/16 11:14

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Diesel Range Organics (DRO)	U		33.3	100
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	*60.6*			*50.0-150*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142009-2 06/06/16 11:30 • (LCSD) R3142009-3 06/06/16 11:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	750	591	596	78.8	79.5	50.0-150			0.820	20
Residual Range Organics (RRO)	750	521	549	69.4	73.1	50.0-150			5.19	20
(S) o-Terphenyl				*69.0*	*71.1*	*50.0-150*				

Method Blank (MB)

(MB) R3142467-1 06/08/16 20:13

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Diesel Range Organics (DRO)	U		33.3	100
Residual Range Organics (RRO)	U		83.3	250
(S) o-Terphenyl	*83.9*			*50.0-150*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142467-2 06/08/16 20:30 • (LCSD) R3142467-3 06/08/16 20:46

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	%	%	%			%	%
Diesel Range Organics (DRO)	750	808	804	108	107	50.0-150			0.470	20
Residual Range Organics (RRO)	750	759	762	101	102	50.0-150			0.450	20
(S) o-Terphenyl				*84.6*	*84.1*	*50.0-150*				

Method Blank (MB)

(MB) R3142743-1 06/09/16 15:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	*69.6*			*50.0-150*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142743-2 06/09/16 15:12 • (LCSD) R3142743-3 06/09/16 15:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	30.0	23.1	20.2	77.2	67.4	50.0-150			13.5	20
Residual Range Organics (RRO)	30.0	19.7	16.8	65.6	56.0	50.0-150			15.7	20
(S) o-Terphenyl				*63.3*	*53.2*	*50.0-150*				

L839123-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839123-11 06/09/16 15:50 • (MS) R3142743-4 06/09/16 18:46 • (MSD) R3142743-5 06/09/16 18:59

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	39.2	U	14.1	12.4	35.8	31.4	1	50.0-150	J6	J6	12.9	20
Residual Range Organics (RRO)	39.2	U	11.2	9.85	28.6	25.1	1	50.0-150	J6	J6	12.9	20
(S) o-Terphenyl					*35.4*	*37.2*		*50.0-150*	J2	J2		

Method Blank (MB)

(MB) R3142876-1 06/10/16 12:42

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	*71.4*			*50.0-150*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142876-2 06/10/16 12:57 • (LCSD) R3142876-3 06/10/16 13:11

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Diesel Range Organics (DRO)	30.0	21.7	21.7	72.4	72.3	50.0-150			0.230	20
Residual Range Organics (RRO)	30.0	18.6	19.7	62.1	65.7	50.0-150			5.63	20
(S) o-Terphenyl				*61.8*	*62.4*	*50.0-150*				

L839102-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839102-06 06/10/16 13:55 • (MS) R3142876-4 06/10/16 14:10 • (MSD) R3142876-5 06/10/16 14:25

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Diesel Range Organics (DRO)	38.3	9.73	29.9	41.9	52.7	84.1	1	50.0-150		J3	33.5	20
Residual Range Organics (RRO)	38.3	101	102	97.9	2.90	0.000	1	50.0-150	J6	J6	3.94	20
(S) o-Terphenyl					*37.9*	*59.6*		*50.0-150*	J2			

Method Blank (MB)

(MB) R3142089-1 06/07/16 10:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.00350	0.0170
PCB 1221	U		0.00537	0.0170
PCB 1232	U		0.00417	0.0170
PCB 1242	U		0.00318	0.0170
PCB 1248	U		0.00315	0.0170
PCB 1254	U		0.00472	0.0170
PCB 1260	U		0.00494	0.0170
(S) Decachlorobiphenyl	*75.4*			*10.0-143*
(S) Tetrachloro-m-xylene	*93.0*			*29.2-144*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142089-2 06/07/16 10:41 • (LCSD) R3142089-3 06/07/16 10:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.167	0.183	0.183	110	110	46.5-120			0.0200	27
PCB 1016	0.167	0.191	0.189	114	113	46.3-117			1.00	27.5
(S) Decachlorobiphenyl				*68.7*	*77.4*	*10.0-143*				
(S) Tetrachloro-m-xylene				*85.5*	*92.8*	*29.2-144*				

Method Blank (MB)

(MB) R3141937-3 06/06/16 10:48

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0140	0.0500
Acenaphthene	U		0.0100	0.0500
Acenaphthylene	U		0.0120	0.0500
Benzo(a)anthracene	0.00612	J	0.00410	0.0500
Benzo(a)pyrene	U		0.0116	0.0500
Benzo(b)fluoranthene	U		0.00212	0.0500
Benzo(g,h,i)perylene	U		0.00227	0.0500
Benzo(k)fluoranthene	U		0.0136	0.0500
Chrysene	U		0.0108	0.0500
Dibenz(a,h)anthracene	U		0.00396	0.0500
Fluoranthene	U		0.0157	0.0500
Fluorene	U		0.00850	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0148	0.0500
Naphthalene	0.0386	J	0.0198	0.250
Phenanthrene	U		0.00820	0.0500
Pyrene	U		0.0117	0.0500
1-Methylnaphthalene	U		0.00821	0.250
2-Methylnaphthalene	U		0.00902	0.250
2-Chloronaphthalene	U		0.00647	0.250
(S) Nitrobenzene-d5	*86.3*			*33.8-179*
(S) 2-Fluorobiphenyl	*88.8*			*55.5-150*
(S) p-Terphenyl-d14	*80.5*			*46.2-163*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3141937-1 06/06/16 10:02 • (LCSD) R3141937-2 06/06/16 10:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	2.00	1.99	1.93	99.4	96.3	68.9-153			3.11	20
Acenaphthene	2.00	1.98	1.92	99.2	95.8	67.7-141			3.44	20
Acenaphthylene	2.00	1.91	1.85	95.4	92.3	66.9-141			3.20	20
Benzo(a)anthracene	2.00	1.82	1.75	91.2	87.3	63.1-147			4.33	20
Benzo(a)pyrene	2.00	1.95	1.87	97.6	93.4	62.2-150			4.36	20
Benzo(b)fluoranthene	2.00	1.72	1.75	86.2	87.7	58.4-148			1.81	20
Benzo(g,h,i)perylene	2.00	1.91	1.81	95.6	90.5	57.4-152			5.49	20
Benzo(k)fluoranthene	2.00	1.95	1.75	97.4	87.3	60.5-154			11.0	20
Chrysene	2.00	1.88	1.79	94.1	89.7	64.8-155			4.79	20
Dibenz(a,h)anthracene	2.00	1.87	1.78	93.5	88.9	53.5-153			5.05	20
Fluoranthene	2.00	2.10	2.06	105	103	68.6-153			1.94	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3141937-1 06/06/16 10:02 • (LCSD) R3141937-2 06/06/16 10:25

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Fluorene	2.00	1.96	1.90	98.2	94.8	67.3-141			3.55	20
Indeno(1,2,3-cd)pyrene	2.00	1.92	1.82	95.9	90.9	57.0-155			5.44	20
Naphthalene	2.00	1.91	1.84	95.7	91.8	66.7-135			4.13	20
Phenanthrene	2.00	1.92	1.85	96.1	92.5	64.3-143			3.75	20
Pyrene	2.00	2.14	1.97	107	98.6	60.2-154			8.11	20
1-Methylnaphthalene	2.00	1.91	1.95	95.5	97.4	68.3-144			1.98	20
2-Methylnaphthalene	2.00	1.88	1.91	94.0	95.7	67.6-143			1.80	20
2-Chloronaphthalene	2.00	1.92	1.86	96.2	92.8	69.7-144			3.63	20
(S) Nitrobenzene-d5				*94.4*	*90.1*	*33.8-179*				
(S) 2-Fluorobiphenyl				*96.7*	*93.4*	*55.5-150*				
(S) p-Terphenyl-d14				*88.3*	*79.6*	*46.2-163*				

L839133-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839133-05 06/06/16 13:54 • (MS) R3141937-4 06/06/16 14:17 • (MSD) R3141937-5 06/06/16 14:40

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	2.00	ND	1.78	1.89	87.9	93.5	1	68.9-153			6.09	20
Acenaphthene	2.00	0.303	2.01	2.06	85.3	87.8	1	67.7-141			2.46	20
Acenaphthylene	2.00	0.105	1.82	1.88	85.5	88.9	1	66.9-141			3.66	20
Benzo(a)anthracene	2.00	ND	1.67	1.75	83.4	87.5	1	63.1-147			4.70	20
Benzo(a)pyrene	2.00	ND	1.77	1.84	88.5	92.0	1	62.2-150			3.86	20
Benzo(b)fluoranthene	2.00	ND	1.59	1.70	79.7	85.1	1	58.4-148			6.45	20
Benzo(g,h,i)perylene	2.00	ND	1.75	1.82	87.4	90.8	1	57.4-152			3.89	20
Benzo(k)fluoranthene	2.00	ND	1.70	1.71	84.9	85.7	1	60.5-154			0.890	20
Chrysene	2.00	ND	1.68	1.77	83.9	88.4	1	64.8-155			5.24	20
Dibenz(a,h)anthracene	2.00	ND	1.73	1.80	86.7	89.9	1	53.5-153			3.63	20
Fluoranthene	2.00	ND	1.83	1.76	91.4	88.1	1	68.6-153			3.66	20
Fluorene	2.00	0.120	1.84	2.10	85.8	99.0	1	67.3-141			13.4	20
Indeno(1,2,3-cd)pyrene	2.00	ND	1.77	1.83	88.3	91.4	1	57.0-155			3.49	20
Naphthalene	2.00	221	204	219	0.000	0.000	1	66.7-135	E V	E V	7.07	20
Phenanthrene	2.00	0.0974	1.82	1.90	86.1	90.2	1	64.3-143			4.48	20
Pyrene	2.00	ND	1.85	1.94	92.4	96.8	1	60.2-154			4.64	20
1-Methylnaphthalene	2.00	74.9	70.7	75.2	0.000	17.7	1	68.3-144	V	V	6.14	20
2-Methylnaphthalene	2.00	123	113	121	0.000	0.000	1	67.6-143	E V	E V	7.13	20
2-Chloronaphthalene	2.00	ND	1.74	1.81	86.8	90.7	1	69.7-140			4.43	20
(S) Nitrobenzene-d5					*89.9*	*85.3*		*33.8-179*				
(S) 2-Fluorobiphenyl					*82.8*	*86.7*		*55.5-150*				
(S) p-Terphenyl-d14					*77.8*	*81.3*		*46.2-163*				

Method Blank (MB)

(MB) R3142495-3 06/09/16 02:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.000600	0.00600
Acenaphthene	U		0.000600	0.00600
Acenaphthylene	U		0.000600	0.00600
Benzo(a)anthracene	U		0.000600	0.00600
Benzo(a)pyrene	U		0.000600	0.00600
Benzo(b)fluoranthene	U		0.000600	0.00600
Benzo(g,h,i)perylene	U		0.000600	0.00600
Benzo(k)fluoranthene	U		0.000600	0.00600
Chrysene	U		0.000600	0.00600
Dibenz(a,h)anthracene	U		0.000600	0.00600
Fluoranthene	U		0.000600	0.00600
Fluorene	U		0.000600	0.00600
Indeno(1,2,3-cd)pyrene	U		0.000600	0.00600
Naphthalene	U		0.00200	0.0200
Phenanthrene	U		0.000600	0.00600
Pyrene	U		0.000600	0.00600
1-Methylnaphthalene	U		0.00200	0.0200
2-Methylnaphthalene	U		0.00200	0.0200
2-Chloronaphthalene	U		0.00200	0.0200
(S) p-Terphenyl-d14	*86.7*			*32.2-131*
(S) Nitrobenzene-d5	*121*			*22.1-146*
(S) 2-Fluorobiphenyl	*99.0*			*40.6-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142495-1 06/09/16 01:23 • (LCSD) R3142495-2 06/09/16 01:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0800	0.0757	0.0751	94.6	93.8	50.3-130			0.820	20
Acenaphthene	0.0800	0.0719	0.0725	89.9	90.6	52.4-120			0.810	20
Acenaphthylene	0.0800	0.0729	0.0735	91.1	91.9	49.6-120			0.820	20
Benzo(a)anthracene	0.0800	0.0821	0.0809	103	101	46.7-125			1.56	20
Benzo(a)pyrene	0.0800	0.0718	0.0718	89.7	89.7	42.3-119			0.0200	20
Benzo(b)fluoranthene	0.0800	0.0724	0.0712	90.4	89.0	43.6-124			1.65	20
Benzo(g,h,i)perylene	0.0800	0.0658	0.0658	82.3	82.2	45.1-132			0.0700	20
Benzo(k)fluoranthene	0.0800	0.0775	0.0779	96.9	97.4	46.1-131			0.500	20
Chrysene	0.0800	0.0812	0.0811	101	101	49.5-131			0.0600	20
Dibenz(a,h)anthracene	0.0800	0.0675	0.0672	84.4	84.0	44.8-133			0.490	20
Fluoranthene	0.0800	0.0794	0.0790	99.3	98.7	49.3-128			0.520	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3142495-1 06/09/16 01:23 • (LCSD) R3142495-2 06/09/16 01:45

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Fluorene	0.0800	0.0753	0.0747	94.1	93.4	50.6-121			0.790	20
Indeno(1,2,3-cd)pyrene	0.0800	0.0701	0.0699	87.6	87.3	46.1-135			0.310	20
Naphthalene	0.0800	0.0659	0.0667	82.3	83.3	49.6-115			1.22	20
Phenanthrene	0.0800	0.0734	0.0727	91.8	90.9	48.8-121			0.980	20
Pyrene	0.0800	0.0743	0.0734	92.9	91.8	44.7-130			1.21	20
1-Methylnaphthalene	0.0800	0.0744	0.0761	93.0	95.2	50.6-122			2.28	20
2-Methylnaphthalene	0.0800	0.0731	0.0744	91.4	93.0	50.4-120			1.79	20
2-Chloronaphthalene	0.0800	0.0752	0.0764	94.0	95.5	53.9-121			1.57	20
(S) p-Terphenyl-d14				*85.1*	*71.2*	*32.2-131*				
(S) Nitrobenzene-d5				*123*	*123*	*22.1-146*				
(S) 2-Fluorobiphenyl				*101*	*101*	*40.6-122*				

L839123-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L839123-14 06/09/16 10:57 • (MS) R3142559-1 06/09/16 11:18 • (MSD) R3142559-2 06/09/16 11:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.103	U	0.0910	0.0845	88.6	82.3	1	26.5-141			7.40	21.2
Acenaphthene	0.103	U	0.0931	0.0945	90.7	92.1	1	31.9-130			1.48	20
Acenaphthylene	0.103	U	0.0928	0.0968	90.4	94.3	1	33.7-129			4.22	20
Benzo(a)anthracene	0.103	U	0.0829	0.0776	80.8	75.6	1	18.3-136			6.66	24.6
Benzo(a)pyrene	0.103	U	0.0905	0.0804	88.1	78.3	1	16.9-135			11.8	25.2
Benzo(b)fluoranthene	0.103	U	0.0812	0.0704	79.1	68.5	1	10.0-134			14.3	30.9
Benzo(g,h,i)perylene	0.103	0.00218	0.0773	0.0771	73.2	73.0	1	14.1-140			0.220	25.5
Benzo(k)fluoranthene	0.103	U	0.0823	0.0713	80.2	69.4	1	18.2-138			14.4	25.6
Chrysene	0.103	0.000938	0.0911	0.0841	87.8	81.0	1	17.1-145			7.99	24.2
Dibenz(a,h)anthracene	0.103	U	0.0833	0.0727	81.1	70.8	1	18.5-138			13.6	24.3
Fluoranthene	0.103	U	0.0809	0.0713	78.8	69.5	1	15.4-144			12.5	27.1
Fluorene	0.103	U	0.0861	0.0868	83.9	84.6	1	23.5-136			0.840	20
Indeno(1,2,3-cd)pyrene	0.103	U	0.0787	0.0681	76.7	66.3	1	14.5-142			14.5	25.8
Naphthalene	0.103	U	0.0826	0.0824	80.5	80.3	1	29.2-128			0.230	20
Phenanthrene	0.103	0.000811	0.0891	0.0890	86.0	85.9	1	20.1-134			0.130	23.6
Pyrene	0.103	0.00189	0.120	0.125	115	120	1	11.0-148			3.62	26.1
1-Methylnaphthalene	0.103	U	0.0922	0.0902	89.8	87.9	1	28.4-137			2.14	20
2-Methylnaphthalene	0.103	U	0.0850	0.0853	82.9	83.1	1	26.6-137			0.260	20
2-Chloronaphthalene	0.103	U	0.0829	0.0826	80.7	80.4	1	38.6-126			0.370	20
(S) p-Terphenyl-d14					*107*	*105*		*32.2-131*				
(S) Nitrobenzene-d5					*95.2*	*97.8*		*22.1-146*				
(S) 2-Fluorobiphenyl					*88.4*	*91.2*		*40.6-122*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**

***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

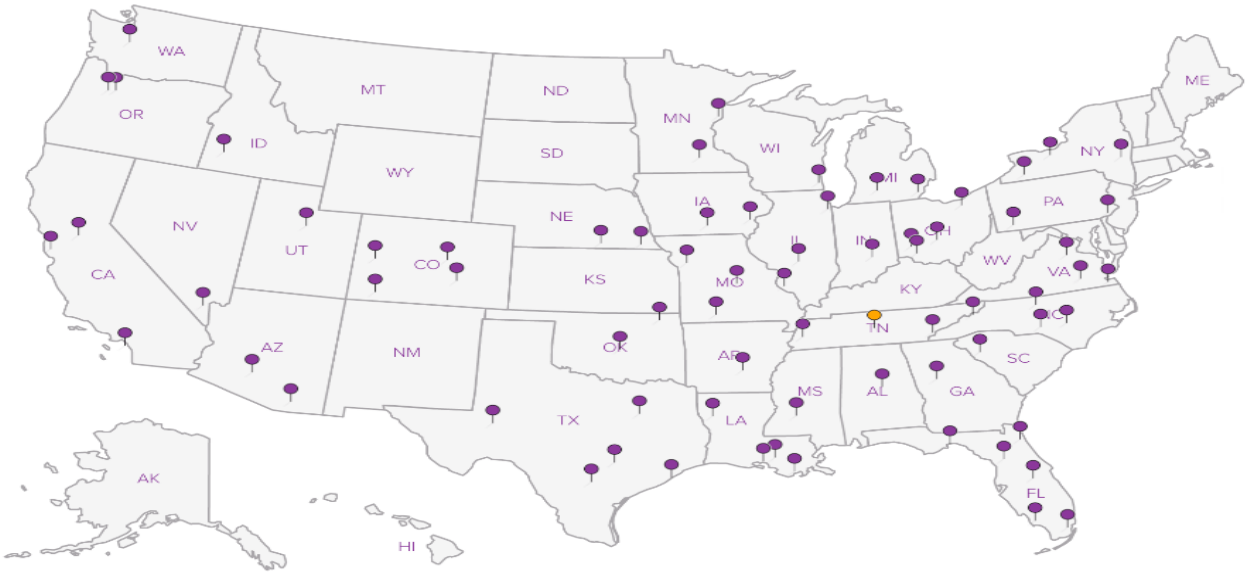
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



GeoDesign, Inc.
15575 SW Sequoia Parkway Ste. 100
Portland, OR. 97224

Billing Information:
GeoDesign, Inc.
15575 SW Sequoia Parkway
Ste. 100
Portland, OR. 97224

Report to: Kevin Cline
Email to: kcline@geodesigninc.com

Project Description: Capstone-12-03
City/Sate Collected: PORTLAND OR
Phone: 503-968-8787
FAX:
Client Project #: CAPSTONE-12-03
ESC Key:
Collected by: KEVIN CLINE
Site/Facility ID#:
P.O.#:

Collected by (signature):
Immediately Packed on Ice N (Y)

Rush? (Lab MUST Be Notified)
____ Same Day. 200%
____ Next Day. 100%
____ Two Day 50%
____ Three Day 25%

Date Results Needed:
Email? __No__Yes
FAX? __No__Yes

Chain of Custody
Page 1 of 1

ESC LABORATORY SCIENCES
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

CoCode GEODESPO (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	NWTPH-Gx	NWTPH-Dx	PAHs	VOCs	RCRA 8 Metals	PCBs	Remarks/Contaminant	Sample # (lab only)
DP-19 (4.0-5.0)		SS		5-31-16	0910	5	X	X	X	X				L839102-01
DP-19 (10.0-11.0)					0925	5	X	X	X	X				-02
DP-19		GW	GW		0940	13	X	X	X	X				-03
DP-20 (10.0-11.0)		SS			1020	5	X	X	X	X				-04
DP-21 (10.5-11.5)					1055	5	X	X	X	X				-05
DP-22 (1.0-2.0)					1140	5	X	X	X	X				-06
DP-23 (11.0-12.0)					1215	5	X	X	X	X				-07
DP-24 (10.0-11.0)					1440	13	X	X	X	X				-08
DP-25 (5.0-6.0)					1515	5	X	X	X	X				-09

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other

pH _____ Temp _____
Flow _____ Other _____

Remarks: NO SPACE IN SAMPLE NAME

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	6-1-16	1400	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____
Temp: 3.2
Bottles Received: 45
Date: 6/2/16
Time: 900
Condition: (lab use only) OK MI2
CoC Seals Intact: ____ Y ____ N ____ NA
pH Checked: L2
NCF: X

671103377560

B096

GeoDesign, Inc.
15575 SW Sequoia Parkway Ste. 100
Portland, OR. 97224

Billing Information:
GeoDesign, Inc.
15575 SW Sequoia Parkway
Ste. 100
Portland, OR. 97224

Report to: Kevin Cline
Email to: kcline@geodesigninc.com

Project Description: Capstone-12-03
City/Sate Collected: PORTLAND OR
Phone: 503-968-8787
FAX:
Client Project #: CAPSTONE-12-03
ESC Key:
Collected by: KEVIN CLINE
Site/Facility ID#:
P.O.#:
Collected by (signature):
Immediately Packed on Ice N

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%
____ Three Day.....25%

Date Results Needed:
Email? __No__Yes
FAX? __No__Yes

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

ESC LABORATORY SCIENCES
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

CoCode GEODESPO (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	NWTPH-Gx	NWTPH-Dx	PAHs	VOCs	RCRA 8 Metals	PCBs	Remarks/Contaminant	Sample # (lab only)
DP-25		GW		5-31-16	1525	12	X	X	X	X				L839102-10
DP-26 (10.0-11.0)		SS			1555	5	X	X	X	X	X	X		-11
DP-26		GW			1620	11	X	X	X	X				-12
DP-27 (10.5-11.5)		SS			1640	5	X	X	X	X				-13

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

pH _____ Temp _____
Flow _____ Other _____

Remarks:

Relinquished by: (Signature)	Date: 6-1-16	Time: 1400	Received by: (Signature)	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐ _____
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.2 °C / Bottles Received: 85
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 6/2/16 Time: 900

Condition: MIL (lab use only)
CoC Seals Intact: ___ Y ___ N ___ NA
pH Checked: L2 NCF: X

ESC Lab Sciences
Non-Conformance Form

Login #:L839102	Client:GEODESPOR	Date:06/02/16	Evaluated by:Greg D.

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time		Login Clarification Needed		**If Broken Container:**
	Improper temperature		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.	x	Insufficient packing material inside cooler
	Improper preservation		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Couri
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by:
xx	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments:Received 1 Broken unpreserved vial for DP-26, 1 Broken preserved vial for DP-25, 1 broken stirbar vial for DP-24(10-11)

Client informed by:		Call		Email		Voice Mail		Date:	Time:
TSR Initials:	Client Contact:								

Login Instructions:

ANALYTICAL REPORT

August 01, 2016

GeoDesign Inc.

Sample Delivery Group:	L848511
Samples Received:	07/21/2016
Project Number:	12-03
Description:	Capstone-12-03

Report To: Erik Hedberg
15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Entire Report Reviewed By:

Jason Romer
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 5

[5]Sr: Sample Results 6

DP-29(3.5-4.0) L848511-01 6

DP-29(7.0-7.5) L848511-02 8

DP-30(3.5-4.0) L848511-03 10

DP-30(6.0-7.0) L848511-04 12

DP-31(4.0-5.0) L848511-05 14

DP-32(6.0-7.0) L848511-06 16

DP-33(3.5-4.0) L848511-07 18

DP-33(7.0-8.0) L848511-08 20

DP-34(6.0-7.0) L848511-09 22

DP-31(6.5-7.5) L848511-10 24

DP-35(5.5-6.0) L848511-11 26

DP-36(5.5-6.0) L848511-12 28

[6]Qc: Quality Control Summary 30

Total Solids by Method 2540 G-2011 30

Volatile Organic Compounds (GC/MS) by Method 8260B 32

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX 44

[7]Gl: Glossary of Terms 45

[8]Al: Accreditations & Locations 46

[9]Sc: Chain of Custody 47

DP-29(3.5-4.0) L848511-01 Solid

Collected by | Collected date/time 07/20/16 10:00 | Received date/time 07/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG891392	1	07/23/16 11:07	07/23/16 11:17	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892185	207.5	07/28/16 17:04	07/30/16 12:44	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892185	4150	07/28/16 17:04	07/31/16 16:27	JAH

DP-29(7.0-7.5) L848511-02 Solid

Collected by | Collected date/time 07/20/16 10:45 | Received date/time 07/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG891392	1	07/23/16 11:07	07/23/16 11:17	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892185	92	07/28/16 17:04	07/31/16 16:52	JAH

DP-30(3.5-4.0) L848511-03 Solid

Collected by | Collected date/time 07/20/16 11:10 | Received date/time 07/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG891392	1	07/23/16 11:07	07/23/16 11:17	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892185	255	07/28/16 17:04	07/30/16 13:19	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892185	5100	07/28/16 17:04	07/31/16 17:16	JAH

DP-30(6.0-7.0) L848511-04 Solid

Collected by | Collected date/time 07/20/16 11:20 | Received date/time 07/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG891393	1	07/23/16 11:19	07/23/16 11:27	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892185	87	07/28/16 17:04	07/31/16 17:40	JAH

DP-31(4.0-5.0) L848511-05 Solid

Collected by | Collected date/time 07/20/16 11:55 | Received date/time 07/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG891393	1	07/23/16 11:19	07/23/16 11:27	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892185	210	07/28/16 17:04	07/30/16 13:53	DWR

DP-32(6.0-7.0) L848511-06 Solid

Collected by | Collected date/time 07/20/16 12:35 | Received date/time 07/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG891393	1	07/23/16 11:19	07/23/16 11:27	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892185	39.5	07/28/16 17:04	07/31/16 18:05	JAH

DP-33(3.5-4.0) L848511-07 Solid

Collected by | Collected date/time 07/20/16 13:40 | Received date/time 07/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG891271	100	07/22/16 22:14	07/27/16 18:28	KLM
Total Solids by Method 2540 G-2011	WG891393	1	07/23/16 11:19	07/23/16 11:27	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892185	205	07/28/16 17:04	07/30/16 14:28	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892185	4100	07/28/16 17:04	07/31/16 18:29	JAH

DP-33(7.0-8.0) L848511-08 Solid

Collected by | Collected date/time 07/20/16 13:55 | Received date/time 07/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG891393	1	07/23/16 11:19	07/23/16 11:27	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892185	41	07/28/16 17:04	07/31/16 18:53	JAH

DP-34(6.0-7.0) L848511-09 Solid

Collected by | Collected date/time 07/20/16 14:25 | Received date/time 07/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG891393	1	07/23/16 11:19	07/23/16 11:27	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892185	19.25	07/28/16 17:04	07/31/16 19:18	JAH

DP-31(6.5-7.5) L848511-10 Solid

Collected by | Collected date/time 07/20/16 12:05 | Received date/time 07/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG891393	1	07/23/16 11:19	07/23/16 11:27	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892185	207.5	07/28/16 17:04	07/30/16 15:20	DWR

DP-35(5.5-6.0) L848511-11 Solid

Collected by | Collected date/time 07/20/16 15:15 | Received date/time 07/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG891393	1	07/23/16 11:19	07/23/16 11:27	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892210	21.25	07/28/16 18:34	07/31/16 22:56	JAH

DP-36(5.5-6.0) L848511-12 Solid

Collected by | Collected date/time 07/20/16 16:00 | Received date/time 07/21/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG891393	1	07/23/16 11:19	07/23/16 11:27	KDW
Volatile Organic Compounds (GC/MS) by Method 8260B	WG892210	25.25	07/28/16 18:34	07/31/16 23:20	JAH

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jason Romer
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.4		1	07/23/2016 11:17	WG891392

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		13.2	207.5	07/30/2016 12:44	WG892185
Acrylonitrile	ND		2.65	207.5	07/30/2016 12:44	WG892185
Benzene	ND		0.265	207.5	07/30/2016 12:44	WG892185
Bromobenzene	ND		0.265	207.5	07/30/2016 12:44	WG892185
Bromodichloromethane	ND		0.265	207.5	07/30/2016 12:44	WG892185
Bromoform	ND		0.265	207.5	07/30/2016 12:44	WG892185
Bromomethane	ND		1.32	207.5	07/30/2016 12:44	WG892185
n-Butylbenzene	6.05		0.265	207.5	07/30/2016 12:44	WG892185
sec-Butylbenzene	8.33		0.265	207.5	07/30/2016 12:44	WG892185
tert-Butylbenzene	0.606		0.265	207.5	07/30/2016 12:44	WG892185
Carbon tetrachloride	ND		0.265	207.5	07/30/2016 12:44	WG892185
Chlorobenzene	ND		0.265	207.5	07/30/2016 12:44	WG892185
Chlorodibromomethane	ND		0.265	207.5	07/30/2016 12:44	WG892185
Chloroethane	ND		1.32	207.5	07/30/2016 12:44	WG892185
2-Chloroethyl vinyl ether	ND		13.2	207.5	07/30/2016 12:44	WG892185
Chloroform	ND		1.32	207.5	07/30/2016 12:44	WG892185
Chloromethane	ND		0.662	207.5	07/30/2016 12:44	WG892185
2-Chlorotoluene	ND		0.265	207.5	07/30/2016 12:44	WG892185
4-Chlorotoluene	ND		0.265	207.5	07/30/2016 12:44	WG892185
1,2-Dibromo-3-Chloropropane	ND		1.32	207.5	07/30/2016 12:44	WG892185
1,2-Dibromoethane	ND		0.265	207.5	07/30/2016 12:44	WG892185
Dibromomethane	ND		0.265	207.5	07/30/2016 12:44	WG892185
1,2-Dichlorobenzene	ND		0.265	207.5	07/30/2016 12:44	WG892185
1,3-Dichlorobenzene	ND		0.265	207.5	07/30/2016 12:44	WG892185
1,4-Dichlorobenzene	ND	J4	0.265	207.5	07/30/2016 12:44	WG892185
Dichlorodifluoromethane	ND		1.32	207.5	07/30/2016 12:44	WG892185
1,1-Dichloroethane	ND		0.265	207.5	07/30/2016 12:44	WG892185
1,2-Dichloroethane	ND		0.265	207.5	07/30/2016 12:44	WG892185
1,1-Dichloroethene	ND		0.265	207.5	07/30/2016 12:44	WG892185
cis-1,2-Dichloroethene	ND		0.265	207.5	07/30/2016 12:44	WG892185
trans-1,2-Dichloroethene	ND		0.265	207.5	07/30/2016 12:44	WG892185
1,2-Dichloropropane	ND		0.265	207.5	07/30/2016 12:44	WG892185
1,1-Dichloropropene	ND		0.265	207.5	07/30/2016 12:44	WG892185
1,3-Dichloropropane	ND		0.265	207.5	07/30/2016 12:44	WG892185
cis-1,3-Dichloropropene	ND		0.265	207.5	07/30/2016 12:44	WG892185
trans-1,3-Dichloropropene	ND		0.265	207.5	07/30/2016 12:44	WG892185
2,2-Dichloropropane	ND	J4	0.265	207.5	07/30/2016 12:44	WG892185
Di-isopropyl ether	ND		0.265	207.5	07/30/2016 12:44	WG892185
Ethylbenzene	2.15		0.265	207.5	07/30/2016 12:44	WG892185
Hexachloro-1,3-butadiene	ND		0.265	207.5	07/30/2016 12:44	WG892185
Isopropylbenzene	4.61		0.265	207.5	07/30/2016 12:44	WG892185
p-Isopropyltoluene	10.2		0.265	207.5	07/30/2016 12:44	WG892185
2-Butanone (MEK)	ND		2.65	207.5	07/30/2016 12:44	WG892185
Methylene Chloride	ND		1.32	207.5	07/30/2016 12:44	WG892185
4-Methyl-2-pentanone (MIBK)	ND	J4	2.65	207.5	07/30/2016 12:44	WG892185
Methyl tert-butyl ether	ND		0.265	207.5	07/30/2016 12:44	WG892185
Naphthalene	8.53		1.32	207.5	07/30/2016 12:44	WG892185
n-Propylbenzene	8.10		0.265	207.5	07/30/2016 12:44	WG892185
Styrene	ND		0.265	207.5	07/30/2016 12:44	WG892185
1,1,1,2-Tetrachloroethane	ND		0.265	207.5	07/30/2016 12:44	WG892185

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND		0.265	207.5	07/30/2016 12:44	WG892185
1,1,2-Trichlorotrifluoroethane	ND		0.265	207.5	07/30/2016 12:44	WG892185
Tetrachloroethene	1.36		0.265	207.5	07/30/2016 12:44	WG892185
Toluene	ND		1.32	207.5	07/30/2016 12:44	WG892185
1,2,3-Trichlorobenzene	ND		0.265	207.5	07/30/2016 12:44	WG892185
1,2,4-Trichlorobenzene	ND		0.265	207.5	07/30/2016 12:44	WG892185
1,1,1-Trichloroethane	ND		0.265	207.5	07/30/2016 12:44	WG892185
1,1,2-Trichloroethane	ND		0.265	207.5	07/30/2016 12:44	WG892185
Trichloroethene	393		5.29	4150	07/31/2016 16:27	WG892185
Trichlorofluoromethane	ND		1.32	207.5	07/30/2016 12:44	WG892185
1,2,3-Trichloropropane	ND		0.662	207.5	07/30/2016 12:44	WG892185
1,2,4-Trimethylbenzene	63.6		5.29	4150	07/31/2016 16:27	WG892185
1,2,3-Trimethylbenzene	68.1	J4	5.29	4150	07/31/2016 16:27	WG892185
1,3,5-Trimethylbenzene	26.1		0.265	207.5	07/30/2016 12:44	WG892185
Vinyl chloride	ND		0.265	207.5	07/30/2016 12:44	WG892185
Xylenes, Total	15.2		0.794	207.5	07/30/2016 12:44	WG892185
(S) Toluene-d8	*94.2*		*88.7-115*		*07/30/2016 12:44*	WG892185
(S) Toluene-d8	*109*		*88.7-115*		*07/31/2016 16:27*	WG892185
(S) Dibromofluoromethane	*101*		*76.3-123*		*07/31/2016 16:27*	WG892185
(S) Dibromofluoromethane	*95.3*		*76.3-123*		*07/30/2016 12:44*	WG892185
(S) α,α,α-Trifluorotoluene	*94.1*		*87.2-117*		*07/30/2016 12:44*	WG892185
(S) α,α,α-Trifluorotoluene	*99.5*		*87.2-117*		*07/31/2016 16:27*	WG892185
(S) 4-Bromofluorobenzene	*99.4*		*69.7-129*		*07/31/2016 16:27*	WG892185
(S) 4-Bromofluorobenzene	*253*	J1	*69.7-129*		*07/30/2016 12:44*	WG892185

Sample Narrative:

8260B L848511-01 WG892185: Surrogate failure due to matrix interference.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.2		1	07/23/2016 11:17	WG891392

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		6.20	92	07/31/2016 16:52	WG892185
Acrylonitrile	ND		1.24	92	07/31/2016 16:52	WG892185
Benzene	ND		0.124	92	07/31/2016 16:52	WG892185
Bromobenzene	ND		0.124	92	07/31/2016 16:52	WG892185
Bromodichloromethane	ND		0.124	92	07/31/2016 16:52	WG892185
Bromoform	ND		0.124	92	07/31/2016 16:52	WG892185
Bromomethane	ND		0.620	92	07/31/2016 16:52	WG892185
n-Butylbenzene	ND		0.124	92	07/31/2016 16:52	WG892185
sec-Butylbenzene	ND		0.124	92	07/31/2016 16:52	WG892185
tert-Butylbenzene	ND		0.124	92	07/31/2016 16:52	WG892185
Carbon tetrachloride	ND		0.124	92	07/31/2016 16:52	WG892185
Chlorobenzene	ND		0.124	92	07/31/2016 16:52	WG892185
Chlorodibromomethane	ND		0.124	92	07/31/2016 16:52	WG892185
Chloroethane	ND		0.620	92	07/31/2016 16:52	WG892185
2-Chloroethyl vinyl ether	ND		6.20	92	07/31/2016 16:52	WG892185
Chloroform	ND		0.620	92	07/31/2016 16:52	WG892185
Chloromethane	ND		0.310	92	07/31/2016 16:52	WG892185
2-Chlorotoluene	ND		0.124	92	07/31/2016 16:52	WG892185
4-Chlorotoluene	ND		0.124	92	07/31/2016 16:52	WG892185
1,2-Dibromo-3-Chloropropane	ND		0.620	92	07/31/2016 16:52	WG892185
1,2-Dibromoethane	ND		0.124	92	07/31/2016 16:52	WG892185
Dibromomethane	ND		0.124	92	07/31/2016 16:52	WG892185
1,2-Dichlorobenzene	ND		0.124	92	07/31/2016 16:52	WG892185
1,3-Dichlorobenzene	ND		0.124	92	07/31/2016 16:52	WG892185
1,4-Dichlorobenzene	ND	J4	0.124	92	07/31/2016 16:52	WG892185
Dichlorodifluoromethane	ND		0.620	92	07/31/2016 16:52	WG892185
1,1-Dichloroethane	ND		0.124	92	07/31/2016 16:52	WG892185
1,2-Dichloroethane	ND		0.124	92	07/31/2016 16:52	WG892185
1,1-Dichloroethene	ND		0.124	92	07/31/2016 16:52	WG892185
cis-1,2-Dichloroethene	ND		0.124	92	07/31/2016 16:52	WG892185
trans-1,2-Dichloroethene	ND		0.124	92	07/31/2016 16:52	WG892185
1,2-Dichloropropane	ND		0.124	92	07/31/2016 16:52	WG892185
1,1-Dichloropropene	ND		0.124	92	07/31/2016 16:52	WG892185
1,3-Dichloropropane	ND		0.124	92	07/31/2016 16:52	WG892185
cis-1,3-Dichloropropene	ND		0.124	92	07/31/2016 16:52	WG892185
trans-1,3-Dichloropropene	ND		0.124	92	07/31/2016 16:52	WG892185
2,2-Dichloropropane	ND	J4	0.124	92	07/31/2016 16:52	WG892185
Di-isopropyl ether	ND		0.124	92	07/31/2016 16:52	WG892185
Ethylbenzene	ND		0.124	92	07/31/2016 16:52	WG892185
Hexachloro-1,3-butadiene	ND		0.124	92	07/31/2016 16:52	WG892185
Isopropylbenzene	ND		0.124	92	07/31/2016 16:52	WG892185
p-Isopropyltoluene	ND		0.124	92	07/31/2016 16:52	WG892185
2-Butanone (MEK)	ND		1.24	92	07/31/2016 16:52	WG892185
Methylene Chloride	ND		0.620	92	07/31/2016 16:52	WG892185
4-Methyl-2-pentanone (MIBK)	ND	J4	1.24	92	07/31/2016 16:52	WG892185
Methyl tert-butyl ether	ND		0.124	92	07/31/2016 16:52	WG892185
Naphthalene	ND		0.620	92	07/31/2016 16:52	WG892185
n-Propylbenzene	ND		0.124	92	07/31/2016 16:52	WG892185
Styrene	ND		0.124	92	07/31/2016 16:52	WG892185
1,1,1,2-Tetrachloroethane	ND		0.124	92	07/31/2016 16:52	WG892185

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND		0.124	92	07/31/2016 16:52	WG892185
1,1,2-Trichlorotrifluoroethane	ND		0.124	92	07/31/2016 16:52	WG892185
Tetrachloroethene	ND		0.124	92	07/31/2016 16:52	WG892185
Toluene	ND		0.620	92	07/31/2016 16:52	WG892185
1,2,3-Trichlorobenzene	ND		0.124	92	07/31/2016 16:52	WG892185
1,2,4-Trichlorobenzene	ND		0.124	92	07/31/2016 16:52	WG892185
1,1,1-Trichloroethane	ND		0.124	92	07/31/2016 16:52	WG892185
1,1,2-Trichloroethane	ND		0.124	92	07/31/2016 16:52	WG892185
Trichloroethene	6.53		0.124	92	07/31/2016 16:52	WG892185
Trichlorofluoromethane	ND		0.620	92	07/31/2016 16:52	WG892185
1,2,3-Trichloropropane	ND		0.310	92	07/31/2016 16:52	WG892185
1,2,4-Trimethylbenzene	ND		0.124	92	07/31/2016 16:52	WG892185
1,2,3-Trimethylbenzene	ND	J4	0.124	92	07/31/2016 16:52	WG892185
1,3,5-Trimethylbenzene	ND		0.124	92	07/31/2016 16:52	WG892185
Vinyl chloride	ND		0.124	92	07/31/2016 16:52	WG892185
Xylenes, Total	ND		0.372	92	07/31/2016 16:52	WG892185
(S) Toluene-d8	*109*		*88.7-115*		*07/31/2016 16:52*	WG892185
(S) Dibromofluoromethane	*101*		*76.3-123*		*07/31/2016 16:52*	WG892185
(S) a,a,a-Trifluorotoluene	*99.9*		*87.2-117*		*07/31/2016 16:52*	WG892185
(S) 4-Bromofluorobenzene	*98.4*		*69.7-129*		*07/31/2016 16:52*	WG892185

Sample Narrative:

8260B L848511-02 WG892185: Target compounds too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.7		1	07/23/2016 11:17	WG891392

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		15.8	255	07/30/2016 13:19	WG892185
Acrylonitrile	ND		3.16	255	07/30/2016 13:19	WG892185
Benzene	ND		0.316	255	07/30/2016 13:19	WG892185
Bromobenzene	ND		0.316	255	07/30/2016 13:19	WG892185
Bromodichloromethane	ND		0.316	255	07/30/2016 13:19	WG892185
Bromoform	ND		0.316	255	07/30/2016 13:19	WG892185
Bromomethane	ND		1.58	255	07/30/2016 13:19	WG892185
n-Butylbenzene	0.509		0.316	255	07/30/2016 13:19	WG892185
sec-Butylbenzene	1.07		0.316	255	07/30/2016 13:19	WG892185
tert-Butylbenzene	0.394		0.316	255	07/30/2016 13:19	WG892185
Carbon tetrachloride	ND		0.316	255	07/30/2016 13:19	WG892185
Chlorobenzene	ND		0.316	255	07/30/2016 13:19	WG892185
Chlorodibromomethane	ND		0.316	255	07/30/2016 13:19	WG892185
Chloroethane	ND		1.58	255	07/30/2016 13:19	WG892185
2-Chloroethyl vinyl ether	ND		15.8	255	07/30/2016 13:19	WG892185
Chloroform	ND		1.58	255	07/30/2016 13:19	WG892185
Chloromethane	ND		0.790	255	07/30/2016 13:19	WG892185
2-Chlorotoluene	ND		0.316	255	07/30/2016 13:19	WG892185
4-Chlorotoluene	ND		0.316	255	07/30/2016 13:19	WG892185
1,2-Dibromo-3-Chloropropane	ND		1.58	255	07/30/2016 13:19	WG892185
1,2-Dibromoethane	ND		0.316	255	07/30/2016 13:19	WG892185
Dibromomethane	ND		0.316	255	07/30/2016 13:19	WG892185
1,2-Dichlorobenzene	ND		0.316	255	07/30/2016 13:19	WG892185
1,3-Dichlorobenzene	ND		0.316	255	07/30/2016 13:19	WG892185
1,4-Dichlorobenzene	ND	J4	0.316	255	07/30/2016 13:19	WG892185
Dichlorodifluoromethane	ND		1.58	255	07/30/2016 13:19	WG892185
1,1-Dichloroethane	ND		0.316	255	07/30/2016 13:19	WG892185
1,2-Dichloroethane	ND		0.316	255	07/30/2016 13:19	WG892185
1,1-Dichloroethene	ND		0.316	255	07/30/2016 13:19	WG892185
cis-1,2-Dichloroethene	ND		0.316	255	07/30/2016 13:19	WG892185
trans-1,2-Dichloroethene	ND		0.316	255	07/30/2016 13:19	WG892185
1,2-Dichloropropane	ND		0.316	255	07/30/2016 13:19	WG892185
1,1-Dichloropropene	ND		0.316	255	07/30/2016 13:19	WG892185
1,3-Dichloropropane	ND		0.316	255	07/30/2016 13:19	WG892185
cis-1,3-Dichloropropene	ND		0.316	255	07/30/2016 13:19	WG892185
trans-1,3-Dichloropropene	ND		0.316	255	07/30/2016 13:19	WG892185
2,2-Dichloropropane	ND	J4	0.316	255	07/30/2016 13:19	WG892185
Di-isopropyl ether	ND		0.316	255	07/30/2016 13:19	WG892185
Ethylbenzene	ND		0.316	255	07/30/2016 13:19	WG892185
Hexachloro-1,3-butadiene	ND		0.316	255	07/30/2016 13:19	WG892185
Isopropylbenzene	ND		0.316	255	07/30/2016 13:19	WG892185
p-Isopropyltoluene	1.57		0.316	255	07/30/2016 13:19	WG892185
2-Butanone (MEK)	ND		3.16	255	07/30/2016 13:19	WG892185
Methylene Chloride	ND		1.58	255	07/30/2016 13:19	WG892185
4-Methyl-2-pentanone (MIBK)	ND	J4	3.16	255	07/30/2016 13:19	WG892185
Methyl tert-butyl ether	ND		0.316	255	07/30/2016 13:19	WG892185
Naphthalene	ND		1.58	255	07/30/2016 13:19	WG892185
n-Propylbenzene	ND		0.316	255	07/30/2016 13:19	WG892185
Styrene	ND		0.316	255	07/30/2016 13:19	WG892185
1,1,1,2-Tetrachloroethane	ND		0.316	255	07/30/2016 13:19	WG892185

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND		0.316	255	07/30/2016 13:19	WG892185
1,1,2-Trichlorotrifluoroethane	ND		0.316	255	07/30/2016 13:19	WG892185
Tetrachloroethene	2.41		0.316	255	07/30/2016 13:19	WG892185
Toluene	ND		1.58	255	07/30/2016 13:19	WG892185
1,2,3-Trichlorobenzene	ND		0.316	255	07/30/2016 13:19	WG892185
1,2,4-Trichlorobenzene	ND		0.316	255	07/30/2016 13:19	WG892185
1,1,1-Trichloroethane	ND		0.316	255	07/30/2016 13:19	WG892185
1,1,2-Trichloroethane	ND		0.316	255	07/30/2016 13:19	WG892185
Trichloroethene	434		6.32	5100	07/31/2016 17:16	WG892185
Trichlorofluoromethane	ND		1.58	255	07/30/2016 13:19	WG892185
1,2,3-Trichloropropane	ND		0.790	255	07/30/2016 13:19	WG892185
1,2,4-Trimethylbenzene	4.09		0.316	255	07/30/2016 13:19	WG892185
1,2,3-Trimethylbenzene	6.53	J4	0.316	255	07/30/2016 13:19	WG892185
1,3,5-Trimethylbenzene	3.17		0.316	255	07/30/2016 13:19	WG892185
Vinyl chloride	ND		0.316	255	07/30/2016 13:19	WG892185
Xylenes, Total	ND		0.948	255	07/30/2016 13:19	WG892185
(S) Toluene-d8	*96.4*		*88.7-115*		*07/30/2016 13:19*	WG892185
(S) Toluene-d8	*110*		*88.7-115*		*07/31/2016 17:16*	WG892185
(S) Dibromofluoromethane	*101*		*76.3-123*		*07/31/2016 17:16*	WG892185
(S) Dibromofluoromethane	*100*		*76.3-123*		*07/30/2016 13:19*	WG892185
(S) α,α,α-Trifluorotoluene	*92.3*		*87.2-117*		*07/30/2016 13:19*	WG892185
(S) α,α,α-Trifluorotoluene	*101*		*87.2-117*		*07/31/2016 17:16*	WG892185
(S) 4-Bromofluorobenzene	*102*		*69.7-129*		*07/31/2016 17:16*	WG892185
(S) 4-Bromofluorobenzene	*270*	J1	*69.7-129*		*07/30/2016 13:19*	WG892185

Sample Narrative:

8260B L848511-03 WG892185: Surrogate failure due to matrix interference.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.5		1	07/23/2016 11:27	WG891393

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		6.00	87	07/31/2016 17:40	WG892185
Acrylonitrile	ND		1.20	87	07/31/2016 17:40	WG892185
Benzene	ND		0.120	87	07/31/2016 17:40	WG892185
Bromobenzene	ND		0.120	87	07/31/2016 17:40	WG892185
Bromodichloromethane	ND		0.120	87	07/31/2016 17:40	WG892185
Bromoform	ND		0.120	87	07/31/2016 17:40	WG892185
Bromomethane	ND		0.600	87	07/31/2016 17:40	WG892185
n-Butylbenzene	ND		0.120	87	07/31/2016 17:40	WG892185
sec-Butylbenzene	ND		0.120	87	07/31/2016 17:40	WG892185
tert-Butylbenzene	ND		0.120	87	07/31/2016 17:40	WG892185
Carbon tetrachloride	ND		0.120	87	07/31/2016 17:40	WG892185
Chlorobenzene	ND		0.120	87	07/31/2016 17:40	WG892185
Chlorodibromomethane	ND		0.120	87	07/31/2016 17:40	WG892185
Chloroethane	ND		0.600	87	07/31/2016 17:40	WG892185
2-Chloroethyl vinyl ether	ND		6.00	87	07/31/2016 17:40	WG892185
Chloroform	ND		0.600	87	07/31/2016 17:40	WG892185
Chloromethane	ND		0.300	87	07/31/2016 17:40	WG892185
2-Chlorotoluene	ND		0.120	87	07/31/2016 17:40	WG892185
4-Chlorotoluene	ND		0.120	87	07/31/2016 17:40	WG892185
1,2-Dibromo-3-Chloropropane	ND		0.600	87	07/31/2016 17:40	WG892185
1,2-Dibromoethane	ND		0.120	87	07/31/2016 17:40	WG892185
Dibromomethane	ND		0.120	87	07/31/2016 17:40	WG892185
1,2-Dichlorobenzene	ND		0.120	87	07/31/2016 17:40	WG892185
1,3-Dichlorobenzene	ND		0.120	87	07/31/2016 17:40	WG892185
1,4-Dichlorobenzene	ND	J4	0.120	87	07/31/2016 17:40	WG892185
Dichlorodifluoromethane	ND		0.600	87	07/31/2016 17:40	WG892185
1,1-Dichloroethane	ND		0.120	87	07/31/2016 17:40	WG892185
1,2-Dichloroethane	ND		0.120	87	07/31/2016 17:40	WG892185
1,1-Dichloroethene	ND		0.120	87	07/31/2016 17:40	WG892185
cis-1,2-Dichloroethene	ND		0.120	87	07/31/2016 17:40	WG892185
trans-1,2-Dichloroethene	ND		0.120	87	07/31/2016 17:40	WG892185
1,2-Dichloropropane	ND		0.120	87	07/31/2016 17:40	WG892185
1,1-Dichloropropene	ND		0.120	87	07/31/2016 17:40	WG892185
1,3-Dichloropropane	ND		0.120	87	07/31/2016 17:40	WG892185
cis-1,3-Dichloropropene	ND		0.120	87	07/31/2016 17:40	WG892185
trans-1,3-Dichloropropene	ND		0.120	87	07/31/2016 17:40	WG892185
2,2-Dichloropropane	ND	J4	0.120	87	07/31/2016 17:40	WG892185
Di-isopropyl ether	ND		0.120	87	07/31/2016 17:40	WG892185
Ethylbenzene	ND		0.120	87	07/31/2016 17:40	WG892185
Hexachloro-1,3-butadiene	ND		0.120	87	07/31/2016 17:40	WG892185
Isopropylbenzene	ND		0.120	87	07/31/2016 17:40	WG892185
p-Isopropyltoluene	ND		0.120	87	07/31/2016 17:40	WG892185
2-Butanone (MEK)	ND		1.20	87	07/31/2016 17:40	WG892185
Methylene Chloride	ND		0.600	87	07/31/2016 17:40	WG892185
4-Methyl-2-pentanone (MIBK)	ND	J4	1.20	87	07/31/2016 17:40	WG892185
Methyl tert-butyl ether	0.242		0.120	87	07/31/2016 17:40	WG892185
Naphthalene	ND		0.600	87	07/31/2016 17:40	WG892185
n-Propylbenzene	ND		0.120	87	07/31/2016 17:40	WG892185
Styrene	ND		0.120	87	07/31/2016 17:40	WG892185
1,1,1,2-Tetrachloroethane	ND		0.120	87	07/31/2016 17:40	WG892185

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND		0.120	87	07/31/2016 17:40	WG892185
1,1,2-Trichlorotrifluoroethane	ND		0.120	87	07/31/2016 17:40	WG892185
Tetrachloroethene	ND		0.120	87	07/31/2016 17:40	WG892185
Toluene	ND		0.600	87	07/31/2016 17:40	WG892185
1,2,3-Trichlorobenzene	ND		0.120	87	07/31/2016 17:40	WG892185
1,2,4-Trichlorobenzene	ND		0.120	87	07/31/2016 17:40	WG892185
1,1,1-Trichloroethane	ND		0.120	87	07/31/2016 17:40	WG892185
1,1,2-Trichloroethane	ND		0.120	87	07/31/2016 17:40	WG892185
Trichloroethene	7.95		0.120	87	07/31/2016 17:40	WG892185
Trichlorofluoromethane	ND		0.600	87	07/31/2016 17:40	WG892185
1,2,3-Trichloropropane	ND		0.300	87	07/31/2016 17:40	WG892185
1,2,4-Trimethylbenzene	ND		0.120	87	07/31/2016 17:40	WG892185
1,2,3-Trimethylbenzene	ND	J4	0.120	87	07/31/2016 17:40	WG892185
1,3,5-Trimethylbenzene	ND		0.120	87	07/31/2016 17:40	WG892185
Vinyl chloride	ND		0.120	87	07/31/2016 17:40	WG892185
Xylenes, Total	ND		0.360	87	07/31/2016 17:40	WG892185
(S) Toluene-d8	*110*		*88.7-115*		*07/31/2016 17:40*	WG892185
(S) Dibromofluoromethane	*99.6*		*76.3-123*		*07/31/2016 17:40*	WG892185
(S) a,a,a-Trifluorotoluene	*101*		*87.2-117*		*07/31/2016 17:40*	WG892185
(S) 4-Bromofluorobenzene	*96.8*		*69.7-129*		*07/31/2016 17:40*	WG892185

Sample Narrative:

8260B L848511-04 WG892185: Target compounds too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.5		1	07/23/2016 11:27	WG891393

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		14.5	210	07/30/2016 13:53	WG892185
Acrylonitrile	ND		2.90	210	07/30/2016 13:53	WG892185
Benzene	ND		0.290	210	07/30/2016 13:53	WG892185
Bromobenzene	ND		0.290	210	07/30/2016 13:53	WG892185
Bromodichloromethane	ND		0.290	210	07/30/2016 13:53	WG892185
Bromoform	ND		0.290	210	07/30/2016 13:53	WG892185
Bromomethane	ND		1.45	210	07/30/2016 13:53	WG892185
n-Butylbenzene	ND		0.290	210	07/30/2016 13:53	WG892185
sec-Butylbenzene	ND		0.290	210	07/30/2016 13:53	WG892185
tert-Butylbenzene	ND		0.290	210	07/30/2016 13:53	WG892185
Carbon tetrachloride	ND		0.290	210	07/30/2016 13:53	WG892185
Chlorobenzene	ND		0.290	210	07/30/2016 13:53	WG892185
Chlorodibromomethane	ND		0.290	210	07/30/2016 13:53	WG892185
Chloroethane	ND		1.45	210	07/30/2016 13:53	WG892185
2-Chloroethyl vinyl ether	ND		14.5	210	07/30/2016 13:53	WG892185
Chloroform	ND		1.45	210	07/30/2016 13:53	WG892185
Chloromethane	ND		0.724	210	07/30/2016 13:53	WG892185
2-Chlorotoluene	ND		0.290	210	07/30/2016 13:53	WG892185
4-Chlorotoluene	ND		0.290	210	07/30/2016 13:53	WG892185
1,2-Dibromo-3-Chloropropane	ND		1.45	210	07/30/2016 13:53	WG892185
1,2-Dibromoethane	ND		0.290	210	07/30/2016 13:53	WG892185
Dibromomethane	ND		0.290	210	07/30/2016 13:53	WG892185
1,2-Dichlorobenzene	ND		0.290	210	07/30/2016 13:53	WG892185
1,3-Dichlorobenzene	ND		0.290	210	07/30/2016 13:53	WG892185
1,4-Dichlorobenzene	ND	J4	0.290	210	07/30/2016 13:53	WG892185
Dichlorodifluoromethane	ND		1.45	210	07/30/2016 13:53	WG892185
1,1-Dichloroethane	ND		0.290	210	07/30/2016 13:53	WG892185
1,2-Dichloroethane	ND		0.290	210	07/30/2016 13:53	WG892185
1,1-Dichloroethene	ND		0.290	210	07/30/2016 13:53	WG892185
cis-1,2-Dichloroethene	ND		0.290	210	07/30/2016 13:53	WG892185
trans-1,2-Dichloroethene	ND		0.290	210	07/30/2016 13:53	WG892185
1,2-Dichloropropane	ND		0.290	210	07/30/2016 13:53	WG892185
1,1-Dichloropropene	ND		0.290	210	07/30/2016 13:53	WG892185
1,3-Dichloropropane	ND		0.290	210	07/30/2016 13:53	WG892185
cis-1,3-Dichloropropene	ND		0.290	210	07/30/2016 13:53	WG892185
trans-1,3-Dichloropropene	ND		0.290	210	07/30/2016 13:53	WG892185
2,2-Dichloropropane	ND	J4	0.290	210	07/30/2016 13:53	WG892185
Di-isopropyl ether	ND		0.290	210	07/30/2016 13:53	WG892185
Ethylbenzene	ND		0.290	210	07/30/2016 13:53	WG892185
Hexachloro-1,3-butadiene	ND		0.290	210	07/30/2016 13:53	WG892185
Isopropylbenzene	ND		0.290	210	07/30/2016 13:53	WG892185
p-Isopropyltoluene	ND		0.290	210	07/30/2016 13:53	WG892185
2-Butanone (MEK)	ND		2.90	210	07/30/2016 13:53	WG892185
Methylene Chloride	ND		1.45	210	07/30/2016 13:53	WG892185
4-Methyl-2-pentanone (MIBK)	ND	J4	2.90	210	07/30/2016 13:53	WG892185
Methyl tert-butyl ether	ND		0.290	210	07/30/2016 13:53	WG892185
Naphthalene	ND		1.45	210	07/30/2016 13:53	WG892185
n-Propylbenzene	ND		0.290	210	07/30/2016 13:53	WG892185
Styrene	ND		0.290	210	07/30/2016 13:53	WG892185
1,1,1,2-Tetrachloroethane	ND		0.290	210	07/30/2016 13:53	WG892185

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND		0.290	210	07/30/2016 13:53	WG892185
1,1,2-Trichlorotrifluoroethane	ND		0.290	210	07/30/2016 13:53	WG892185
Tetrachloroethene	ND		0.290	210	07/30/2016 13:53	WG892185
Toluene	ND		1.45	210	07/30/2016 13:53	WG892185
1,2,3-Trichlorobenzene	ND		0.290	210	07/30/2016 13:53	WG892185
1,2,4-Trichlorobenzene	ND		0.290	210	07/30/2016 13:53	WG892185
1,1,1-Trichloroethane	ND		0.290	210	07/30/2016 13:53	WG892185
1,1,2-Trichloroethane	ND		0.290	210	07/30/2016 13:53	WG892185
Trichloroethene	9.58		0.290	210	07/30/2016 13:53	WG892185
Trichlorofluoromethane	ND		1.45	210	07/30/2016 13:53	WG892185
1,2,3-Trichloropropane	ND		0.724	210	07/30/2016 13:53	WG892185
1,2,4-Trimethylbenzene	ND		0.290	210	07/30/2016 13:53	WG892185
1,2,3-Trimethylbenzene	ND	J4	0.290	210	07/30/2016 13:53	WG892185
1,3,5-Trimethylbenzene	ND		0.290	210	07/30/2016 13:53	WG892185
Vinyl chloride	ND		0.290	210	07/30/2016 13:53	WG892185
Xylenes, Total	ND		0.869	210	07/30/2016 13:53	WG892185
(S) Toluene-d8	*99.9*		*88.7-115*		*07/30/2016 13:53*	WG892185
(S) Dibromofluoromethane	*96.6*		*76.3-123*		*07/30/2016 13:53*	WG892185
(S) a,a,a-Trifluorotoluene	*96.1*		*87.2-117*		*07/30/2016 13:53*	WG892185
(S) 4-Bromofluorobenzene	*107*		*69.7-129*		*07/30/2016 13:53*	WG892185

Sample Narrative:

8260B L848511-05 WG892185: Target compounds too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	76.9		1	07/23/2016 11:27	WG891393

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		2.57	39.5	07/31/2016 18:05	WG892185
Acrylonitrile	ND		0.513	39.5	07/31/2016 18:05	WG892185
Benzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Bromobenzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Bromodichloromethane	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Bromoform	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Bromomethane	ND		0.257	39.5	07/31/2016 18:05	WG892185
n-Butylbenzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
sec-Butylbenzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
tert-Butylbenzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Carbon tetrachloride	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Chlorobenzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Chlorodibromomethane	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Chloroethane	ND		0.257	39.5	07/31/2016 18:05	WG892185
2-Chloroethyl vinyl ether	ND		2.57	39.5	07/31/2016 18:05	WG892185
Chloroform	ND		0.257	39.5	07/31/2016 18:05	WG892185
Chloromethane	ND		0.128	39.5	07/31/2016 18:05	WG892185
2-Chlorotoluene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
4-Chlorotoluene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,2-Dibromo-3-Chloropropane	ND		0.257	39.5	07/31/2016 18:05	WG892185
1,2-Dibromoethane	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Dibromomethane	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,2-Dichlorobenzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,3-Dichlorobenzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,4-Dichlorobenzene	ND	J4	0.0513	39.5	07/31/2016 18:05	WG892185
Dichlorodifluoromethane	ND		0.257	39.5	07/31/2016 18:05	WG892185
1,1-Dichloroethane	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,2-Dichloroethane	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,1-Dichloroethene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
cis-1,2-Dichloroethene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
trans-1,2-Dichloroethene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,2-Dichloropropane	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,1-Dichloropropene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,3-Dichloropropane	ND		0.0513	39.5	07/31/2016 18:05	WG892185
cis-1,3-Dichloropropene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
trans-1,3-Dichloropropene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
2,2-Dichloropropane	ND	J4	0.0513	39.5	07/31/2016 18:05	WG892185
Di-isopropyl ether	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Ethylbenzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Hexachloro-1,3-butadiene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Isopropylbenzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
p-Isopropyltoluene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
2-Butanone (MEK)	ND		0.513	39.5	07/31/2016 18:05	WG892185
Methylene Chloride	ND		0.257	39.5	07/31/2016 18:05	WG892185
4-Methyl-2-pentanone (MIBK)	ND	J4	0.513	39.5	07/31/2016 18:05	WG892185
Methyl tert-butyl ether	0.112		0.0513	39.5	07/31/2016 18:05	WG892185
Naphthalene	ND		0.257	39.5	07/31/2016 18:05	WG892185
n-Propylbenzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Styrene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,1,1,2-Tetrachloroethane	ND		0.0513	39.5	07/31/2016 18:05	WG892185

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,1,2-Trichlorotrifluoroethane	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Tetrachloroethene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Toluene	ND		0.257	39.5	07/31/2016 18:05	WG892185
1,2,3-Trichlorobenzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,2,4-Trichlorobenzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,1,1-Trichloroethane	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,1,2-Trichloroethane	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Trichloroethene	1.77		0.0513	39.5	07/31/2016 18:05	WG892185
Trichlorofluoromethane	ND		0.257	39.5	07/31/2016 18:05	WG892185
1,2,3-Trichloropropane	ND		0.128	39.5	07/31/2016 18:05	WG892185
1,2,4-Trimethylbenzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
1,2,3-Trimethylbenzene	ND	J4	0.0513	39.5	07/31/2016 18:05	WG892185
1,3,5-Trimethylbenzene	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Vinyl chloride	ND		0.0513	39.5	07/31/2016 18:05	WG892185
Xylenes, Total	ND		0.154	39.5	07/31/2016 18:05	WG892185
(S) Toluene-d8	*110*		*88.7-115*		*07/31/2016 18:05*	WG892185
(S) Dibromofluoromethane	*102*		*76.3-123*		*07/31/2016 18:05*	WG892185
(S) a,a,a-Trifluorotoluene	*100*		*87.2-117*		*07/31/2016 18:05*	WG892185
(S) 4-Bromofluorobenzene	*96.5*		*69.7-129*		*07/31/2016 18:05*	WG892185

Sample Narrative:

8260B L848511-06 WG892185: Target compounds too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.1		1	07/23/2016 11:27	WG891393

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		12.6	205	07/30/2016 14:28	WG892185
Acrylonitrile	ND		2.53	205	07/30/2016 14:28	WG892185
Benzene	ND		0.253	205	07/30/2016 14:28	WG892185
Bromobenzene	ND		0.253	205	07/30/2016 14:28	WG892185
Bromodichloromethane	ND		0.253	205	07/30/2016 14:28	WG892185
Bromoform	ND		0.253	205	07/30/2016 14:28	WG892185
Bromomethane	ND		1.26	205	07/30/2016 14:28	WG892185
n-Butylbenzene	2.51		0.253	205	07/30/2016 14:28	WG892185
sec-Butylbenzene	3.44		0.253	205	07/30/2016 14:28	WG892185
tert-Butylbenzene	ND		0.253	205	07/30/2016 14:28	WG892185
Carbon tetrachloride	ND		0.253	205	07/30/2016 14:28	WG892185
Chlorobenzene	ND		0.253	205	07/30/2016 14:28	WG892185
Chlorodibromomethane	ND		0.253	205	07/30/2016 14:28	WG892185
Chloroethane	ND		1.26	205	07/30/2016 14:28	WG892185
2-Chloroethyl vinyl ether	ND		12.6	205	07/30/2016 14:28	WG892185
Chloroform	ND		1.26	205	07/30/2016 14:28	WG892185
Chloromethane	ND		0.632	205	07/30/2016 14:28	WG892185
2-Chlorotoluene	ND		0.253	205	07/30/2016 14:28	WG892185
4-Chlorotoluene	ND		0.253	205	07/30/2016 14:28	WG892185
1,2-Dibromo-3-Chloropropane	ND		1.26	205	07/30/2016 14:28	WG892185
1,2-Dibromoethane	ND		0.253	205	07/30/2016 14:28	WG892185
Dibromomethane	ND		0.253	205	07/30/2016 14:28	WG892185
1,2-Dichlorobenzene	ND		0.253	205	07/30/2016 14:28	WG892185
1,3-Dichlorobenzene	ND		0.253	205	07/30/2016 14:28	WG892185
1,4-Dichlorobenzene	ND	J4	0.253	205	07/30/2016 14:28	WG892185
Dichlorodifluoromethane	ND		1.26	205	07/30/2016 14:28	WG892185
1,1-Dichloroethane	ND		0.253	205	07/30/2016 14:28	WG892185
1,2-Dichloroethane	ND		0.253	205	07/30/2016 14:28	WG892185
1,1-Dichloroethene	ND		0.253	205	07/30/2016 14:28	WG892185
cis-1,2-Dichloroethene	ND		0.253	205	07/30/2016 14:28	WG892185
trans-1,2-Dichloroethene	ND		0.253	205	07/30/2016 14:28	WG892185
1,2-Dichloropropane	ND		0.253	205	07/30/2016 14:28	WG892185
1,1-Dichloropropene	ND		0.253	205	07/30/2016 14:28	WG892185
1,3-Dichloropropane	ND		0.253	205	07/30/2016 14:28	WG892185
cis-1,3-Dichloropropene	ND		0.253	205	07/30/2016 14:28	WG892185
trans-1,3-Dichloropropene	ND		0.253	205	07/30/2016 14:28	WG892185
2,2-Dichloropropane	ND	J4	0.253	205	07/30/2016 14:28	WG892185
Di-isopropyl ether	ND		0.253	205	07/30/2016 14:28	WG892185
Ethylbenzene	0.430		0.253	205	07/30/2016 14:28	WG892185
Hexachloro-1,3-butadiene	ND		0.253	205	07/30/2016 14:28	WG892185
Isopropylbenzene	1.84		0.253	205	07/30/2016 14:28	WG892185
p-Isopropyltoluene	3.72		0.253	205	07/30/2016 14:28	WG892185
2-Butanone (MEK)	ND		2.53	205	07/30/2016 14:28	WG892185
Methylene Chloride	ND		1.26	205	07/30/2016 14:28	WG892185
4-Methyl-2-pentanone (MIBK)	ND	J4	2.53	205	07/30/2016 14:28	WG892185
Methyl tert-butyl ether	ND		0.253	205	07/30/2016 14:28	WG892185
Naphthalene	2.72		1.26	205	07/30/2016 14:28	WG892185
n-Propylbenzene	3.22		0.253	205	07/30/2016 14:28	WG892185
Styrene	ND		0.253	205	07/30/2016 14:28	WG892185
1,1,1,2-Tetrachloroethane	ND		0.253	205	07/30/2016 14:28	WG892185

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND		0.253	205	07/30/2016 14:28	WG892185
1,1,2-Trichlorotrifluoroethane	ND		0.253	205	07/30/2016 14:28	WG892185
Tetrachloroethene	0.651		0.253	205	07/30/2016 14:28	WG892185
Toluene	ND		1.26	205	07/30/2016 14:28	WG892185
1,2,3-Trichlorobenzene	ND		0.253	205	07/30/2016 14:28	WG892185
1,2,4-Trichlorobenzene	ND		0.253	205	07/30/2016 14:28	WG892185
1,1,1-Trichloroethane	ND		0.253	205	07/30/2016 14:28	WG892185
1,1,2-Trichloroethane	ND		0.253	205	07/30/2016 14:28	WG892185
Trichloroethene	442		5.05	4100	07/31/2016 18:29	WG892185
Trichlorofluoromethane	ND		1.26	205	07/30/2016 14:28	WG892185
1,2,3-Trichloropropane	ND		0.632	205	07/30/2016 14:28	WG892185
1,2,4-Trimethylbenzene	15.4		0.253	205	07/30/2016 14:28	WG892185
1,2,3-Trimethylbenzene	13.9	J4	0.253	205	07/30/2016 14:28	WG892185
1,3,5-Trimethylbenzene	6.70		0.253	205	07/30/2016 14:28	WG892185
Vinyl chloride	ND		0.253	205	07/30/2016 14:28	WG892185
Xylenes, Total	2.83		0.758	205	07/30/2016 14:28	WG892185
(S) Toluene-d8	*94.4*		*88.7-115*		*07/30/2016 14:28*	WG892185
(S) Toluene-d8	*108*		*88.7-115*		*07/31/2016 18:29*	WG892185
(S) Dibromofluoromethane	*99.5*		*76.3-123*		*07/31/2016 18:29*	WG892185
(S) Dibromofluoromethane	*97.6*		*76.3-123*		*07/30/2016 14:28*	WG892185
(S) α,α,α-Trifluorotoluene	*92.4*		*87.2-117*		*07/30/2016 14:28*	WG892185
(S) α,α,α-Trifluorotoluene	*100*		*87.2-117*		*07/31/2016 18:29*	WG892185
(S) 4-Bromofluorobenzene	*102*		*69.7-129*		*07/31/2016 18:29*	WG892185
(S) 4-Bromofluorobenzene	*161*	J1	*69.7-129*		*07/30/2016 14:28*	WG892185

Sample Narrative:

8260B L848511-07 WG892185: Target compounds too high to run at a lower dilution. Surrogate failure due to matrix interference.

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Diesel Range Organics (DRO)	6760		493	100	07/27/2016 18:28	WG891271
Residual Range Organics (RRO)	17100		1230	100	07/27/2016 18:28	WG891271
(S) o-Terphenyl	*0.000*	J7	*50.0-150*		*07/27/2016 18:28*	WG891271

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.8		1	07/23/2016 11:27	WG891393

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		2.82	41	07/31/2016 18:53	WG892185
Acrylonitrile	ND		0.563	41	07/31/2016 18:53	WG892185
Benzene	ND		0.0563	41	07/31/2016 18:53	WG892185
Bromobenzene	ND		0.0563	41	07/31/2016 18:53	WG892185
Bromodichloromethane	ND		0.0563	41	07/31/2016 18:53	WG892185
Bromoform	ND		0.0563	41	07/31/2016 18:53	WG892185
Bromomethane	ND		0.282	41	07/31/2016 18:53	WG892185
n-Butylbenzene	ND		0.0563	41	07/31/2016 18:53	WG892185
sec-Butylbenzene	ND		0.0563	41	07/31/2016 18:53	WG892185
tert-Butylbenzene	ND		0.0563	41	07/31/2016 18:53	WG892185
Carbon tetrachloride	ND		0.0563	41	07/31/2016 18:53	WG892185
Chlorobenzene	ND		0.0563	41	07/31/2016 18:53	WG892185
Chlorodibromomethane	ND		0.0563	41	07/31/2016 18:53	WG892185
Chloroethane	ND		0.282	41	07/31/2016 18:53	WG892185
2-Chloroethyl vinyl ether	ND		2.82	41	07/31/2016 18:53	WG892185
Chloroform	ND		0.282	41	07/31/2016 18:53	WG892185
Chloromethane	ND		0.141	41	07/31/2016 18:53	WG892185
2-Chlorotoluene	ND		0.0563	41	07/31/2016 18:53	WG892185
4-Chlorotoluene	ND		0.0563	41	07/31/2016 18:53	WG892185
1,2-Dibromo-3-Chloropropane	ND		0.282	41	07/31/2016 18:53	WG892185
1,2-Dibromoethane	ND		0.0563	41	07/31/2016 18:53	WG892185
Dibromomethane	ND		0.0563	41	07/31/2016 18:53	WG892185
1,2-Dichlorobenzene	ND		0.0563	41	07/31/2016 18:53	WG892185
1,3-Dichlorobenzene	ND		0.0563	41	07/31/2016 18:53	WG892185
1,4-Dichlorobenzene	ND	J4	0.0563	41	07/31/2016 18:53	WG892185
Dichlorodifluoromethane	ND		0.282	41	07/31/2016 18:53	WG892185
1,1-Dichloroethane	ND		0.0563	41	07/31/2016 18:53	WG892185
1,2-Dichloroethane	ND		0.0563	41	07/31/2016 18:53	WG892185
1,1-Dichloroethene	ND		0.0563	41	07/31/2016 18:53	WG892185
cis-1,2-Dichloroethene	ND		0.0563	41	07/31/2016 18:53	WG892185
trans-1,2-Dichloroethene	ND		0.0563	41	07/31/2016 18:53	WG892185
1,2-Dichloropropane	ND		0.0563	41	07/31/2016 18:53	WG892185
1,1-Dichloropropene	ND		0.0563	41	07/31/2016 18:53	WG892185
1,3-Dichloropropane	ND		0.0563	41	07/31/2016 18:53	WG892185
cis-1,3-Dichloropropene	ND		0.0563	41	07/31/2016 18:53	WG892185
trans-1,3-Dichloropropene	ND		0.0563	41	07/31/2016 18:53	WG892185
2,2-Dichloropropane	ND	J4	0.0563	41	07/31/2016 18:53	WG892185
Di-isopropyl ether	ND		0.0563	41	07/31/2016 18:53	WG892185
Ethylbenzene	ND		0.0563	41	07/31/2016 18:53	WG892185
Hexachloro-1,3-butadiene	ND		0.0563	41	07/31/2016 18:53	WG892185
Isopropylbenzene	ND		0.0563	41	07/31/2016 18:53	WG892185
p-Isopropyltoluene	ND		0.0563	41	07/31/2016 18:53	WG892185
2-Butanone (MEK)	ND		0.563	41	07/31/2016 18:53	WG892185
Methylene Chloride	ND		0.282	41	07/31/2016 18:53	WG892185
4-Methyl-2-pentanone (MIBK)	ND	J4	0.563	41	07/31/2016 18:53	WG892185
Methyl tert-butyl ether	0.111		0.0563	41	07/31/2016 18:53	WG892185
Naphthalene	ND		0.282	41	07/31/2016 18:53	WG892185
n-Propylbenzene	ND		0.0563	41	07/31/2016 18:53	WG892185
Styrene	ND		0.0563	41	07/31/2016 18:53	WG892185
1,1,1,2-Tetrachloroethane	ND		0.0563	41	07/31/2016 18:53	WG892185

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND		0.0563	41	07/31/2016 18:53	WG892185
1,1,2-Trichlorotrifluoroethane	ND		0.0563	41	07/31/2016 18:53	WG892185
Tetrachloroethene	ND		0.0563	41	07/31/2016 18:53	WG892185
Toluene	ND		0.282	41	07/31/2016 18:53	WG892185
1,2,3-Trichlorobenzene	ND		0.0563	41	07/31/2016 18:53	WG892185
1,2,4-Trichlorobenzene	ND		0.0563	41	07/31/2016 18:53	WG892185
1,1,1-Trichloroethane	ND		0.0563	41	07/31/2016 18:53	WG892185
1,1,2-Trichloroethane	ND		0.0563	41	07/31/2016 18:53	WG892185
Trichloroethene	1.91		0.0563	41	07/31/2016 18:53	WG892185
Trichlorofluoromethane	ND		0.282	41	07/31/2016 18:53	WG892185
1,2,3-Trichloropropane	ND		0.141	41	07/31/2016 18:53	WG892185
1,2,4-Trimethylbenzene	ND		0.0563	41	07/31/2016 18:53	WG892185
1,2,3-Trimethylbenzene	ND	J4	0.0563	41	07/31/2016 18:53	WG892185
1,3,5-Trimethylbenzene	ND		0.0563	41	07/31/2016 18:53	WG892185
Vinyl chloride	ND		0.0563	41	07/31/2016 18:53	WG892185
Xylenes, Total	ND		0.169	41	07/31/2016 18:53	WG892185
(S) Toluene-d8	*110*		*88.7-115*		*07/31/2016 18:53*	WG892185
(S) Dibromofluoromethane	*101*		*76.3-123*		*07/31/2016 18:53*	WG892185
(S) a,a,a-Trifluorotoluene	*102*		*87.2-117*		*07/31/2016 18:53*	WG892185
(S) 4-Bromofluorobenzene	*99.8*		*69.7-129*		*07/31/2016 18:53*	WG892185

Sample Narrative:

8260B L848511-08 WG892185: Target compounds too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.2		1	07/23/2016 11:27	WG891393

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		1.30	19.25	07/31/2016 19:18	WG892185
Acrylonitrile	ND		0.260	19.25	07/31/2016 19:18	WG892185
Benzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Bromobenzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Bromodichloromethane	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Bromoform	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Bromomethane	ND		0.130	19.25	07/31/2016 19:18	WG892185
n-Butylbenzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
sec-Butylbenzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
tert-Butylbenzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Carbon tetrachloride	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Chlorobenzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Chlorodibromomethane	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Chloroethane	ND		0.130	19.25	07/31/2016 19:18	WG892185
2-Chloroethyl vinyl ether	ND		1.30	19.25	07/31/2016 19:18	WG892185
Chloroform	ND		0.130	19.25	07/31/2016 19:18	WG892185
Chloromethane	ND		0.0649	19.25	07/31/2016 19:18	WG892185
2-Chlorotoluene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
4-Chlorotoluene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,2-Dibromo-3-Chloropropane	ND		0.130	19.25	07/31/2016 19:18	WG892185
1,2-Dibromoethane	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Dibromomethane	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,2-Dichlorobenzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,3-Dichlorobenzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,4-Dichlorobenzene	ND	J4	0.0260	19.25	07/31/2016 19:18	WG892185
Dichlorodifluoromethane	ND		0.130	19.25	07/31/2016 19:18	WG892185
1,1-Dichloroethane	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,2-Dichloroethane	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,1-Dichloroethene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
cis-1,2-Dichloroethene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
trans-1,2-Dichloroethene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,2-Dichloropropane	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,1-Dichloropropene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,3-Dichloropropane	ND		0.0260	19.25	07/31/2016 19:18	WG892185
cis-1,3-Dichloropropene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
trans-1,3-Dichloropropene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
2,2-Dichloropropane	ND	J4	0.0260	19.25	07/31/2016 19:18	WG892185
Di-isopropyl ether	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Ethylbenzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Hexachloro-1,3-butadiene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Isopropylbenzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
p-Isopropyltoluene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
2-Butanone (MEK)	ND		0.260	19.25	07/31/2016 19:18	WG892185
Methylene Chloride	ND		0.130	19.25	07/31/2016 19:18	WG892185
4-Methyl-2-pentanone (MIBK)	ND	J4	0.260	19.25	07/31/2016 19:18	WG892185
Methyl tert-butyl ether	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Naphthalene	ND		0.130	19.25	07/31/2016 19:18	WG892185
n-Propylbenzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Styrene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,1,1,2-Tetrachloroethane	ND		0.0260	19.25	07/31/2016 19:18	WG892185

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,1,2-Trichlorotrifluoroethane	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Tetrachloroethene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Toluene	ND		0.130	19.25	07/31/2016 19:18	WG892185
1,2,3-Trichlorobenzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,2,4-Trichlorobenzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,1,1-Trichloroethane	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,1,2-Trichloroethane	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Trichloroethene	1.21		0.0260	19.25	07/31/2016 19:18	WG892185
Trichlorofluoromethane	ND		0.130	19.25	07/31/2016 19:18	WG892185
1,2,3-Trichloropropane	ND		0.0649	19.25	07/31/2016 19:18	WG892185
1,2,4-Trimethylbenzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
1,2,3-Trimethylbenzene	ND	J4	0.0260	19.25	07/31/2016 19:18	WG892185
1,3,5-Trimethylbenzene	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Vinyl chloride	ND		0.0260	19.25	07/31/2016 19:18	WG892185
Xylenes, Total	ND		0.0779	19.25	07/31/2016 19:18	WG892185
(S) Toluene-d8	*109*		*88.7-115*		*07/31/2016 19:18*	WG892185
(S) Dibromofluoromethane	*99.8*		*76.3-123*		*07/31/2016 19:18*	WG892185
(S) a,a,a-Trifluorotoluene	*98.7*		*87.2-117*		*07/31/2016 19:18*	WG892185
(S) 4-Bromofluorobenzene	*97.9*		*69.7-129*		*07/31/2016 19:18*	WG892185

Sample Narrative:

8260B L848511-09 WG892185: Target compounds too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.3		1	07/23/2016 11:27	WG891393

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		14.2	207.5	07/30/2016 15:20	WG892185
Acrylonitrile	ND		2.83	207.5	07/30/2016 15:20	WG892185
Benzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
Bromobenzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
Bromodichloromethane	ND		0.283	207.5	07/30/2016 15:20	WG892185
Bromoform	ND		0.283	207.5	07/30/2016 15:20	WG892185
Bromomethane	ND		1.42	207.5	07/30/2016 15:20	WG892185
n-Butylbenzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
sec-Butylbenzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
tert-Butylbenzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
Carbon tetrachloride	ND		0.283	207.5	07/30/2016 15:20	WG892185
Chlorobenzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
Chlorodibromomethane	ND		0.283	207.5	07/30/2016 15:20	WG892185
Chloroethane	ND		1.42	207.5	07/30/2016 15:20	WG892185
2-Chloroethyl vinyl ether	ND		14.2	207.5	07/30/2016 15:20	WG892185
Chloroform	ND		1.42	207.5	07/30/2016 15:20	WG892185
Chloromethane	ND		0.708	207.5	07/30/2016 15:20	WG892185
2-Chlorotoluene	ND		0.283	207.5	07/30/2016 15:20	WG892185
4-Chlorotoluene	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,2-Dibromo-3-Chloropropane	ND		1.42	207.5	07/30/2016 15:20	WG892185
1,2-Dibromoethane	ND		0.283	207.5	07/30/2016 15:20	WG892185
Dibromomethane	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,2-Dichlorobenzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,3-Dichlorobenzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,4-Dichlorobenzene	ND	J4	0.283	207.5	07/30/2016 15:20	WG892185
Dichlorodifluoromethane	ND		1.42	207.5	07/30/2016 15:20	WG892185
1,1-Dichloroethane	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,2-Dichloroethane	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,1-Dichloroethene	ND		0.283	207.5	07/30/2016 15:20	WG892185
cis-1,2-Dichloroethene	ND		0.283	207.5	07/30/2016 15:20	WG892185
trans-1,2-Dichloroethene	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,2-Dichloropropane	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,1-Dichloropropene	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,3-Dichloropropane	ND		0.283	207.5	07/30/2016 15:20	WG892185
cis-1,3-Dichloropropene	ND		0.283	207.5	07/30/2016 15:20	WG892185
trans-1,3-Dichloropropene	ND		0.283	207.5	07/30/2016 15:20	WG892185
2,2-Dichloropropane	ND	J4	0.283	207.5	07/30/2016 15:20	WG892185
Di-isopropyl ether	ND		0.283	207.5	07/30/2016 15:20	WG892185
Ethylbenzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
Hexachloro-1,3-butadiene	ND		0.283	207.5	07/30/2016 15:20	WG892185
Isopropylbenzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
p-Isopropyltoluene	ND		0.283	207.5	07/30/2016 15:20	WG892185
2-Butanone (MEK)	ND		2.83	207.5	07/30/2016 15:20	WG892185
Methylene Chloride	ND		1.42	207.5	07/30/2016 15:20	WG892185
4-Methyl-2-pentanone (MIBK)	ND	J4	2.83	207.5	07/30/2016 15:20	WG892185
Methyl tert-butyl ether	ND		0.283	207.5	07/30/2016 15:20	WG892185
Naphthalene	ND		1.42	207.5	07/30/2016 15:20	WG892185
n-Propylbenzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
Styrene	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,1,1,2-Tetrachloroethane	ND		0.283	207.5	07/30/2016 15:20	WG892185

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,1,2-Trichlorotrifluoroethane	ND		0.283	207.5	07/30/2016 15:20	WG892185
Tetrachloroethene	ND		0.283	207.5	07/30/2016 15:20	WG892185
Toluene	ND		1.42	207.5	07/30/2016 15:20	WG892185
1,2,3-Trichlorobenzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,2,4-Trichlorobenzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,1,1-Trichloroethane	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,1,2-Trichloroethane	ND		0.283	207.5	07/30/2016 15:20	WG892185
Trichloroethene	4.93		0.283	207.5	07/30/2016 15:20	WG892185
Trichlorofluoromethane	ND		1.42	207.5	07/30/2016 15:20	WG892185
1,2,3-Trichloropropane	ND		0.708	207.5	07/30/2016 15:20	WG892185
1,2,4-Trimethylbenzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
1,2,3-Trimethylbenzene	ND	J4	0.283	207.5	07/30/2016 15:20	WG892185
1,3,5-Trimethylbenzene	ND		0.283	207.5	07/30/2016 15:20	WG892185
Vinyl chloride	ND		0.283	207.5	07/30/2016 15:20	WG892185
Xylenes, Total	ND		0.850	207.5	07/30/2016 15:20	WG892185
(S) Toluene-d8	*102*		*88.7-115*		*07/30/2016 15:20*	WG892185
(S) Dibromofluoromethane	*96.3*		*76.3-123*		*07/30/2016 15:20*	WG892185
(S) a,a,a-Trifluorotoluene	*97.1*		*87.2-117*		*07/30/2016 15:20*	WG892185
(S) 4-Bromofluorobenzene	*100*		*69.7-129*		*07/30/2016 15:20*	WG892185

Sample Narrative:

8260B L848511-10 WG892185: Target compounds too high to run at a lower dilution.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	74.7		1	07/23/2016 11:27	WG891393

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		1.42	21.25	07/31/2016 22:56	WG892210
Acrylonitrile	ND	J3	0.284	21.25	07/31/2016 22:56	WG892210
Benzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Bromobenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Bromodichloromethane	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Bromoform	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Bromomethane	ND		0.142	21.25	07/31/2016 22:56	WG892210
n-Butylbenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
sec-Butylbenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
tert-Butylbenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Carbon tetrachloride	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Chlorobenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Chlorodibromomethane	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Chloroethane	ND		0.142	21.25	07/31/2016 22:56	WG892210
2-Chloroethyl vinyl ether	ND		1.42	21.25	07/31/2016 22:56	WG892210
Chloroform	ND		0.142	21.25	07/31/2016 22:56	WG892210
Chloromethane	ND		0.0711	21.25	07/31/2016 22:56	WG892210
2-Chlorotoluene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
4-Chlorotoluene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
1,2-Dibromo-3-Chloropropane	ND		0.142	21.25	07/31/2016 22:56	WG892210
1,2-Dibromoethane	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Dibromomethane	ND		0.0284	21.25	07/31/2016 22:56	WG892210
1,2-Dichlorobenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
1,3-Dichlorobenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
1,4-Dichlorobenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Dichlorodifluoromethane	ND		0.142	21.25	07/31/2016 22:56	WG892210
1,1-Dichloroethane	ND		0.0284	21.25	07/31/2016 22:56	WG892210
1,2-Dichloroethane	ND		0.0284	21.25	07/31/2016 22:56	WG892210
1,1-Dichloroethene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
cis-1,2-Dichloroethene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
trans-1,2-Dichloroethene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
1,2-Dichloropropane	ND		0.0284	21.25	07/31/2016 22:56	WG892210
1,1-Dichloropropene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
1,3-Dichloropropane	ND	J4	0.0284	21.25	07/31/2016 22:56	WG892210
cis-1,3-Dichloropropene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
trans-1,3-Dichloropropene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
2,2-Dichloropropane	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Di-isopropyl ether	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Ethylbenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Hexachloro-1,3-butadiene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Isopropylbenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
p-Isopropyltoluene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
2-Butanone (MEK)	ND		0.284	21.25	07/31/2016 22:56	WG892210
Methylene Chloride	ND		0.142	21.25	07/31/2016 22:56	WG892210
4-Methyl-2-pentanone (MIBK)	ND	J4	0.284	21.25	07/31/2016 22:56	WG892210
Methyl tert-butyl ether	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Naphthalene	ND		0.142	21.25	07/31/2016 22:56	WG892210
n-Propylbenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Styrene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
1,1,1,2-Tetrachloroethane	ND		0.0284	21.25	07/31/2016 22:56	WG892210

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	0.140		0.0284	21.25	07/31/2016 22:56	WG892210
1,1,2-Trichlorotrifluoroethane	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Tetrachloroethene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Toluene	ND		0.142	21.25	07/31/2016 22:56	WG892210
1,2,3-Trichlorobenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
1,2,4-Trichlorobenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
1,1,1-Trichloroethane	ND		0.0284	21.25	07/31/2016 22:56	WG892210
1,1,2-Trichloroethane	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Trichloroethene	0.0428		0.0284	21.25	07/31/2016 22:56	WG892210
Trichlorofluoromethane	ND		0.142	21.25	07/31/2016 22:56	WG892210
1,2,3-Trichloropropane	ND		0.0711	21.25	07/31/2016 22:56	WG892210
1,2,4-Trimethylbenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
1,2,3-Trimethylbenzene	ND	J4	0.0284	21.25	07/31/2016 22:56	WG892210
1,3,5-Trimethylbenzene	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Vinyl chloride	ND		0.0284	21.25	07/31/2016 22:56	WG892210
Xylenes, Total	ND		0.0853	21.25	07/31/2016 22:56	WG892210
(S) Toluene-d8	*110*		*88.7-115*		*07/31/2016 22:56*	WG892210
(S) Dibromofluoromethane	*99.8*		*76.3-123*		*07/31/2016 22:56*	WG892210
(S) a,a,a-Trifluorotoluene	*102*		*87.2-117*		*07/31/2016 22:56*	WG892210
(S) 4-Bromofluorobenzene	*100*		*69.7-129*		*07/31/2016 22:56*	WG892210

Sample Narrative:

8260B L848511-11 WG892210: No bisulfates remain for analysis.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.3		1	07/23/2016 11:27	WG891393

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Acetone	ND		1.72	25.25	07/31/2016 23:20	WG892210
Acrylonitrile	ND	J3	0.345	25.25	07/31/2016 23:20	WG892210
Benzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Bromobenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Bromodichloromethane	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Bromoform	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Bromomethane	ND		0.172	25.25	07/31/2016 23:20	WG892210
n-Butylbenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
sec-Butylbenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
tert-Butylbenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Carbon tetrachloride	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Chlorobenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Chlorodibromomethane	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Chloroethane	ND		0.172	25.25	07/31/2016 23:20	WG892210
2-Chloroethyl vinyl ether	ND		1.72	25.25	07/31/2016 23:20	WG892210
Chloroform	ND		0.172	25.25	07/31/2016 23:20	WG892210
Chloromethane	ND		0.0861	25.25	07/31/2016 23:20	WG892210
2-Chlorotoluene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
4-Chlorotoluene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
1,2-Dibromo-3-Chloropropane	ND		0.172	25.25	07/31/2016 23:20	WG892210
1,2-Dibromoethane	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Dibromomethane	ND		0.0345	25.25	07/31/2016 23:20	WG892210
1,2-Dichlorobenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
1,3-Dichlorobenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
1,4-Dichlorobenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Dichlorodifluoromethane	ND		0.172	25.25	07/31/2016 23:20	WG892210
1,1-Dichloroethane	ND		0.0345	25.25	07/31/2016 23:20	WG892210
1,2-Dichloroethane	ND		0.0345	25.25	07/31/2016 23:20	WG892210
1,1-Dichloroethene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
cis-1,2-Dichloroethene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
trans-1,2-Dichloroethene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
1,2-Dichloropropane	ND		0.0345	25.25	07/31/2016 23:20	WG892210
1,1-Dichloropropene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
1,3-Dichloropropane	ND	J4	0.0345	25.25	07/31/2016 23:20	WG892210
cis-1,3-Dichloropropene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
trans-1,3-Dichloropropene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
2,2-Dichloropropane	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Di-isopropyl ether	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Ethylbenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Hexachloro-1,3-butadiene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Isopropylbenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
p-Isopropyltoluene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
2-Butanone (MEK)	ND		0.345	25.25	07/31/2016 23:20	WG892210
Methylene Chloride	ND		0.172	25.25	07/31/2016 23:20	WG892210
4-Methyl-2-pentanone (MIBK)	ND	J4	0.345	25.25	07/31/2016 23:20	WG892210
Methyl tert-butyl ether	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Naphthalene	ND		0.172	25.25	07/31/2016 23:20	WG892210
n-Propylbenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Styrene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
1,1,1,2-Tetrachloroethane	ND		0.0345	25.25	07/31/2016 23:20	WG892210

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	0.109		0.0345	25.25	07/31/2016 23:20	WG892210
1,1,2-Trichlorotrifluoroethane	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Tetrachloroethene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Toluene	ND		0.172	25.25	07/31/2016 23:20	WG892210
1,2,3-Trichlorobenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
1,2,4-Trichlorobenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
1,1,1-Trichloroethane	ND		0.0345	25.25	07/31/2016 23:20	WG892210
1,1,2-Trichloroethane	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Trichloroethene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Trichlorofluoromethane	ND		0.172	25.25	07/31/2016 23:20	WG892210
1,2,3-Trichloropropane	ND		0.0861	25.25	07/31/2016 23:20	WG892210
1,2,4-Trimethylbenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
1,2,3-Trimethylbenzene	ND	J4	0.0345	25.25	07/31/2016 23:20	WG892210
1,3,5-Trimethylbenzene	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Vinyl chloride	ND		0.0345	25.25	07/31/2016 23:20	WG892210
Xylenes, Total	ND		0.103	25.25	07/31/2016 23:20	WG892210
(S) Toluene-d8	*110*		*88.7-115*		*07/31/2016 23:20*	WG892210
(S) Dibromofluoromethane	*101*		*76.3-123*		*07/31/2016 23:20*	WG892210
(S) a,a,a-Trifluorotoluene	*101*		*87.2-117*		*07/31/2016 23:20*	WG892210
(S) 4-Bromofluorobenzene	*102*		*69.7-129*		*07/31/2016 23:20*	WG892210

Sample Narrative:

8260B L848511-12 WG892210: No bisulfates remain for analysis.

Method Blank (MB)

(MB) R3151869-1 07/23/16 11:17

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000200			

L848511-03 Original Sample (OS) • Duplicate (DUP)

(OS) L848511-03 07/23/16 11:17 • (DUP) R3151869-3 07/23/16 11:17

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	80.7	82.9	1	2.64		5

Laboratory Control Sample (LCS)

(LCS) R3151869-2 07/23/16 11:17

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3151870-1 07/23/16 11:27

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000400			

L848511-12 Original Sample (OS) • Duplicate (DUP)

(OS) L848511-12 07/23/16 11:27 • (DUP) R3151870-3 07/23/16 11:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	73.3	73.2	1	0.0824		5

Laboratory Control Sample (LCS)

(LCS) R3151870-2 07/23/16 11:27

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3153439-1 07/30/16 06:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
2-Chloroethyl vinyl ether	U		0.00234	0.0500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100

Method Blank (MB)

(MB) R3153439-1 07/30/16 06:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*103*			*88.7-115*
(S) Dibromofluoromethane	*100*			*76.3-123*
(S) a,a,a-Trifluorotoluene	*98.1*			*87.2-117*
(S) 4-Bromofluorobenzene	*99.0*			*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3153439-2 07/30/16 06:52 • (LCSD) R3153439-3 07/30/16 07:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.125	0.123	100	98.3	25.3-178			2.04	22.9
Acrylonitrile	0.125	0.118	0.118	94.0	94.8	57.8-143			0.790	20
Benzene	0.0250	0.0208	0.0196	83.4	78.6	72.6-120			5.97	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3153439-2 07/30/16 06:52 • (LCSD) R3153439-3 07/30/16 07:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	0.0250	0.0218	0.0208	87.3	83.2	80.3-115			4.78	20
Bromodichloromethane	0.0250	0.0214	0.0214	85.5	85.4	75.3-119			0.120	20
Bromoform	0.0250	0.0243	0.0243	97.2	97.2	69.1-135			0.0600	20
Bromomethane	0.0250	0.0199	0.0201	79.7	80.2	23.0-191			0.680	20
n-Butylbenzene	0.0250	0.0200	0.0187	80.0	75.0	74.2-134			6.49	20
sec-Butylbenzene	0.0250	0.0207	0.0197	82.7	78.7	77.8-129			4.96	20
tert-Butylbenzene	0.0250	0.0228	0.0213	91.1	85.2	77.2-129			6.72	20
Carbon tetrachloride	0.0250	0.0204	0.0194	81.4	77.8	69.4-129			4.62	20
Chlorobenzene	0.0250	0.0247	0.0229	98.9	91.4	78.9-122			7.86	20
Chlorodibromomethane	0.0250	0.0269	0.0255	107	102	76.4-126			5.10	20
Chloroethane	0.0250	0.0163	0.0168	65.0	67.1	47.2-147			3.09	20
2-Chloroethyl vinyl ether	0.125	0.145	0.144	116	115	16.7-162			0.950	23.7
Chloroform	0.0250	0.0205	0.0195	82.0	78.2	73.3-122			4.82	20
Chloromethane	0.0250	0.0220	0.0218	87.9	87.2	53.1-135			0.750	20
2-Chlorotoluene	0.0250	0.0217	0.0202	87.0	80.9	74.6-127			7.25	20
4-Chlorotoluene	0.0250	0.0226	0.0210	90.2	84.0	79.5-123			7.11	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0232	0.0263	93.0	105	64.9-131			12.2	20
1,2-Dibromoethane	0.0250	0.0277	0.0271	111	109	78.7-123			2.03	20
Dibromomethane	0.0250	0.0234	0.0233	93.6	93.3	78.5-117			0.330	20
1,2-Dichlorobenzene	0.0250	0.0224	0.0214	89.5	85.6	83.6-119			4.43	20
1,3-Dichlorobenzene	0.0250	0.0219	0.0213	87.6	85.0	75.9-129			3.01	20
1,4-Dichlorobenzene	0.0250	0.0210	0.0198	84.0	79.2	81.0-115		J4	5.93	20
Dichlorodifluoromethane	0.0250	0.0186	0.0184	74.2	73.5	50.9-139			0.930	20
1,1-Dichloroethane	0.0250	0.0214	0.0206	85.6	82.5	71.7-125			3.72	20
1,2-Dichloroethane	0.0250	0.0226	0.0219	90.3	87.7	67.2-121			2.92	20
1,1-Dichloroethene	0.0250	0.0193	0.0188	77.3	75.3	60.6-133			2.73	20
cis-1,2-Dichloroethene	0.0250	0.0213	0.0204	85.3	81.5	76.1-121			4.52	20
trans-1,2-Dichloroethene	0.0250	0.0211	0.0203	84.4	81.3	70.7-124			3.77	20
1,2-Dichloropropane	0.0250	0.0226	0.0222	90.6	88.9	76.9-123			1.89	20
1,1-Dichloropropene	0.0250	0.0209	0.0199	83.5	79.7	71.2-126			4.56	20
1,3-Dichloropropane	0.0250	0.0280	0.0264	112	106	80.3-114			5.69	20
cis-1,3-Dichloropropene	0.0250	0.0246	0.0232	98.4	93.0	77.3-123			5.60	20
trans-1,3-Dichloropropene	0.0250	0.0258	0.0254	103	101	73.0-127			1.65	20
2,2-Dichloropropane	0.0250	0.0162	0.0152	64.9	60.8	61.9-132		J4	6.57	20
Di-isopropyl ether	0.0250	0.0256	0.0248	103	99.2	67.2-131			3.26	20
Ethylbenzene	0.0250	0.0231	0.0209	92.5	83.6	78.6-124			10.1	20
Hexachloro-1,3-butadiene	0.0250	0.0204	0.0190	81.7	75.9	69.2-136			7.36	20
Isopropylbenzene	0.0250	0.0215	0.0200	85.9	80.0	79.4-126			7.10	20
p-Isopropyltoluene	0.0250	0.0216	0.0200	86.2	80.0	75.4-132			7.51	20
2-Butanone (MEK)	0.125	0.136	0.158	109	127	44.5-154			15.1	21.3

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3153439-2 07/30/16 06:52 • (LCSD) R3153439-3 07/30/16 07:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methylene Chloride	0.0250	0.0207	0.0201	82.8	80.6	68.2-119			2.80	20
4-Methyl-2-pentanone (MIBK)	0.125	0.164	0.180	131	144	61.1-138		J4	9.44	20
Methyl tert-butyl ether	0.0250	0.0216	0.0213	86.5	85.2	70.2-122			1.51	20
Naphthalene	0.0250	0.0212	0.0226	84.9	90.5	69.9-132			6.42	20
n-Propylbenzene	0.0250	0.0217	0.0202	86.8	80.7	80.2-124			7.34	20
Styrene	0.0250	0.0241	0.0222	96.3	88.7	79.4-124			8.27	20
1,1,1,2-Tetrachloroethane	0.0250	0.0225	0.0212	90.2	85.0	76.7-127			5.93	20
1,1,2,2-Tetrachloroethane	0.0250	0.0228	0.0234	91.3	93.4	78.8-124			2.36	20
Tetrachloroethene	0.0250	0.0235	0.0215	93.9	86.0	71.1-133			8.74	20
Toluene	0.0250	0.0218	0.0203	87.3	81.0	76.7-116			7.41	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0205	0.0201	82.0	80.2	62.6-138			2.20	20
1,2,3-Trichlorobenzene	0.0250	0.0213	0.0206	85.3	82.3	72.5-137			3.53	20
1,2,4-Trichlorobenzene	0.0250	0.0200	0.0199	79.8	79.7	74.0-137			0.210	20
1,1,1-Trichloroethane	0.0250	0.0183	0.0181	73.1	72.4	69.9-127			1.07	20
1,1,2-Trichloroethane	0.0250	0.0248	0.0242	99.1	96.9	81.9-119			2.26	20
Trichloroethene	0.0250	0.0216	0.0208	86.4	83.1	77.2-122			3.85	20
Trichlorofluoromethane	0.0250	0.0212	0.0202	84.7	80.7	51.5-151			4.85	20
1,2,3-Trichloropropane	0.0250	0.0272	0.0289	109	116	74.0-124			6.23	20
1,2,3-Trimethylbenzene	0.0250	0.0200	0.0189	79.9	75.7	79.4-118		J4	5.39	20
1,2,4-Trimethylbenzene	0.0250	0.0205	0.0197	82.1	78.9	77.1-124			3.99	20
1,3,5-Trimethylbenzene	0.0250	0.0213	0.0197	85.2	79.0	79.0-125			7.66	20
Vinyl chloride	0.0250	0.0182	0.0177	72.7	70.9	58.4-134			2.52	20
Xylenes, Total	0.0750	0.0672	0.0625	89.6	83.3	78.1-123			7.26	20
(S) Toluene-d8				*101*	*101*	*88.7-115*				
(S) Dibromofluoromethane				*97.0*	*102*	*76.3-123*				
(S) a,a,a-Trifluorotoluene				*97.1*	*96.0*	*87.2-117*				
(S) 4-Bromofluorobenzene				*97.5*	*96.8*	*69.7-129*				

L848505-43 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L848505-43 07/30/16 10:07 • (MS) R3153439-4 07/30/16 08:58 • (MSD) R3153439-5 07/30/16 09:15

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.151	0.0810	0.119	0.117	25.0	24.2	1	10.0-130			1.03	31.5
Acrylonitrile	0.151	ND	0.162	0.175	107	116	1	39.3-152			7.68	27.2
Benzene	0.0301	ND	0.0200	0.0214	66.4	71.2	1	47.8-131			6.94	22.8
Bromobenzene	0.0301	ND	0.0170	0.0216	56.6	71.8	1	40.0-130			23.7	27.4
Bromodichloromethane	0.0301	ND	0.0205	0.0228	68.1	75.6	1	50.6-128			10.4	22.8
Bromoform	0.0301	ND	0.0236	0.0286	78.5	95.0	1	43.3-139			19.0	25.9

L848505-43 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L848505-43 07/30/16 10:07 • (MS) R3153439-4 07/30/16 08:58 • (MSD) R3153439-5 07/30/16 09:15

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromomethane	0.0301	ND	0.0206	0.0209	68.3	69.4	1	5.00-189			1.63	26.7
n-Butylbenzene	0.0301	ND	0.0127	0.0206	42.1	68.5	1	23.6-146		J3	47.7	39.2
sec-Butylbenzene	0.0301	ND	0.0132	0.0211	43.9	70.1	1	31.0-142		J3	46.0	34.7
tert-Butylbenzene	0.0301	ND	0.0146	0.0228	48.5	75.5	1	36.9-142		J3	43.5	31.7
Carbon tetrachloride	0.0301	ND	0.0196	0.0236	64.9	78.4	1	46.0-140			18.8	27.2
Chlorobenzene	0.0301	ND	0.0188	0.0234	62.4	77.8	1	44.1-134			21.9	25.7
Chlorodibromomethane	0.0301	ND	0.0242	0.0285	80.3	94.4	1	49.7-134			16.2	24
Chloroethane	0.0301	ND	0.0172	0.0187	57.1	61.9	1	5.00-164			8.14	28.4
2-Chloroethyl vinyl ether	0.151	ND	ND	ND	0.000	0.000	1	5.00-159	J6	J6	0.000	40
Chloroform	0.0301	ND	0.0200	0.0211	66.5	69.9	1	51.2-133			5.01	22.8
Chloromethane	0.0301	ND	0.0226	0.0228	75.1	75.6	1	31.4-141			0.650	24.6
2-Chlorotoluene	0.0301	ND	0.0153	0.0212	50.7	70.3	1	36.1-137		J3	32.5	28.9
4-Chlorotoluene	0.0301	ND	0.0155	0.0213	51.5	70.8	1	35.4-137		J3	31.5	29.8
1,2-Dibromo-3-Chloropropane	0.0301	ND	0.0322	0.0417	107	138	1	40.4-138			25.5	30.8
1,2-Dibromoethane	0.0301	ND	0.0283	0.0333	94.0	110	1	50.2-133			16.0	23.6
Dibromomethane	0.0301	ND	0.0254	0.0272	84.2	90.2	1	52.4-128			6.87	23
1,2-Dichlorobenzene	0.0301	ND	0.0161	0.0226	53.4	75.1	1	34.6-139		J3	33.9	29.9
1,3-Dichlorobenzene	0.0301	ND	0.0151	0.0212	50.3	70.3	1	28.4-142		J3	33.3	31.2
1,4-Dichlorobenzene	0.0301	ND	0.0153	0.0212	50.6	70.3	1	35.0-133		J3	32.5	31.1
Dichlorodifluoromethane	0.0301	ND	0.0201	0.0224	66.7	74.4	1	31.2-144			11.0	30.2
1,1-Dichloroethane	0.0301	ND	0.0213	0.0224	70.7	74.4	1	49.1-136			5.07	22.9
1,2-Dichloroethane	0.0301	ND	0.0237	0.0252	78.7	83.7	1	47.1-129			6.17	22.7
1,1-Dichloroethene	0.0301	ND	0.0202	0.0214	67.2	71.2	1	36.1-142			5.75	25.6
cis-1,2-Dichloroethene	0.0301	ND	0.0205	0.0220	68.0	72.9	1	50.6-133			6.90	23
trans-1,2-Dichloroethene	0.0301	ND	0.0207	0.0217	68.6	72.1	1	43.8-135			4.87	24.8
1,2-Dichloropropane	0.0301	ND	0.0219	0.0244	72.7	81.0	1	50.3-134			10.7	22.7
1,1-Dichloropropene	0.0301	ND	0.0204	0.0226	67.6	75.0	1	43.0-137			10.4	26.4
1,3-Dichloropropane	0.0301	ND	0.0278	0.0316	92.3	105	1	51.4-127			12.8	23.1
cis-1,3-Dichloropropene	0.0301	ND	0.0239	0.0264	79.2	87.8	1	48.4-134			10.2	23.6
trans-1,3-Dichloropropene	0.0301	ND	0.0270	0.0301	89.5	99.8	1	46.6-135			10.9	25.3
2,2-Dichloropropane	0.0301	ND	0.0165	0.0183	54.8	60.9	1	45.2-141			10.5	26.6
Di-isopropyl ether	0.0301	ND	0.0249	0.0266	82.5	88.3	1	46.7-140			6.83	23.5
Ethylbenzene	0.0301	ND	0.0165	0.0222	54.8	73.8	1	44.8-135		J3	29.6	26.9
Hexachloro-1,3-butadiene	0.0301	ND	0.0121	0.0206	40.0	68.5	1	10.0-149		J3	52.5	40
Isopropylbenzene	0.0301	ND	0.0146	0.0216	48.5	71.7	1	41.9-139		J3	38.5	29.3
p-Isopropyltoluene	0.0301	ND	0.0135	0.0215	44.8	71.3	1	27.3-146		J3	45.7	35.1
2-Butanone (MEK)	0.151	ND	0.170	0.185	108	117	1	23.9-170			8.30	28.3
Methylene Chloride	0.0301	ND	0.0202	0.0217	67.1	72.1	1	46.7-125			7.15	22.2
4-Methyl-2-pentanone (MIBK)	0.151	ND	0.267	0.296	177	196	1	42.4-146	J5	J5	10.3	26.7

L848505-43 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L848505-43 07/30/16 10:07 • (MS) R3153439-4 07/30/16 08:58 • (MSD) R3153439-5 07/30/16 09:15

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	0.0301	ND	0.0239	0.0258	79.3	85.8	1	50.4-131			7.84	24.8
Naphthalene	0.0301	ND	0.0193	0.0294	64.2	97.4	1	18.4-145		J3	41.2	34
n-Propylbenzene	0.0301	ND	0.0144	0.0216	47.7	71.7	1	35.2-139		J3	40.1	31.9
Styrene	0.0301	ND	0.0176	0.0227	58.3	75.2	1	39.7-137			25.3	28.2
1,1,1,2-Tetrachloroethane	0.0301	ND	0.0175	0.0219	58.2	72.5	1	48.8-136			21.9	25.5
1,1,2,2-Tetrachloroethane	0.0301	ND	0.0263	0.0320	87.4	106	1	45.7-140			19.6	26.4
Tetrachloroethene	0.0301	ND	0.0174	0.0233	57.8	77.2	1	37.7-140			28.8	29.2
Toluene	0.0301	ND	0.0191	0.0220	63.3	73.1	1	47.8-127			14.3	24.3
1,1,2-Trichlorotrifluoroethane	0.0301	ND	0.0198	0.0250	65.7	82.8	1	35.7-146			23.1	28.8
1,2,3-Trichlorobenzene	0.0301	ND	0.0138	0.0226	45.7	74.9	1	10.0-150		J3	48.4	38.5
1,2,4-Trichlorobenzene	0.0301	ND	0.0131	0.0209	43.4	69.5	1	10.0-153		J3	46.2	39.3
1,1,1-Trichloroethane	0.0301	ND	0.0189	0.0208	62.8	68.9	1	49.0-138			9.28	25.3
1,1,2-Trichloroethane	0.0301	ND	0.0250	0.0285	83.1	94.6	1	52.3-132			13.0	23.4
Trichloroethene	0.0301	ND	0.0194	0.0221	64.5	73.5	1	48.0-132			13.0	24.8
Trichlorofluoromethane	0.0301	ND	0.0220	0.0241	73.0	79.9	1	12.8-169			9.02	29.7
1,2,3-Trichloropropane	0.0301	ND	0.0343	0.0398	114	132	1	44.4-138			14.8	26.3
1,2,3-Trimethylbenzene	0.0301	ND	0.0135	0.0199	44.9	66.1	1	41.0-133		J3	38.2	27.6
1,2,4-Trimethylbenzene	0.0301	ND	0.0137	0.0200	45.5	66.4	1	32.9-139		J3	37.4	30.6
1,3,5-Trimethylbenzene	0.0301	ND	0.0136	0.0202	45.0	67.1	1	37.1-138		J3	39.4	30.6
Vinyl chloride	0.0301	ND	0.0197	0.0207	65.4	68.9	1	32.0-146			5.13	26.3
Xylenes, Total	0.0904	ND	0.0480	0.0642	53.1	71.1	1	42.7-135		J3	29.0	26.6
(S) Toluene-d8					*103*	*101*		*88.7-115*				
(S) Dibromofluoromethane					*102*	*103*		*76.3-123*				
(S) a,a,a-Trifluorotoluene					*95.6*	*96.8*		*87.2-117*				
(S) 4-Bromofluorobenzene					*95.2*	*96.4*		*69.7-129*				

Method Blank (MB)

(MB) R3153330-3 07/29/16 13:27

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
2-Chloroethyl vinyl ether	U		0.00234	0.0500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
2,2-Dichloropropane	U		0.000279	0.00100
Di-isopropyl ether	U		0.000248	0.00100
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100

Method Blank (MB)

(MB) R3153330-3 07/29/16 13:27

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	*101*			*88.7-115*
(S) Dibromofluoromethane	*101*			*76.3-123*
(S) a,a,a-Trifluorotoluene	*97.3*			*87.2-117*
(S) 4-Bromofluorobenzene	*102*			*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3153330-1 07/29/16 12:00 • (LCSD) R3153330-2 07/29/16 12:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.124	0.104	99.4	83.1	25.3-178			17.9	22.9
Acrylonitrile	0.125	0.133	0.105	107	84.3	57.8-143		J3	23.5	20
Benzene	0.0250	0.0219	0.0205	87.7	82.2	72.6-120			6.45	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3153330-1 07/29/16 12:00 • (LCSD) R3153330-2 07/29/16 12:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromobenzene	0.0250	0.0225	0.0215	90.1	86.0	80.3-115			4.57	20
Bromodichloromethane	0.0250	0.0225	0.0206	89.8	82.2	75.3-119			8.89	20
Bromoform	0.0250	0.0249	0.0227	99.5	90.8	69.1-135			9.20	20
Bromomethane	0.0250	0.0216	0.0201	86.2	80.4	23.0-191			6.98	20
n-Butylbenzene	0.0250	0.0198	0.0204	79.2	81.7	74.2-134			3.06	20
sec-Butylbenzene	0.0250	0.0205	0.0208	81.9	83.3	77.8-129			1.72	20
tert-Butylbenzene	0.0250	0.0219	0.0222	87.7	88.7	77.2-129			1.06	20
Carbon tetrachloride	0.0250	0.0210	0.0203	84.0	81.2	69.4-129			3.38	20
Chlorobenzene	0.0250	0.0245	0.0238	98.1	95.0	78.9-122			3.23	20
Chlorodibromomethane	0.0250	0.0267	0.0245	107	98.1	76.4-126			8.41	20
Chloroethane	0.0250	0.0172	0.0164	68.8	65.7	47.2-147			4.56	20
2-Chloroethyl vinyl ether	0.125	0.163	0.146	131	117	16.7-162			11.3	23.7
Chloroform	0.0250	0.0211	0.0199	84.4	79.6	73.3-122			5.95	20
Chloromethane	0.0250	0.0241	0.0227	96.3	90.7	53.1-135			6.05	20
2-Chlorotoluene	0.0250	0.0215	0.0210	86.0	83.9	74.6-127			2.43	20
4-Chlorotoluene	0.0250	0.0223	0.0223	89.2	89.1	79.5-123			0.130	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0240	0.0207	96.1	82.9	64.9-131			14.8	20
1,2-Dibromoethane	0.0250	0.0293	0.0266	117	106	78.7-123			9.97	20
Dibromomethane	0.0250	0.0250	0.0218	100	87.4	78.5-117			13.6	20
1,2-Dichlorobenzene	0.0250	0.0222	0.0211	88.7	84.2	83.6-119			5.15	20
1,3-Dichlorobenzene	0.0250	0.0218	0.0218	87.4	87.3	75.9-129			0.150	20
1,4-Dichlorobenzene	0.0250	0.0208	0.0210	83.4	84.0	81.0-115			0.750	20
Dichlorodifluoromethane	0.0250	0.0203	0.0204	81.2	81.7	50.9-139			0.580	20
1,1-Dichloroethane	0.0250	0.0227	0.0209	90.6	83.4	71.7-125			8.27	20
1,2-Dichloroethane	0.0250	0.0232	0.0213	92.6	85.1	67.2-121			8.49	20
1,1-Dichloroethene	0.0250	0.0208	0.0198	83.3	79.3	60.6-133			4.90	20
cis-1,2-Dichloroethene	0.0250	0.0226	0.0211	90.4	84.5	76.1-121			6.77	20
trans-1,2-Dichloroethene	0.0250	0.0223	0.0213	89.1	85.2	70.7-124			4.59	20
1,2-Dichloropropane	0.0250	0.0246	0.0223	98.4	89.2	76.9-123			9.81	20
1,1-Dichloropropene	0.0250	0.0220	0.0214	87.9	85.5	71.2-126			2.77	20
1,3-Dichloropropane	0.0250	0.0287	0.0266	115	106	80.3-114	J4		7.34	20
cis-1,3-Dichloropropene	0.0250	0.0267	0.0248	107	99.0	77.3-123			7.54	20
trans-1,3-Dichloropropene	0.0250	0.0283	0.0259	113	104	73.0-127			8.65	20
2,2-Dichloropropane	0.0250	0.0160	0.0161	64.1	64.5	61.9-132			0.670	20
Di-isopropyl ether	0.0250	0.0270	0.0247	108	98.7	67.2-131			8.91	20
Ethylbenzene	0.0250	0.0226	0.0219	90.3	87.5	78.6-124			3.18	20
Hexachloro-1,3-butadiene	0.0250	0.0199	0.0206	79.4	82.2	69.2-136			3.47	20
Isopropylbenzene	0.0250	0.0208	0.0206	83.0	82.5	79.4-126			0.610	20
p-Isopropyltoluene	0.0250	0.0209	0.0214	83.6	85.6	75.4-132			2.38	20
2-Butanone (MEK)	0.125	0.158	0.136	126	109	44.5-154			15.1	21.3

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3153330-1 07/29/16 12:00 • (LCSD) R3153330-2 07/29/16 12:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methylene Chloride	0.0250	0.0217	0.0199	87.0	79.4	68.2-119			9.09	20
4-Methyl-2-pentanone (MIBK)	0.125	0.180	0.155	144	124	61.1-138	J4		14.4	20
Methyl tert-butyl ether	0.0250	0.0225	0.0201	90.0	80.3	70.2-122			11.4	20
Naphthalene	0.0250	0.0216	0.0197	86.6	78.6	69.9-132			9.66	20
n-Propylbenzene	0.0250	0.0214	0.0216	85.7	86.3	80.2-124			0.690	20
Styrene	0.0250	0.0239	0.0229	95.6	91.6	79.4-124			4.23	20
1,1,1,2-Tetrachloroethane	0.0250	0.0221	0.0206	88.3	82.2	76.7-127			7.11	20
1,1,2,2-Tetrachloroethane	0.0250	0.0235	0.0218	93.9	87.3	78.8-124			7.25	20
Tetrachloroethene	0.0250	0.0230	0.0240	92.0	95.9	71.1-133			4.14	20
Toluene	0.0250	0.0225	0.0216	90.1	86.6	76.7-116			3.93	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0221	0.0214	88.5	85.5	62.6-138			3.54	20
1,2,3-Trichlorobenzene	0.0250	0.0210	0.0204	83.8	81.6	72.5-137			2.69	20
1,2,4-Trichlorobenzene	0.0250	0.0196	0.0200	78.3	79.9	74.0-137			2.02	20
1,1,1-Trichloroethane	0.0250	0.0192	0.0184	76.8	73.5	69.9-127			4.38	20
1,1,2-Trichloroethane	0.0250	0.0251	0.0233	100	93.2	81.9-119			7.33	20
Trichloroethene	0.0250	0.0229	0.0216	91.6	86.2	77.2-122			5.99	20
Trichlorofluoromethane	0.0250	0.0211	0.0215	84.6	85.9	51.5-151			1.61	20
1,2,3-Trichloropropane	0.0250	0.0276	0.0259	110	103	74.0-124			6.44	20
1,2,3-Trimethylbenzene	0.0250	0.0197	0.0191	78.8	76.3	79.4-118	J4	J4	3.21	20
1,2,4-Trimethylbenzene	0.0250	0.0204	0.0202	81.8	80.7	77.1-124			1.38	20
1,3,5-Trimethylbenzene	0.0250	0.0206	0.0205	82.6	81.9	79.0-125			0.850	20
Vinyl chloride	0.0250	0.0199	0.0190	79.5	76.1	58.4-134			4.33	20
Xylenes, Total	0.0750	0.0654	0.0647	87.2	86.3	78.1-123			1.10	20
(S) Toluene-d8				*102*	*101*	*88.7-115*				
(S) Dibromofluoromethane				*97.8*	*97.6*	*76.3-123*				
(S) a,a,a-Trifluorotoluene				*98.2*	*97.8*	*87.2-117*				
(S) 4-Bromofluorobenzene				*97.8*	*99.6*	*69.7-129*				

L848512-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L848512-05 07/29/16 14:55 • (MS) R3153330-4 07/29/16 14:03 • (MSD) R3153330-5 07/29/16 14:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.140	0.0588	0.109	0.123	36.1	45.9	1	10.0-130			11.8	31.5
Acrylonitrile	0.140	ND	0.182	0.195	130	139	1	39.3-152			6.97	27.2
Benzene	0.0280	ND	0.0230	0.0226	82.0	80.8	1	47.8-131			1.54	22.8
Bromobenzene	0.0280	ND	0.0210	0.0210	75.0	74.8	1	40.0-130			0.320	27.4
Bromodichloromethane	0.0280	ND	0.0225	0.0231	80.2	82.5	1	50.6-128			2.83	22.8
Bromoform	0.0280	ND	0.0271	0.0282	96.8	101	1	43.3-139			3.91	25.9

L848512-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L848512-05 07/29/16 14:55 • (MS) R3153330-4 07/29/16 14:03 • (MSD) R3153330-5 07/29/16 14:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bromomethane	0.0280	ND	0.0241	0.0223	86.1	79.5	1	5.00-189			7.99	26.7
n-Butylbenzene	0.0280	ND	0.0183	0.0185	65.4	65.8	1	23.6-146			0.690	39.2
sec-Butylbenzene	0.0280	ND	0.0192	0.0192	68.4	68.6	1	31.0-142			0.320	34.7
tert-Butylbenzene	0.0280	ND	0.0209	0.0215	74.4	76.6	1	36.9-142			2.92	31.7
Carbon tetrachloride	0.0280	ND	0.0243	0.0239	86.7	85.3	1	46.0-140			1.67	27.2
Chlorobenzene	0.0280	ND	0.0235	0.0238	83.8	84.8	1	44.1-134			1.12	25.7
Chlorodibromomethane	0.0280	ND	0.0277	0.0279	98.7	99.7	1	49.7-134			0.970	24
Chloroethane	0.0280	ND	0.0201	0.0188	71.7	67.1	1	5.00-164			6.58	28.4
2-Chloroethyl vinyl ether	0.140	ND	ND	ND	0.000	0.000	1	5.00-159	J6	J6	0.000	40
Chloroform	0.0280	ND	0.0229	0.0226	81.8	80.7	1	51.2-133			1.32	22.8
Chloromethane	0.0280	ND	0.0266	0.0260	94.9	92.7	1	31.4-141			2.36	24.6
2-Chlorotoluene	0.0280	ND	0.0199	0.0203	71.1	72.6	1	36.1-137			2.06	28.9
4-Chlorotoluene	0.0280	ND	0.0205	0.0202	73.3	71.9	1	35.4-137			1.93	29.8
1,2-Dibromo-3-Chloropropane	0.0280	ND	0.0366	0.0404	131	144	1	40.4-138		J5	9.80	30.8
1,2-Dibromoethane	0.0280	ND	0.0321	0.0327	115	117	1	50.2-133			1.89	23.6
Dibromomethane	0.0280	ND	0.0276	0.0282	98.5	101	1	52.4-128			2.15	23
1,2-Dichlorobenzene	0.0280	ND	0.0210	0.0212	75.0	75.6	1	34.6-139			0.800	29.9
1,3-Dichlorobenzene	0.0280	ND	0.0198	0.0196	70.7	69.9	1	28.4-142			1.12	31.2
1,4-Dichlorobenzene	0.0280	ND	0.0197	0.0199	70.3	70.9	1	35.0-133			0.880	31.1
Dichlorodifluoromethane	0.0280	ND	0.0249	0.0240	89.0	85.7	1	31.2-144			3.81	30.2
1,1-Dichloroethane	0.0280	ND	0.0244	0.0238	86.9	84.9	1	49.1-136			2.34	22.9
1,2-Dichloroethane	0.0280	ND	0.0262	0.0263	93.5	93.8	1	47.1-129			0.270	22.7
1,1-Dichloroethene	0.0280	ND	0.0239	0.0237	85.2	84.4	1	36.1-142			0.920	25.6
cis-1,2-Dichloroethene	0.0280	ND	0.0238	0.0235	84.9	83.8	1	50.6-133			1.30	23
trans-1,2-Dichloroethene	0.0280	ND	0.0250	0.0234	89.3	83.5	1	43.8-135			6.72	24.8
1,2-Dichloropropane	0.0280	ND	0.0249	0.0256	89.0	91.5	1	50.3-134			2.79	22.7
1,1-Dichloropropene	0.0280	ND	0.0249	0.0250	88.8	89.2	1	43.0-137			0.530	26.4
1,3-Dichloropropane	0.0280	ND	0.0313	0.0311	112	111	1	51.4-127			0.460	23.1
cis-1,3-Dichloropropene	0.0280	ND	0.0267	0.0266	95.2	95.0	1	48.4-134			0.150	23.6
trans-1,3-Dichloropropene	0.0280	ND	0.0289	0.0301	103	107	1	46.6-135			4.15	25.3
2,2-Dichloropropane	0.0280	ND	0.0188	0.0185	67.1	65.9	1	45.2-141			1.84	26.6
Di-isopropyl ether	0.0280	ND	0.0289	0.0288	103	103	1	46.7-140			0.270	23.5
Ethylbenzene	0.0280	ND	0.0218	0.0220	77.9	78.5	1	44.8-135			0.800	26.9
Hexachloro-1,3-butadiene	0.0280	ND	0.0164	0.0162	58.6	57.8	1	10.0-149			1.42	40
Isopropylbenzene	0.0280	ND	0.0206	0.0211	73.6	75.3	1	41.9-139			2.17	29.3
p-Isopropyltoluene	0.0280	ND	0.0194	0.0197	69.1	70.1	1	27.3-146			1.48	35.1
2-Butanone (MEK)	0.140	ND	0.184	0.201	128	139	1	23.9-170			8.47	28.3
Methylene Chloride	0.0280	ND	0.0233	0.0231	83.2	82.3	1	46.7-125			1.08	22.2
4-Methyl-2-pentanone (MIBK)	0.140	ND	0.296	0.308	211	220	1	42.4-146	J5	J5	3.81	26.7

L848512-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L848512-05 07/29/16 14:55 • (MS) R3153330-4 07/29/16 14:03 • (MSD) R3153330-5 07/29/16 14:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Methyl tert-butyl ether	0.0280	ND	0.0274	0.0268	97.9	95.7	1	50.4-131			2.26	24.8
Naphthalene	0.0280	ND	0.0241	0.0240	85.8	85.5	1	18.4-145			0.340	34
n-Propylbenzene	0.0280	ND	0.0204	0.0207	72.8	73.9	1	35.2-139			1.46	31.9
Styrene	0.0280	ND	0.0221	0.0220	78.9	78.4	1	39.7-137			0.580	28.2
1,1,1,2-Tetrachloroethane	0.0280	ND	0.0218	0.0221	77.9	78.8	1	48.8-136			1.09	25.5
1,1,2,2-Tetrachloroethane	0.0280	ND	0.0316	0.0309	113	110	1	45.7-140			2.32	26.4
Tetrachloroethene	0.0280	ND	0.0231	0.0236	82.4	84.3	1	37.7-140			2.24	29.2
Toluene	0.0280	ND	0.0231	0.0235	82.5	83.9	1	47.8-127			1.66	24.3
1,1,2-Trichlorotrifluoroethane	0.0280	ND	0.0262	0.0261	93.6	93.1	1	35.7-146			0.500	28.8
1,2,3-Trichlorobenzene	0.0280	ND	0.0184	0.0176	65.6	62.8	1	10.0-150			4.44	38.5
1,2,4-Trichlorobenzene	0.0280	ND	0.0173	0.0173	61.7	61.8	1	10.0-153			0.110	39.3
1,1,1-Trichloroethane	0.0280	ND	0.0221	0.0220	78.8	78.4	1	49.0-138			0.470	25.3
1,1,2-Trichloroethane	0.0280	ND	0.0290	0.0279	103	99.5	1	52.3-132			3.82	23.4
Trichloroethene	0.0280	ND	0.0235	0.0242	83.9	86.3	1	48.0-132			2.88	24.8
Trichlorofluoromethane	0.0280	ND	0.0261	0.0264	93.1	94.2	1	12.8-169			1.12	29.7
1,2,3-Trichloropropane	0.0280	ND	0.0402	0.0399	143	142	1	44.4-138	J5	J5	0.690	26.3
1,2,3-Trimethylbenzene	0.0280	ND	0.0188	0.0190	67.0	67.9	1	41.0-133			1.32	27.6
1,2,4-Trimethylbenzene	0.0280	ND	0.0189	0.0189	67.2	67.5	1	32.9-139			0.330	30.6
1,3,5-Trimethylbenzene	0.0280	ND	0.0192	0.0193	68.5	68.9	1	37.1-138			0.490	30.6
Vinyl chloride	0.0280	ND	0.0224	0.0219	80.0	78.1	1	32.0-146			2.46	26.3
Xylenes, Total	0.0841	ND	0.0641	0.0645	76.2	76.7	1	42.7-135			0.610	26.6
(S) Toluene-d8					*101*	*103*		*88.7-115*				
(S) Dibromofluoromethane					*105*	*103*		*76.3-123*				
(S) a,a,a-Trifluorotoluene					*97.4*	*97.1*		*87.2-117*				
(S) 4-Bromofluorobenzene					*97.2*	*94.9*		*69.7-129*				

Method Blank (MB)

(MB) R3152456-1 07/26/16 14:59

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	*61.5*			*50.0-150*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3152456-2 07/26/16 15:13 • (LCSD) R3152456-3 07/26/16 15:25

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Diesel Range Organics (DRO)	30.0	25.8	25.3	86.0	84.2	50.0-150			2.09	20
Residual Range Organics (RRO)	30.0	22.3	21.1	74.4	70.3	50.0-150			5.62	20
(S) o-Terphenyl				*81.5*	*77.4*	*50.0-150*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

Qualifier	Description
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

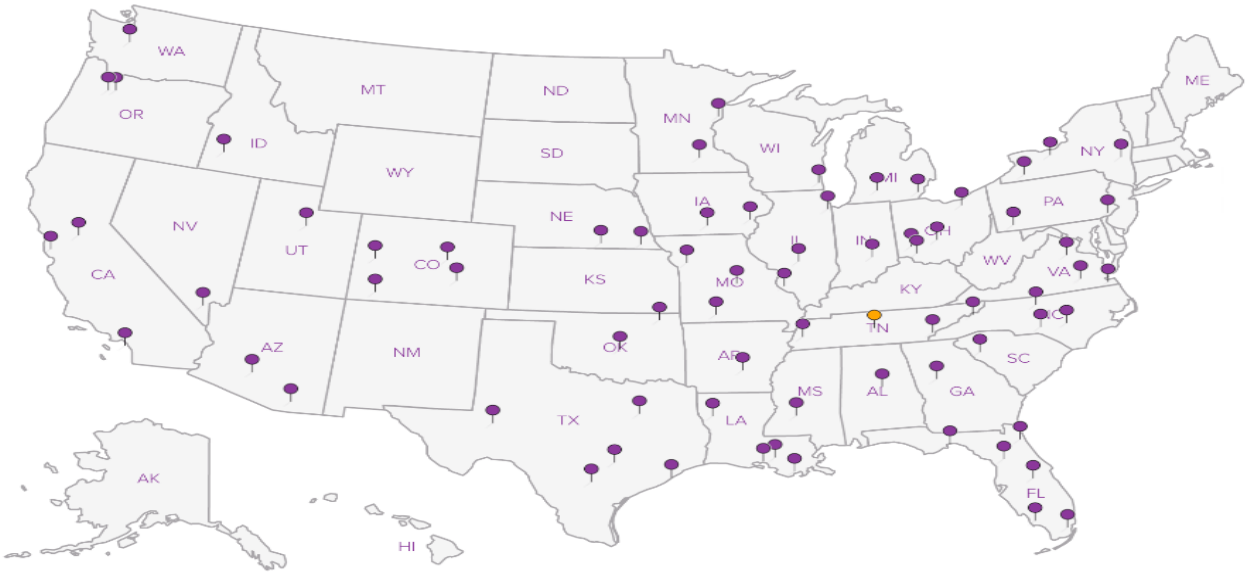
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



J037

GeoDesign, Inc.
15575 SW Sequoia Parkway Ste. 100
Portland, OR. 97224

Billing Information:
GeoDesign, Inc.
15575 SW Sequoia Parkway
Ste. 100
Portland, OR. 97224

Report to: Kevin Cline

Email to: kcline@geodesigninc.com

Project Description: Capstone-12-03

City/State Collected:

Phone: 503-968-8787
FAX:

Client Project #: 12-03

ESC Key:

Collected by:

Site/Facility ID#:

P.O.#:

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day. 200%
___ Next Day. 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed:

Email? __No __Yes

FAX? __No __Yes

Analysis/Container/Preservative

VOCS by EPA Method 5035/8260

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCS by EPA Method 5035/8260		Remarks/Contaminant	Sample # (lab only)
DP-29 (3.5-4.0)		SS	3.5-4.0	7-20-16	1000	4	X			849511-01
DP-29 (7.0-7.5)		SS	7.0-7.5		1045	4	X			02
DP-30 (3.5-4.0)		SS	3.5-4.0		1110	4	X			03
DP-30 (6.0-7.0)		SS	6.0-7.0		1120	4	X			04
DP-31 (4.0-5.0)			4.0-5.0		1155	4	X			05
DP-32 (6.0-7.0)			6.0-7.0		1235	4	X	X		06
DP-33 (3.5-4.0)			3.5-4.0		1340	4	X	X		07
DP-33 (7.0-8.0)			7.0-8.0		1355	4	X			08
DP-34 (6.0-7.0)			6.0-7.0		1425	4	X			09

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Chain of Custody
Page 1 of 1

ESC LAB SCIENCES
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

CoCode GEODESPO (lab use only)

Template/Prelogin

Shipped Via:

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	7-20-16	1800	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.2 Bottles Received: 48

Date: 7-21-16 Time: 436

Condition: (lab use only) OK

CoC Seals Intact: ___ Y ___ N ___ NA

pH Checked: NCF:

6777 0000 5112

GeoDesign, Inc.
15575 SW Sequoia Parkway Ste. 100
Portland, OR. 97224

Billing Information:
GeoDesign, Inc.
15575 SW Sequoia Parkway
Ste. 100
Portland, OR. 97224

Report to: Kevin Cline

Email to: kcline@geodesigninc.com

Project Description: Capstone-12-03

City/Sate Collected:

Phone: 503-968-8787
FAX:

Client Project #: 12-03

ESC Key:

Collected by:

Site/Facility ID#:

P.O.#:

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day. 200%
___ Next Day. 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed:

Email? __No__Yes

FAX? __No__Yes

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs by EPA Method 5035	Remarks/Contaminant	Sample # (lab only)
DP-31(6.5-7.5)		SO	6.5-7.5	7-20-16	1205	4	X		848511-12
DP-35(5.5-6.0)			5.5-6.0		1515	4	X		11
DP-36(5.5-6.0)			5.5-6.0		1600	4	X		13

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

ESC LABORATORY SCIENCES
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

CoCode GEODESPO (lab use only)

Template/Prelogin

Shipped Via:

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date: 7206	Time: 1820	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____	Condition: (lab use only) ok
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.2 / Bottles Received: 48	CoC Seals Intact: ___ Y ___ N ___ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7-21-16 / Time: 930	pH Checked: / NCF:

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

Cooler Receipt Checklist

Client: GEODESIGN SDG# 348511

Cooler Received/Opened On: 7-21-15 By: Richard Hughes

Temperature Upon Receipt: 3.2 °c

(Signature)

Cooler Receipt Check List	Yes	No	N/A
Were custody seals on outside of cooler and intact?	✓		
Were custody papers properly filled out (ink, signed, etc.)?	✓		
Did all bottles arrive in good condition?	✓		
Were correct bottles used for the analyses requested?	✓		
Was sufficient amount of sample sent in each bottle?	✓		
Were correct preservatives used?			✓
Were all applicable sample containers checked for preservation? (Any samples not in accepted pH range noted on COC .)			✓
If applicable, was an observable VOA headspace present?		✓	
Non Conformance Generated? (If yes see attached NCF)		✓	

ANALYTICAL REPORT

August 01, 2016

GeoDesign Inc.

Sample Delivery Group:	L849083
Samples Received:	07/25/2016
Project Number:	22484.003
Description:	Capstone-12-03

Report To: Erik Hedberg
15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Entire Report Reviewed By:

Jason Romer
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 4

[5]Sr: Sample Results 5

TP-14-1 L849083-01 5

TP-15-2 L849083-02 7

[6]Qc: Quality Control Summary 9

Total Solids by Method 2540 G-2011 9

Mercury by Method 7471A 10

Metals (ICP) by Method 6010B 11

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX 12

Polychlorinated Biphenyls (GC) by Method 8082 13

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM 14

[7]Gl: Glossary of Terms 18

[8]Al: Accreditations & Locations 19

[9]Sc: Chain of Custody 20

TP-14-1 L849083-01 Solid

Collected by: Chad Koepfle
Collected date/time: 07/22/16 10:05
Received date/time: 07/25/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG892788	1	07/26/16 18:01	07/27/16 15:07	TRB
Metals (ICP) by Method 6010B	WG892225	1	07/26/16 11:58	07/26/16 19:16	ST
Polychlorinated Biphenyls (GC) by Method 8082	WG893107	1	07/28/16 16:47	07/29/16 13:08	LKD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG894020	5	07/29/16 21:26	07/31/16 08:12	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG894019	10	07/30/16 09:52	07/30/16 17:50	JM
Total Solids by Method 2540 G-2011	WG892533	1	07/26/16 15:16	07/26/16 15:24	MEL

TP-15-2 L849083-02 Solid

Collected by: Chad Koepfle
Collected date/time: 07/22/16 10:10
Received date/time: 07/25/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG892788	1	07/26/16 18:01	07/27/16 15:30	TRB
Metals (ICP) by Method 6010B	WG892225	1	07/26/16 11:58	07/26/16 19:19	ST
Polychlorinated Biphenyls (GC) by Method 8082	WG893107	1	07/28/16 16:47	07/29/16 13:51	LKD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG893111	1	07/27/16 17:00	07/28/16 21:31	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG894019	10	07/30/16 09:52	07/30/16 18:02	JM
Total Solids by Method 2540 G-2011	WG892533	1	07/26/16 15:16	07/26/16 15:24	MEL

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jason Romer
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.4		1	07/26/2016 15:24	WG892533

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0990		0.0240	1	07/27/2016 15:07	WG892788

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	6.20		2.40	1	07/26/2016 19:16	WG892225
Barium	136		0.599	1	07/26/2016 19:16	WG892225
Cadmium	ND		0.599	1	07/26/2016 19:16	WG892225
Chromium	15.6		1.20	1	07/26/2016 19:16	WG892225
Lead	82.9		0.599	1	07/26/2016 19:16	WG892225
Selenium	ND		2.40	1	07/26/2016 19:16	WG892225
Silver	ND		1.20	1	07/26/2016 19:16	WG892225

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	ND		47.9	10	07/30/2016 17:50	WG894019
Residual Range Organics (RRO)	ND		120	10	07/30/2016 17:50	WG894019
(S) o-Terphenyl	*81.0*		*50.0-150*		*07/30/2016 17:50*	WG894019

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
PCB 1016	ND		0.0204	1	07/29/2016 13:08	WG893107
PCB 1221	ND		0.0204	1	07/29/2016 13:08	WG893107
PCB 1232	ND		0.0204	1	07/29/2016 13:08	WG893107
PCB 1242	ND		0.0204	1	07/29/2016 13:08	WG893107
PCB 1248	ND		0.0204	1	07/29/2016 13:08	WG893107
PCB 1254	ND		0.0204	1	07/29/2016 13:08	WG893107
PCB 1260	ND		0.0204	1	07/29/2016 13:08	WG893107
(S) Decachlorobiphenyl	*38.0*		*10.0-143*		*07/29/2016 13:08*	WG893107
(S) Tetrachloro-m-xylene	*66.5*		*29.2-144*		*07/29/2016 13:08*	WG893107

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Anthracene	ND		0.0360	5	07/31/2016 08:12	WG894020
Acenaphthene	ND		0.0360	5	07/31/2016 08:12	WG894020
Acenaphthylene	ND		0.0360	5	07/31/2016 08:12	WG894020
Benzo(a)anthracene	ND		0.0360	5	07/31/2016 08:12	WG894020
Benzo(a)pyrene	ND		0.0360	5	07/31/2016 08:12	WG894020
Benzo(b)fluoranthene	ND		0.0360	5	07/31/2016 08:12	WG894020
Benzo(g,h,i)perylene	ND		0.0360	5	07/31/2016 08:12	WG894020
Benzo(k)fluoranthene	ND		0.0360	5	07/31/2016 08:12	WG894020
Chrysene	ND		0.0360	5	07/31/2016 08:12	WG894020
Dibenz(a,h)anthracene	ND		0.0360	5	07/31/2016 08:12	WG894020
Fluoranthene	ND		0.0360	5	07/31/2016 08:12	WG894020
Fluorene	ND		0.0360	5	07/31/2016 08:12	WG894020

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Indeno(1,2,3-cd)pyrene	ND		0.0360	5	07/31/2016 08:12	WG894020
Naphthalene	0.151		0.120	5	07/31/2016 08:12	WG894020
Phenanthrene	0.0523		0.0360	5	07/31/2016 08:12	WG894020
Pyrene	ND		0.0360	5	07/31/2016 08:12	WG894020
1-Methylnaphthalene	0.241		0.120	5	07/31/2016 08:12	WG894020
2-Methylnaphthalene	0.267		0.120	5	07/31/2016 08:12	WG894020
2-Chloronaphthalene	ND		0.120	5	07/31/2016 08:12	WG894020
(S) Nitrobenzene-d5	*73.6*		*22.1-146*		*07/31/2016 08:12*	WG894020
(S) 2-Fluorobiphenyl	*55.6*		*40.6-122*		*07/31/2016 08:12*	WG894020
(S) p-Terphenyl-d14	*42.7*		*32.2-131*		*07/31/2016 08:12*	WG894020

Sample Narrative:

8270D-SIM L849083-01 WG894020: Dilution due to matrix

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.2		1	07/26/2016 15:24	WG892533

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.330		0.0243	1	07/27/2016 15:30	WG892788

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	12.9		2.43	1	07/26/2016 19:19	WG892225
Barium	1200		0.608	1	07/26/2016 19:19	WG892225
Cadmium	2.00		0.608	1	07/26/2016 19:19	WG892225
Chromium	38.9		1.22	1	07/26/2016 19:19	WG892225
Lead	1660		0.608	1	07/26/2016 19:19	WG892225
Selenium	ND		2.43	1	07/26/2016 19:19	WG892225
Silver	1.82		1.22	1	07/26/2016 19:19	WG892225

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	ND		48.7	10	07/30/2016 18:02	WG894019
Residual Range Organics (RRO)	ND		122	10	07/30/2016 18:02	WG894019
(S) o-Terphenyl	*98.1*		*50.0-150*		*07/30/2016 18:02*	WG894019

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
PCB 1016	ND		0.0207	1	07/29/2016 13:51	WG893107
PCB 1221	ND		0.0207	1	07/29/2016 13:51	WG893107
PCB 1232	ND		0.0207	1	07/29/2016 13:51	WG893107
PCB 1242	ND		0.0207	1	07/29/2016 13:51	WG893107
PCB 1248	ND		0.0207	1	07/29/2016 13:51	WG893107
PCB 1254	ND		0.0207	1	07/29/2016 13:51	WG893107
PCB 1260	ND		0.0207	1	07/29/2016 13:51	WG893107
(S) Decachlorobiphenyl	*54.3*		*10.0-143*		*07/29/2016 13:51*	WG893107
(S) Tetrachloro-m-xylene	*61.1*		*29.2-144*		*07/29/2016 13:51*	WG893107

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Anthracene	ND		0.00730	1	07/28/2016 21:31	WG893111
Acenaphthene	ND		0.00730	1	07/28/2016 21:31	WG893111
Acenaphthylene	ND		0.00730	1	07/28/2016 21:31	WG893111
Benzo(a)anthracene	ND		0.00730	1	07/28/2016 21:31	WG893111
Benzo(a)pyrene	0.0101		0.00730	1	07/28/2016 21:31	WG893111
Benzo(b)fluoranthene	0.0106		0.00730	1	07/28/2016 21:31	WG893111
Benzo(g,h,i)perylene	0.0107		0.00730	1	07/28/2016 21:31	WG893111
Benzo(k)fluoranthene	ND		0.00730	1	07/28/2016 21:31	WG893111
Chrysene	0.00894		0.00730	1	07/28/2016 21:31	WG893111
Dibenz(a,h)anthracene	ND		0.00730	1	07/28/2016 21:31	WG893111
Fluoranthene	0.0158		0.00730	1	07/28/2016 21:31	WG893111
Fluorene	ND		0.00730	1	07/28/2016 21:31	WG893111

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Indeno(1,2,3-cd)pyrene	ND		0.00730	1	07/28/2016 21:31	WG893111
Naphthalene	ND		0.0243	1	07/28/2016 21:31	WG893111
Phenanthrene	0.00812		0.00730	1	07/28/2016 21:31	WG893111
Pyrene	0.0179		0.00730	1	07/28/2016 21:31	WG893111
1-Methylnaphthalene	ND		0.0243	1	07/28/2016 21:31	WG893111
2-Methylnaphthalene	ND		0.0243	1	07/28/2016 21:31	WG893111
2-Chloronaphthalene	ND		0.0243	1	07/28/2016 21:31	WG893111
(S) Nitrobenzene-d5	*78.9*		*22.1-146*		*07/28/2016 21:31*	WG893111
(S) 2-Fluorobiphenyl	*73.9*		*40.6-122*		*07/28/2016 21:31*	WG893111
(S) p-Terphenyl-d14	*62.2*		*32.2-131*		*07/28/2016 21:31*	WG893111

Method Blank (MB)

(MB) R3152521-1 07/26/16 15:24

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000900			

L849044-21 Original Sample (OS) • Duplicate (DUP)

(OS) L849044-21 07/26/16 15:24 • (DUP) R3152521-3 07/26/16 15:24

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	79.0	78.6	1	0.539		5

Laboratory Control Sample (LCS)

(LCS) R3152521-2 07/26/16 15:24

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3152742-1 07/27/16 14:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0028	0.0200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3152742-2 07/27/16 14:37 • (LCSD) R3152742-3 07/27/16 14:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.328	0.342	109	114	80-120			4	20

L849003-31 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L849003-31 07/27/16 14:47 • (MS) R3152742-4 07/27/16 14:49 • (MSD) R3152742-5 07/27/16 14:52

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.0616	0.392	0.384	110	107	1	75-125			2	20

Method Blank (MB)

(MB) R3152478-1 07/26/16 17:56

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.65	2.00
Barium	U		0.17	0.500
Cadmium	U		0.07	0.500
Chromium	U		0.14	1.00
Lead	U		0.19	0.500
Selenium	U		0.74	2.00
Silver	U		0.28	1.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3152478-2 07/26/16 17:58 • (LCSD) R3152478-3 07/26/16 18:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	100	89.9	94.6	90	95	80-120			5	20
Barium	100	92.0	96.3	92	96	80-120			5	20
Cadmium	100	90.1	94.5	90	94	80-120			5	20
Chromium	100	89.9	94.1	90	94	80-120			5	20
Lead	100	91.3	95.5	91	95	80-120			4	20
Selenium	100	90.8	94.5	91	95	80-120			4	20
Silver	100	88.4	92.6	88	93	80-120			5	20

L849080-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L849080-02 07/26/16 18:03 • (MS) R3152478-6 07/26/16 18:12 • (MSD) R3152478-7 07/26/16 18:14

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	124	11.3	108	105	78	75	1	75-125			3	20
Barium	124	1710	1680	1610	0	0	1	75-125	V	V	4	20
Cadmium	124	1.59	106	103	84	81	1	75-125			3	20
Chromium	124	23.3	121	116	79	74	1	75-125		J6	5	20
Lead	124	1110	1590	971	388	0	1	75-125	V	J3 V	48	20
Selenium	124	ND	90.1	87.6	72	70	1	75-125	J6	J6	3	20
Silver	124	ND	107	104	86	83	1	75-125			3	20

Method Blank (MB)

(MB) R3153667-1 07/30/16 15:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	*77.8*			*50.0-150*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3153667-2 07/30/16 15:13 • (LCSD) R3153667-3 07/30/16 15:25

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Diesel Range Organics (DRO)	30.0	26.7	27.2	89.2	90.5	50.0-150			1.55	20
Residual Range Organics (RRO)	30.0	22.5	23.5	75.0	78.4	50.0-150			4.49	20
(S) o-Terphenyl				*83.4*	*84.0*	*50.0-150*				

Method Blank (MB)

(MB) R3153223-3 07/29/16 09:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.00350	0.0170
PCB 1221	U		0.00537	0.0170
PCB 1232	U		0.00417	0.0170
PCB 1242	U		0.00318	0.0170
PCB 1248	U		0.00315	0.0170
PCB 1254	U		0.00472	0.0170
PCB 1260	U		0.00494	0.0170
(S) Decachlorobiphenyl	*90.3*			*10.0-143*
(S) Tetrachloro-m-xylene	*79.7*			*29.2-144*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3153223-1 07/29/16 08:40 • (LCSD) R3153223-2 07/29/16 08:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.167	0.133	0.136	80.0	81.7	46.5-120			2.05	27
PCB 1016	0.167	0.121	0.123	72.4	73.5	46.3-117			1.60	27.5
(S) Decachlorobiphenyl				*102*	*110*	*10.0-143*				
(S) Tetrachloro-m-xylene				*87.2*	*94.0*	*29.2-144*				

L849083-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L849083-01 07/29/16 13:08 • (MS) R3153223-4 07/29/16 13:22 • (MSD) R3153223-5 07/29/16 13:36

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.200	ND	0.147	0.144	65.1	63.5	1	24.6-127			2.20	20
PCB 1016	0.200	ND	0.134	0.156	67.0	78.2	1	23.9-147			15.5	25.8
(S) Decachlorobiphenyl					*64.9*	*62.8*		*10.0-143*				
(S) Tetrachloro-m-xylene					*78.4*	*87.9*		*29.2-144*				

Method Blank (MB)

(MB) R3153131-3 07/28/16 14:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.000600	0.00600
Acenaphthene	U		0.000600	0.00600
Acenaphthylene	U		0.000600	0.00600
Benzo(a)anthracene	U		0.000600	0.00600
Benzo(a)pyrene	U		0.000600	0.00600
Benzo(b)fluoranthene	U		0.000600	0.00600
Benzo(g,h,i)perylene	U		0.000600	0.00600
Benzo(k)fluoranthene	U		0.000600	0.00600
Chrysene	U		0.000600	0.00600
Dibenz(a,h)anthracene	U		0.000600	0.00600
Fluoranthene	U		0.000600	0.00600
Fluorene	U		0.000600	0.00600
Indeno(1,2,3-cd)pyrene	U		0.000600	0.00600
Naphthalene	U		0.00200	0.0200
Phenanthrene	U		0.000600	0.00600
Pyrene	U		0.000600	0.00600
1-Methylnaphthalene	U		0.00200	0.0200
2-Methylnaphthalene	U		0.00200	0.0200
2-Chloronaphthalene	U		0.00200	0.0200
(S) p-Terphenyl-d14	*59.4*			*32.2-131*
(S) Nitrobenzene-d5	*65.5*			*22.1-146*
(S) 2-Fluorobiphenyl	*64.3*			*40.6-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3153131-1 07/28/16 13:32 • (LCSD) R3153131-2 07/28/16 13:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0800	0.0602	0.0595	75.2	74.4	50.3-130			1.10	20
Acenaphthene	0.0800	0.0589	0.0601	73.6	75.1	52.4-120			2.04	20
Acenaphthylene	0.0800	0.0574	0.0588	71.8	73.5	49.6-120			2.47	20
Benzo(a)anthracene	0.0800	0.0544	0.0540	67.9	67.5	46.7-125			0.650	20
Benzo(a)pyrene	0.0800	0.0573	0.0563	71.6	70.3	42.3-119			1.84	20
Benzo(b)fluoranthene	0.0800	0.0573	0.0550	71.7	68.7	43.6-124			4.19	20
Benzo(g,h,i)perylene	0.0800	0.0476	0.0460	59.5	57.5	45.1-132			3.46	20
Benzo(k)fluoranthene	0.0800	0.0578	0.0604	72.2	75.5	46.1-131			4.38	20
Chrysene	0.0800	0.0563	0.0570	70.3	71.3	49.5-131			1.36	20
Dibenz(a,h)anthracene	0.0800	0.0469	0.0443	58.6	55.4	44.8-133			5.62	20
Fluoranthene	0.0800	0.0607	0.0607	75.9	75.8	49.3-128			0.0800	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3153131-1 07/28/16 13:32 • (LCSD) R3153131-2 07/28/16 13:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Fluorene	0.0800	0.0569	0.0589	71.1	73.6	50.6-121			3.45	20
Indeno(1,2,3-cd)pyrene	0.0800	0.0490	0.0463	61.2	57.9	46.1-135			5.52	20
Naphthalene	0.0800	0.0599	0.0597	74.9	74.6	49.6-115			0.450	20
Phenanthrene	0.0800	0.0584	0.0585	73.0	73.2	48.8-121			0.280	20
Pyrene	0.0800	0.0641	0.0638	80.1	79.7	44.7-130			0.400	20
1-Methylnaphthalene	0.0800	0.0604	0.0627	75.5	78.3	50.6-122			3.62	20
2-Methylnaphthalene	0.0800	0.0601	0.0615	75.2	76.8	50.4-120			2.19	20
2-Chloronaphthalene	0.0800	0.0549	0.0566	68.6	70.7	53.9-121			2.96	20
(S) p-Terphenyl-d14				*58.7*	*61.5*	*32.2-131*				
(S) Nitrobenzene-d5				*80.3*	*76.3*	*22.1-146*				
(S) 2-Fluorobiphenyl				*67.1*	*72.7*	*40.6-122*				

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3153131-4 07/28/16 20:04 • (MSD) R3153131-5 07/28/16 20:26

Analyte	Spike Amount mg/kg	Original Result	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0912		0.0513	0.0484	64.1	60.5	1	26.5-141			5.84	21.2
Acenaphthene	0.0912		0.0533	0.0493	66.6	61.6	1	31.9-130			7.76	20
Acenaphthylene	0.0912		0.0539	0.0492	67.4	61.5	1	33.7-129			9.02	20
Benzo(a)anthracene	0.0912		0.0415	0.0361	51.9	45.1	1	18.3-136			13.9	24.6
Benzo(a)pyrene	0.0912		0.0433	0.0383	54.1	47.9	1	16.9-135			12.1	25.2
Benzo(b)fluoranthene	0.0912		0.0399	0.0337	49.9	42.1	1	10.0-134			17.0	30.9
Benzo(g,h,i)perylene	0.0912		0.0321	0.0288	40.2	36.0	1	14.1-140			11.0	25.5
Benzo(k)fluoranthene	0.0912		0.0431	0.0370	53.9	46.2	1	18.2-138			15.4	25.6
Chrysene	0.0912		0.0435	0.0390	54.4	48.8	1	17.1-145			10.9	24.2
Dibenz(a,h)anthracene	0.0912		0.0324	0.0287	40.5	35.8	1	18.5-138			12.3	24.3
Fluoranthene	0.0912		0.0483	0.0442	60.4	55.3	1	15.4-144			8.84	27.1
Fluorene	0.0912		0.0491	0.0456	61.4	57.0	1	23.5-136			7.43	20
Indeno(1,2,3-cd)pyrene	0.0912		0.0332	0.0292	41.5	36.5	1	14.5-142			13.0	25.8
Naphthalene	0.0912		0.0573	0.0517	71.6	64.6	1	29.2-128			10.4	20
Phenanthrene	0.0912		0.0482	0.0459	60.2	57.3	1	20.1-134			4.97	23.6
Pyrene	0.0912		0.0502	0.0458	62.7	57.2	1	11.0-148			9.15	26.1
1-Methylnaphthalene	0.0912		0.0580	0.0526	72.5	65.7	1	28.4-137			9.83	20
2-Methylnaphthalene	0.0912		0.0577	0.0526	72.1	65.8	1	26.6-137			9.22	20
2-Chloronaphthalene	0.0912		0.0523	0.0492	65.3	61.5	1	38.6-126			6.09	20
(S) p-Terphenyl-d14					*47.3*	*48.4*		*32.2-131*				
(S) Nitrobenzene-d5					*73.4*	*69.5*		*22.1-146*				
(S) 2-Fluorobiphenyl					*64.4*	*63.8*		*40.6-122*				

Method Blank (MB)

(MB) R3153549-3 07/31/16 02:45

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.000600	0.00600
Acenaphthene	U		0.000600	0.00600
Acenaphthylene	U		0.000600	0.00600
Benzo(a)anthracene	U		0.000600	0.00600
Benzo(a)pyrene	U		0.000600	0.00600
Benzo(b)fluoranthene	U		0.000600	0.00600
Benzo(g,h,i)perylene	U		0.000600	0.00600
Benzo(k)fluoranthene	U		0.000600	0.00600
Chrysene	U		0.000600	0.00600
Dibenz(a,h)anthracene	U		0.000600	0.00600
Fluoranthene	U		0.000600	0.00600
Fluorene	U		0.000600	0.00600
Indeno(1,2,3-cd)pyrene	U		0.000600	0.00600
Naphthalene	U		0.00200	0.0200
Phenanthrene	U		0.000600	0.00600
Pyrene	U		0.000600	0.00600
1-Methylnaphthalene	U		0.00200	0.0200
2-Methylnaphthalene	U		0.00200	0.0200
2-Chloronaphthalene	U		0.00200	0.0200
(S) p-Terphenyl-d14	*64.0*			*32.2-131*
(S) Nitrobenzene-d5	*62.0*			*22.1-146*
(S) 2-Fluorobiphenyl	*74.2*			*40.6-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3153549-1 07/31/16 02:01 • (LCSD) R3153549-2 07/31/16 02:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0800	0.0606	0.0611	75.7	76.4	50.3-130			0.910	20
Acenaphthene	0.0800	0.0573	0.0558	71.6	69.8	52.4-120			2.56	20
Acenaphthylene	0.0800	0.0582	0.0577	72.7	72.2	49.6-120			0.830	20
Benzo(a)anthracene	0.0800	0.0552	0.0536	68.9	67.0	46.7-125			2.78	20
Benzo(a)pyrene	0.0800	0.0575	0.0567	71.9	70.9	42.3-119			1.32	20
Benzo(b)fluoranthene	0.0800	0.0558	0.0512	69.7	63.9	43.6-124			8.66	20
Benzo(g,h,i)perylene	0.0800	0.0591	0.0592	73.8	74.0	45.1-132			0.270	20
Benzo(k)fluoranthene	0.0800	0.0543	0.0598	67.9	74.7	46.1-131			9.49	20
Chrysene	0.0800	0.0573	0.0579	71.6	72.3	49.5-131			1.00	20
Dibenz(a,h)anthracene	0.0800	0.0593	0.0587	74.1	73.4	44.8-133			0.880	20
Fluoranthene	0.0800	0.0609	0.0597	76.1	74.6	49.3-128			1.98	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3153549-1 07/31/16 02:01 • (LCSD) R3153549-2 07/31/16 02:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Fluorene	0.0800	0.0542	0.0522	67.8	65.2	50.6-121			3.91	20
Indeno(1,2,3-cd)pyrene	0.0800	0.0605	0.0610	75.6	76.2	46.1-135			0.840	20
Naphthalene	0.0800	0.0584	0.0584	73.0	73.0	49.6-115			0.000	20
Phenanthrene	0.0800	0.0554	0.0538	69.3	67.3	48.8-121			2.96	20
Pyrene	0.0800	0.0632	0.0628	79.0	78.5	44.7-130			0.630	20
1-Methylnaphthalene	0.0800	0.0598	0.0514	74.7	64.3	50.6-122			15.0	20
2-Methylnaphthalene	0.0800	0.0595	0.0515	74.3	64.4	50.4-120			14.4	20
2-Chloronaphthalene	0.0800	0.0616	0.0556	77.1	69.4	53.9-121			10.4	20
(S) p-Terphenyl-d14				*64.0*	*61.7*	*32.2-131*				
(S) Nitrobenzene-d5				*64.0*	*61.7*	*22.1-146*				
(S) 2-Fluorobiphenyl				*85.4*	*70.6*	*40.6-122*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

Qualifier	Description
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

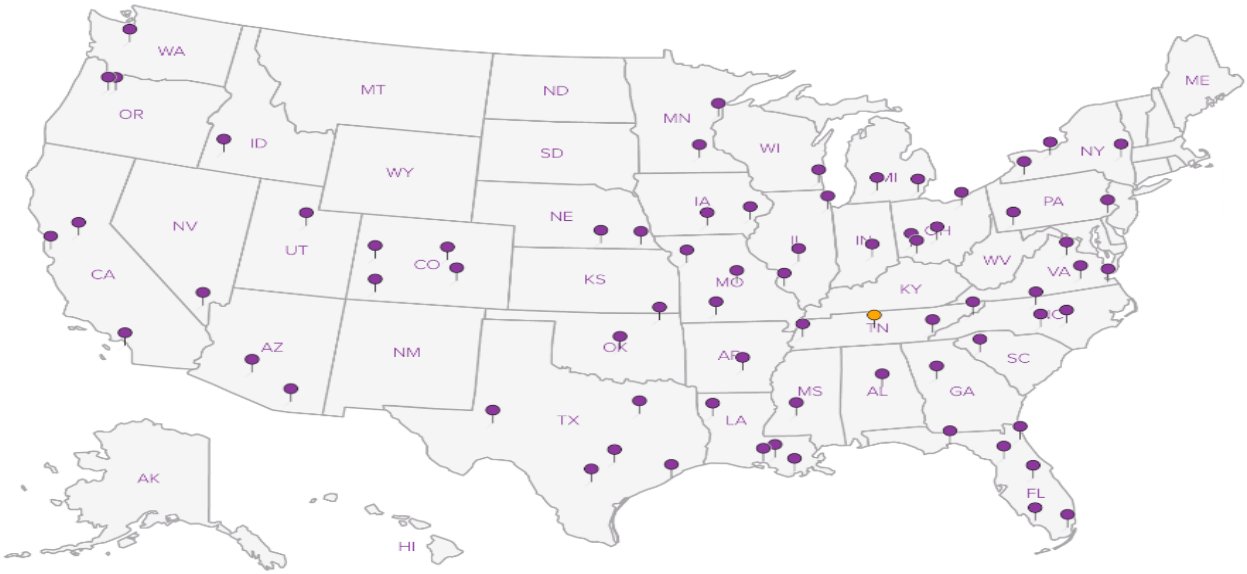
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Company Name/Address: Geodesign

Billing Information:

Report to: Eric Hedberg

Email To: ehedberg@geodesigninc.com

Project Description: ~~UK-22484.003~~ 1340 SE 9th Soil testing

City/State Collected: Portland OR

Phone: 503-577-5232

Fax:

Client Project #

Lab Project #

Collected by (print): Chad Koeffle on behalf of geodesign

Site/Facility ID #

P.O. #

Collected by (signature): Chad Koeffle

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X Yes
FAX? ___No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Hold
TP-14-1	G	SS	1'	7/22/16	1005	1	X
TP-15-2	G	SS	2'	↓	1010	1	X

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

ESC LABORATORY SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L849083

Table #

Acctnum:

Template:

Prelogin:

TSR:

PB:

Shipped Via:

Rem./Contaminant	Sample # (lab only)
	-01
	02

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks: Eric will be in contact regarding analysis

pH _____ Temp _____

Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	7/22/16	1600	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 2

Date: 7-23-16 Time: 0900

Condition: (lab use only) FW1

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF: YES

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

Cooler Receipt Checklist

Client: GEODESPOR SDG# 184983

Cooler Received/Opened On: 7-23-16 By: Richard Hughes

Temperature Upon Receipt: 3.1 °c

(Signature)

Cooler Receipt Check List	Yes	No	N/A
Were custody seals on outside of cooler and intact?	✓		
Were custody papers properly filled out (ink, signed, etc.)?	✓		
Did all bottles arrive in good condition?	✓		
Were correct bottles used for the analyses requested?	✓		
Was sufficient amount of sample sent in each bottle?	✓		
Were correct preservatives used?			✓
Were all applicable sample containers checked for preservation? (Any samples not in accepted pH range noted on COC .)			✓
If applicable, was an observable VOA headspace present?			✓
Non Conformance Generated? (If yes see attached NCF)			

Andy Vann

ESC Lab Sciences
Non-Conformance Form

Login #:L849083	Client: PBSENGPOR	Date: 7/23/16	Evaluated by: Jeremy

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time		Login Clarification Needed		**If Broken Container:**
	Improper temperature		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	Improper preservation		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Couri
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container	x	Client did not "X" analysis.		Received by:
	Broken container:		Chain of Custody is missing		Date/Time:
	Sufficient sample remains				Temp./Cont. Rec./pH:
					Carrier:
					Tracking#

Login Comments: No Analysis marked on first page

Client informed by:		Call		Email	x	Voice Mail		Date:07/25/16	Time:1000
TSR Initials:bjf	Client Contact: Erik Hedberg								

Login Instructions:

Log for NWTPHDX, SV8270PAHSIMD, MRCRA8, SV8082, and TS. Log under account GEODESPOR and use project GEODESPOR-CAPSTONE.

Also, log for PBICP, TS under account PBSENGPOR and project PBSENGPOR-22484003.

This E-mail and any attached files are confidential, and may be copyright protected. If you are not the addressee, any dissemination of this communication is strictly prohibited. If you have received this message in error, please contact the sender immediately and delete/destroy all information received.

ANALYTICAL REPORT

August 05, 2016

GeoDesign Inc.

Sample Delivery Group:	L850694
Samples Received:	07/27/2016
Project Number:	
Description:	1340 SE 9th Soil Testing

Report To: Erik Hedberg
15575 SW Sequoia Pkwy. Suite 100
Portland, OR 97224

Entire Report Reviewed By:

Brian Ford
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

[1]Cp: Cover Page 1

[2]Tc: Table of Contents 2

[3]Ss: Sample Summary 3

[4]Cn: Case Narrative 4

[5]Sr: Sample Results 5

TP-1-1 L850694-01 5

TP-3-3 L850694-02 6

TP-6-1 L850694-03 8

[6]Qc: Quality Control Summary 10

Total Solids by Method 2540 G-2011 10

Mercury by Method 7471A 11

Metals (ICP) by Method 6010B 12

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX 13

Polychlorinated Biphenyls (GC) by Method 8082 14

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM 15

[7]Gl: Glossary of Terms 17

[8]Al: Accreditations & Locations 18

[9]Sc: Chain of Custody 19

TP-1-1 L850694-01 Solid

Collected by: Chad Koepfle
Collected date/time: 07/26/16 12:15
Received date/time: 07/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG895300	1	08/03/16 13:55	08/04/16 09:23	NJB
Metals (ICP) by Method 6010B	WG895140	1	08/03/16 08:03	08/03/16 09:56	CCE
Metals (ICP) by Method 6010B	WG895140	5	08/03/16 08:03	08/03/16 11:17	CCE
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG895031	1	08/02/16 22:47	08/03/16 15:24	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG895008	1	08/03/16 17:17	08/03/16 21:55	JM
Total Solids by Method 2540 G-2011	WG895255	1	08/03/16 13:22	08/03/16 13:32	MEL

TP-3-3 L850694-02 Solid

Collected by: Chad Koepfle
Collected date/time: 07/26/16 11:45
Received date/time: 07/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG895300	1	08/03/16 13:55	08/04/16 09:30	NJB
Metals (ICP) by Method 6010B	WG895140	1	08/03/16 08:03	08/03/16 10:05	CCE
Metals (ICP) by Method 6010B	WG895140	5	08/03/16 08:03	08/03/16 11:20	CCE
Polychlorinated Biphenyls (GC) by Method 8082	WG895111	1	08/02/16 21:00	08/03/16 18:52	LKD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG895031	20	08/02/16 22:47	08/04/16 06:05	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG895008	5	08/03/16 17:17	08/03/16 22:09	JM
Total Solids by Method 2540 G-2011	WG895255	1	08/03/16 13:22	08/03/16 13:32	MEL

TP-6-1 L850694-03 Solid

Collected by: Chad Koepfle
Collected date/time: 07/26/16 12:00
Received date/time: 07/27/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG895300	1	08/03/16 13:55	08/04/16 08:31	NJB
Metals (ICP) by Method 6010B	WG895140	1	08/03/16 08:03	08/03/16 09:40	CCE
Polychlorinated Biphenyls (GC) by Method 8082	WG895111	1	08/02/16 21:00	08/03/16 19:35	LKD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG895031	5	08/02/16 22:47	08/04/16 05:23	KMP
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX	WG895008	5	08/03/16 17:17	08/03/16 22:23	JM
Total Solids by Method 2540 G-2011	WG895255	1	08/03/16 13:22	08/03/16 13:32	MEL

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Brian Ford
Technical Service Representative

Sample Narrative

L850694-01 - SV8082 (PCBs): Analysis could not be completed due to insufficient sample volume.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	63.1		1	08/03/2016 13:32	WG895255

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.279		0.0317	1	08/04/2016 09:23	WG895300

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	9.46		3.17	1	08/03/2016 09:56	WG895140
Barium	1160		3.96	5	08/03/2016 11:17	WG895140
Cadmium	1.35		0.793	1	08/03/2016 09:56	WG895140
Chromium	28.5		1.59	1	08/03/2016 09:56	WG895140
Lead	3940		0.793	1	08/03/2016 09:56	WG895140
Selenium	ND		3.17	1	08/03/2016 09:56	WG895140
Silver	ND		1.59	1	08/03/2016 09:56	WG895140

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	21.5		6.34	1	08/03/2016 21:55	WG895008
Residual Range Organics (RRO)	68.0		15.9	1	08/03/2016 21:55	WG895008
(S) o-Terphenyl	*63.7*		*50.0-150*		*08/03/2016 21:55*	WG895008

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Anthracene	ND		0.00951	1	08/03/2016 15:24	WG895031
Acenaphthene	ND		0.00951	1	08/03/2016 15:24	WG895031
Acenaphthylene	ND		0.00951	1	08/03/2016 15:24	WG895031
Benzo(a)anthracene	0.0699		0.00951	1	08/03/2016 15:24	WG895031
Benzo(a)pyrene	0.127		0.00951	1	08/03/2016 15:24	WG895031
Benzo(b)fluoranthene	0.187		0.00951	1	08/03/2016 15:24	WG895031
Benzo(g,h,i)perylene	0.131		0.00951	1	08/03/2016 15:24	WG895031
Benzo(k)fluoranthene	0.0488		0.00951	1	08/03/2016 15:24	WG895031
Chrysene	0.110		0.00951	1	08/03/2016 15:24	WG895031
Dibenz(a,h)anthracene	0.0179		0.00951	1	08/03/2016 15:24	WG895031
Fluoranthene	0.137		0.00951	1	08/03/2016 15:24	WG895031
Fluorene	ND		0.00951	1	08/03/2016 15:24	WG895031
Indeno(1,2,3-cd)pyrene	0.0974		0.00951	1	08/03/2016 15:24	WG895031
Naphthalene	0.0383		0.0317	1	08/03/2016 15:24	WG895031
Phenanthrene	0.0364		0.00951	1	08/03/2016 15:24	WG895031
Pyrene	0.161		0.00951	1	08/03/2016 15:24	WG895031
1-Methylnaphthalene	ND		0.0317	1	08/03/2016 15:24	WG895031
2-Methylnaphthalene	ND		0.0317	1	08/03/2016 15:24	WG895031
2-Chloronaphthalene	ND		0.0317	1	08/03/2016 15:24	WG895031
(S) Nitrobenzene-d5	*80.7*		*22.1-146*		*08/03/2016 15:24*	WG895031
(S) 2-Fluorobiphenyl	*71.3*		*40.6-122*		*08/03/2016 15:24*	WG895031
(S) p-Terphenyl-d14	*47.1*		*32.2-131*		*08/03/2016 15:24*	WG895031

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	69.1		1	08/03/2016 13:32	WG895255

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.324		0.0289	1	08/04/2016 09:30	WG895300

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	11.3		2.89	1	08/03/2016 10:05	WG895140
Barium	1500		3.62	5	08/03/2016 11:20	WG895140
Cadmium	1.37		0.724	1	08/03/2016 10:05	WG895140
Chromium	40.5		1.45	1	08/03/2016 10:05	WG895140
Lead	697		0.724	1	08/03/2016 10:05	WG895140
Selenium	ND		2.89	1	08/03/2016 10:05	WG895140
Silver	ND		1.45	1	08/03/2016 10:05	WG895140

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	71.4		28.9	5	08/03/2016 22:09	WG895008
Residual Range Organics (RRO)	731		72.4	5	08/03/2016 22:09	WG895008
(S) o-Terphenyl	*55.4*		*50.0-150*		*08/03/2016 22:09*	WG895008

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
PCB 1016	ND		0.0246	1	08/03/2016 18:52	WG895111
PCB 1221	ND		0.0246	1	08/03/2016 18:52	WG895111
PCB 1232	ND		0.0246	1	08/03/2016 18:52	WG895111
PCB 1242	ND		0.0246	1	08/03/2016 18:52	WG895111
PCB 1248	ND		0.0246	1	08/03/2016 18:52	WG895111
PCB 1254	ND		0.0246	1	08/03/2016 18:52	WG895111
PCB 1260	ND		0.0246	1	08/03/2016 18:52	WG895111
(S) Decachlorobiphenyl	*43.5*		*10.0-143*		*08/03/2016 18:52*	WG895111
(S) Tetrachloro-m-xylene	*80.7*		*29.2-144*		*08/03/2016 18:52*	WG895111

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Anthracene	ND		0.174	20	08/04/2016 06:05	WG895031
Acenaphthene	ND		0.174	20	08/04/2016 06:05	WG895031
Acenaphthylene	ND		0.174	20	08/04/2016 06:05	WG895031
Benzo(a)anthracene	0.586		0.174	20	08/04/2016 06:05	WG895031
Benzo(a)pyrene	0.974		0.174	20	08/04/2016 06:05	WG895031
Benzo(b)fluoranthene	1.06		0.174	20	08/04/2016 06:05	WG895031
Benzo(g,h,i)perylene	1.23		0.174	20	08/04/2016 06:05	WG895031
Benzo(k)fluoranthene	0.291		0.174	20	08/04/2016 06:05	WG895031
Chrysene	0.887		0.174	20	08/04/2016 06:05	WG895031
Dibenz(a,h)anthracene	0.195		0.174	20	08/04/2016 06:05	WG895031
Fluoranthene	0.849		0.174	20	08/04/2016 06:05	WG895031
Fluorene	ND		0.174	20	08/04/2016 06:05	WG895031

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Indeno(1,2,3-cd)pyrene	0.740		0.174	20	08/04/2016 06:05	WG895031
Naphthalene	ND		0.579	20	08/04/2016 06:05	WG895031
Phenanthrene	0.381	B	0.174	20	08/04/2016 06:05	WG895031
Pyrene	1.03		0.174	20	08/04/2016 06:05	WG895031
1-Methylnaphthalene	ND		0.579	20	08/04/2016 06:05	WG895031
2-Methylnaphthalene	ND		0.579	20	08/04/2016 06:05	WG895031
2-Chloronaphthalene	ND		0.579	20	08/04/2016 06:05	WG895031
(S) Nitrobenzene-d5	*72.2*	J7	*22.1-146*		*08/04/2016 06:05*	WG895031
(S) 2-Fluorobiphenyl	*74.0*	J7	*40.6-122*		*08/04/2016 06:05*	WG895031
(S) p-Terphenyl-d14	*57.9*	J7	*32.2-131*		*08/04/2016 06:05*	WG895031

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.3		1	08/03/2016 13:32	WG895255

Mercury by Method 7471A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Mercury	0.0771		0.0237	1	08/04/2016 08:31	WG895300

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Arsenic	12.6		2.37	1	08/03/2016 09:40	WG895140
Barium	446	J6	0.593	1	08/03/2016 09:40	WG895140
Cadmium	6.22		0.593	1	08/03/2016 09:40	WG895140
Chromium	25.9		1.19	1	08/03/2016 09:40	WG895140
Lead	2240	O1 V	0.593	1	08/03/2016 09:40	WG895140
Selenium	ND		2.37	1	08/03/2016 09:40	WG895140
Silver	ND		1.19	1	08/03/2016 09:40	WG895140

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Diesel Range Organics (DRO)	113		23.7	5	08/03/2016 22:23	WG895008
Residual Range Organics (RRO)	687		59.3	5	08/03/2016 22:23	WG895008
(S) o-Terphenyl	*62.2*		*50.0-150*		*08/03/2016 22:23*	WG895008

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
PCB 1016	ND		0.0202	1	08/03/2016 19:35	WG895111
PCB 1221	ND		0.0202	1	08/03/2016 19:35	WG895111
PCB 1232	ND		0.0202	1	08/03/2016 19:35	WG895111
PCB 1242	ND		0.0202	1	08/03/2016 19:35	WG895111
PCB 1248	ND		0.0202	1	08/03/2016 19:35	WG895111
PCB 1254	ND		0.0202	1	08/03/2016 19:35	WG895111
PCB 1260	0.0348		0.0202	1	08/03/2016 19:35	WG895111
(S) Decachlorobiphenyl	*59.2*		*10.0-143*		*08/03/2016 19:35*	WG895111
(S) Tetrachloro-m-xylene	*93.5*		*29.2-144*		*08/03/2016 19:35*	WG895111

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Anthracene	ND		0.0356	5	08/04/2016 05:23	WG895031
Acenaphthene	ND		0.0356	5	08/04/2016 05:23	WG895031
Acenaphthylene	ND		0.0356	5	08/04/2016 05:23	WG895031
Benzo(a)anthracene	0.0628		0.0356	5	08/04/2016 05:23	WG895031
Benzo(a)pyrene	0.101		0.0356	5	08/04/2016 05:23	WG895031
Benzo(b)fluoranthene	0.124		0.0356	5	08/04/2016 05:23	WG895031
Benzo(g,h,i)perylene	0.126		0.0356	5	08/04/2016 05:23	WG895031
Benzo(k)fluoranthene	ND		0.0356	5	08/04/2016 05:23	WG895031
Chrysene	0.0904		0.0356	5	08/04/2016 05:23	WG895031
Dibenz(a,h)anthracene	ND		0.0356	5	08/04/2016 05:23	WG895031
Fluoranthene	0.152		0.0356	5	08/04/2016 05:23	WG895031
Fluorene	ND		0.0356	5	08/04/2016 05:23	WG895031

Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Indeno(1,2,3-cd)pyrene	0.0829		0.0356	5	08/04/2016 05:23	WG895031
Naphthalene	ND		0.119	5	08/04/2016 05:23	WG895031
Phenanthrene	0.0937	B	0.0356	5	08/04/2016 05:23	WG895031
Pyrene	0.129		0.0356	5	08/04/2016 05:23	WG895031
1-Methylnaphthalene	ND		0.119	5	08/04/2016 05:23	WG895031
2-Methylnaphthalene	ND		0.119	5	08/04/2016 05:23	WG895031
2-Chloronaphthalene	ND		0.119	5	08/04/2016 05:23	WG895031
(S) Nitrobenzene-d5	*81.1*		*22.1-146*		*08/04/2016 05:23*	WG895031
(S) 2-Fluorobiphenyl	*77.7*		*40.6-122*		*08/04/2016 05:23*	WG895031
(S) p-Terphenyl-d14	*59.3*		*32.2-131*		*08/04/2016 05:23*	WG895031

Method Blank (MB)

(MB) R3154391-1 08/03/16 13:32

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00150			

L850565-06 Original Sample (OS) • Duplicate (DUP)

(OS) L850565-06 08/03/16 13:32 • (DUP) R3154391-3 08/03/16 13:32

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.0	87.1	1	4.80		5

Laboratory Control Sample (LCS)

(LCS) R3154391-2 08/03/16 13:32

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3154524-1 08/04/16 08:24

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0028	0.0200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3154524-2 08/04/16 08:26 • (LCSD) R3154524-3 08/04/16 08:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.275	0.279	92	93	80-120			1	20

L850694-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L850694-03 08/04/16 08:31 • (MS) R3154524-4 08/04/16 08:34 • (MSD) R3154524-5 08/04/16 08:37

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.356	0.0771	0.387	0.371	87	83	1	75-125			4	20

Method Blank (MB)

(MB) R3154201-1 08/03/16 09:33

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.65	2.00
Barium	0.32	J	0.17	0.500
Cadmium	U		0.07	0.500
Chromium	U		0.14	1.00
Lead	U		0.19	0.500
Selenium	U		0.74	2.00
Silver	U		0.28	1.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3154201-2 08/03/16 09:35 • (LCSD) R3154201-3 08/03/16 09:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Arsenic	100	104	98.4	104	98	80-120			6	20
Barium	100	106	99.7	106	100	80-120			6	20
Cadmium	100	105	98.0	105	98	80-120			6	20
Chromium	100	105	98.3	105	98	80-120			6	20
Lead	100	105	98.9	105	99	80-120			6	20
Selenium	100	108	103	108	103	80-120			5	20
Silver	100	105	99.2	105	99	80-120			6	20

L850694-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L850694-03 08/03/16 09:40 • (MS) R3154201-6 08/03/16 09:48 • (MSD) R3154201-7 08/03/16 09:51

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	119	12.6	127	123	96	93	1	75-125			3	20
Barium	119	446	482	489	30	36	1	75-125	J6	J6	1	20
Cadmium	119	6.22	124	120	99	96	1	75-125			4	20
Chromium	119	25.9	136	133	93	90	1	75-125			2	20
Lead	119	2240	489	575	0	0	1	75-125	V	V	16	20
Selenium	119	ND	124	119	105	100	1	75-125			4	20
Silver	119	ND	124	119	104	101	1	75-125			4	20

Method Blank (MB)

(MB) R3154484-1 08/03/16 20:12

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	*103*			*50.0-150*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3154484-2 08/03/16 20:27 • (LCSD) R3154484-3 08/03/16 20:41

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Diesel Range Organics (DRO)	30.0	28.6	28.3	95.3	94.4	50.0-150			0.900	20
Residual Range Organics (RRO)	30.0	29.3	28.4	97.6	94.7	50.0-150			3.02	20
(S) o-Terphenyl				*86.6*	*84.5*	*50.0-150*				

L850081-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L850081-01 08/03/16 22:53 • (MS) R3154484-4 08/03/16 21:25 • (MSD) R3154484-5 08/03/16 21:40

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Diesel Range Organics (DRO)	39.4	U	28.4	29.3	70.5	72.8	1	50.0-150			3.11	20
Residual Range Organics (RRO)	39.4	4.95	29.3	30.4	61.7	64.7	1	50.0-150			3.89	20
(S) o-Terphenyl					*56.7*	*57.1*		*50.0-150*				

Method Blank (MB)

(MB) R3154342-1 08/03/16 10:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.00350	0.0170
PCB 1221	U		0.00537	0.0170
PCB 1232	U		0.00417	0.0170
PCB 1242	U		0.00318	0.0170
PCB 1248	U		0.00315	0.0170
PCB 1254	U		0.00472	0.0170
PCB 1260	U		0.00494	0.0170
(S) Decachlorobiphenyl	*108*			*10.0-143*
(S) Tetrachloro-m-xylene	*93.3*			*29.2-144*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3154342-2 08/03/16 11:04 • (LCSD) R3154342-3 08/03/16 11:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.167	0.152	0.150	91.3	89.9	46.5-120			1.53	27
PCB 1016	0.167	0.139	0.136	83.4	81.6	46.3-117			2.07	27.5
(S) Decachlorobiphenyl				*111*	*101*	*10.0-143*				
(S) Tetrachloro-m-xylene				*96.0*	*87.6*	*29.2-144*				

L850694-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L850694-02 08/03/16 18:52 • (MS) R3154342-4 08/03/16 19:06 • (MSD) R3154342-5 08/03/16 19:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.241	ND	0.143	0.143	59.4	59.1	1	24.6-127			0.540	20
PCB 1016	0.241	ND	0.199	0.197	82.7	81.6	1	23.9-147			1.37	25.8
(S) Decachlorobiphenyl					*55.1*	*52.9*		*10.0-143*				
(S) Tetrachloro-m-xylene					*90.5*	*91.1*		*29.2-144*				

Method Blank (MB)

(MB) R3154245-3 08/03/16 08:50

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.000600	0.00600
Acenaphthene	U		0.000600	0.00600
Acenaphthylene	U		0.000600	0.00600
Benzo(a)anthracene	U		0.000600	0.00600
Benzo(a)pyrene	U		0.000600	0.00600
Benzo(b)fluoranthene	U		0.000600	0.00600
Benzo(g,h,i)perylene	U		0.000600	0.00600
Benzo(k)fluoranthene	U		0.000600	0.00600
Chrysene	U		0.000600	0.00600
Dibenz(a,h)anthracene	U		0.000600	0.00600
Fluoranthene	0.000772	J	0.000600	0.00600
Fluorene	U		0.000600	0.00600
Indeno(1,2,3-cd)pyrene	U		0.000600	0.00600
Naphthalene	U		0.00200	0.0200
Phenanthrene	0.00178	J	0.000600	0.00600
Pyrene	U		0.000600	0.00600
1-Methylnaphthalene	U		0.00200	0.0200
2-Methylnaphthalene	U		0.00200	0.0200
2-Chloronaphthalene	U		0.00200	0.0200
(S) p-Terphenyl-d14	*78.9*			*32.2-131*
(S) Nitrobenzene-d5	*96.5*			*22.1-146*
(S) 2-Fluorobiphenyl	*85.3*			*40.6-122*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3154245-1 08/03/16 08:08 • (LCSD) R3154245-2 08/03/16 08:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0800	0.0685	0.0684	85.6	85.5	50.3-130			0.120	20
Acenaphthene	0.0800	0.0702	0.0703	87.7	87.9	52.4-120			0.140	20
Acenaphthylene	0.0800	0.0726	0.0726	90.7	90.8	49.6-120			0.0500	20
Benzo(a)anthracene	0.0800	0.0685	0.0712	85.6	89.0	46.7-125			3.85	20
Benzo(a)pyrene	0.0800	0.0671	0.0667	83.9	83.4	42.3-119			0.640	20
Benzo(b)fluoranthene	0.0800	0.0641	0.0680	80.1	85.0	43.6-124			5.89	20
Benzo(g,h,i)perylene	0.0800	0.0717	0.0743	89.6	92.9	45.1-132			3.61	20
Benzo(k)fluoranthene	0.0800	0.0719	0.0756	89.9	94.5	46.1-131			5.00	20
Chrysene	0.0800	0.0716	0.0746	89.5	93.3	49.5-131			4.10	20
Dibenz(a,h)anthracene	0.0800	0.0762	0.0799	95.3	99.8	44.8-133			4.66	20
Fluoranthene	0.0800	0.0771	0.0784	96.4	98.0	49.3-128			1.67	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3154245-1 08/03/16 08:08 • (LCSD) R3154245-2 08/03/16 08:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Fluorene	0.0800	0.0716	0.0722	89.4	90.2	50.6-121			0.850	20
Indeno(1,2,3-cd)pyrene	0.0800	0.0745	0.0776	93.2	97.0	46.1-135			4.06	20
Naphthalene	0.0800	0.0707	0.0703	88.4	87.9	49.6-115			0.570	20
Phenanthrene	0.0800	0.0698	0.0707	87.3	88.3	48.8-121			1.15	20
Pyrene	0.0800	0.0711	0.0733	88.9	91.7	44.7-130			3.07	20
1-Methylnaphthalene	0.0800	0.0772	0.0763	96.5	95.3	50.6-122			1.20	20
2-Methylnaphthalene	0.0800	0.0750	0.0743	93.7	92.9	50.4-120			0.900	20
2-Chloronaphthalene	0.0800	0.0666	0.0669	83.3	83.6	53.9-121			0.380	20
(S) p-Terphenyl-d14				*77.0*	*76.8*	*32.2-131*				
(S) Nitrobenzene-d5				*100*	*97.5*	*22.1-146*				
(S) 2-Fluorobiphenyl				*89.2*	*87.6*	*40.6-122*				

L850395-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L850395-02 08/03/16 15:45 • (MS) R3154245-4 08/03/16 16:05 • (MSD) R3154245-5 08/03/16 16:26

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0949	ND	0.0748	0.0703	78.8	74.0	1	26.5-141			6.17	21.2
Acenaphthene	0.0949	ND	0.0749	0.0704	78.9	74.2	1	31.9-130			6.22	20
Acenaphthylene	0.0949	ND	0.0781	0.0731	82.3	76.9	1	33.7-129			6.70	20
Benzo(a)anthracene	0.0949	ND	0.0722	0.0688	76.1	72.5	1	18.3-136			4.84	24.6
Benzo(a)pyrene	0.0949	ND	0.0808	0.0778	85.1	82.0	1	16.9-135			3.77	25.2
Benzo(b)fluoranthene	0.0949	ND	0.0672	0.0643	70.8	67.7	1	10.0-134			4.51	30.9
Benzo(g,h,i)perylene	0.0949	ND	0.0560	0.0544	59.0	57.3	1	14.1-140			2.92	25.5
Benzo(k)fluoranthene	0.0949	ND	0.0741	0.0706	78.0	74.4	1	18.2-138			4.79	25.6
Chrysene	0.0949	ND	0.0744	0.0710	78.4	74.8	1	17.1-145			4.72	24.2
Dibenz(a,h)anthracene	0.0949	ND	0.0669	0.0651	70.5	68.6	1	18.5-138			2.75	24.3
Fluoranthene	0.0949	ND	0.0834	0.0792	87.9	83.4	1	15.4-144			5.28	27.1
Fluorene	0.0949	ND	0.0752	0.0706	79.2	74.4	1	23.5-136			6.28	20
Indeno(1,2,3-cd)pyrene	0.0949	ND	0.0632	0.0615	66.6	64.8	1	14.5-142			2.75	25.8
Naphthalene	0.0949	ND	0.0767	0.0721	80.8	76.0	1	29.2-128			6.14	20
Phenanthrene	0.0949	ND	0.0735	0.0695	77.4	73.2	1	20.1-134			5.57	23.6
Pyrene	0.0949	ND	0.0753	0.0716	79.3	75.4	1	11.0-148			4.95	26.1
1-Methylnaphthalene	0.0949	ND	0.0824	0.0772	86.8	81.3	1	28.4-137			6.61	20
2-Methylnaphthalene	0.0949	ND	0.0804	0.0757	84.7	79.8	1	26.6-137			6.02	20
2-Chloronaphthalene	0.0949	ND	0.0724	0.0667	76.3	70.3	1	38.6-126			8.21	20
(S) p-Terphenyl-d14					*67.1*	*62.3*		*32.2-131*				
(S) Nitrobenzene-d5					*88.8*	*81.2*		*22.1-146*				
(S) 2-Fluorobiphenyl					*78.6*	*71.5*		*40.6-122*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina [1]	DW21704
Florida	E87487	North Carolina [2]	41
Georgia	NELAP	North Dakota	R-140
Georgia [1]	923	Ohio–VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky [1]	90010	South Dakota	n/a
Kentucky [2]	16	Tennessee [1 4]	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

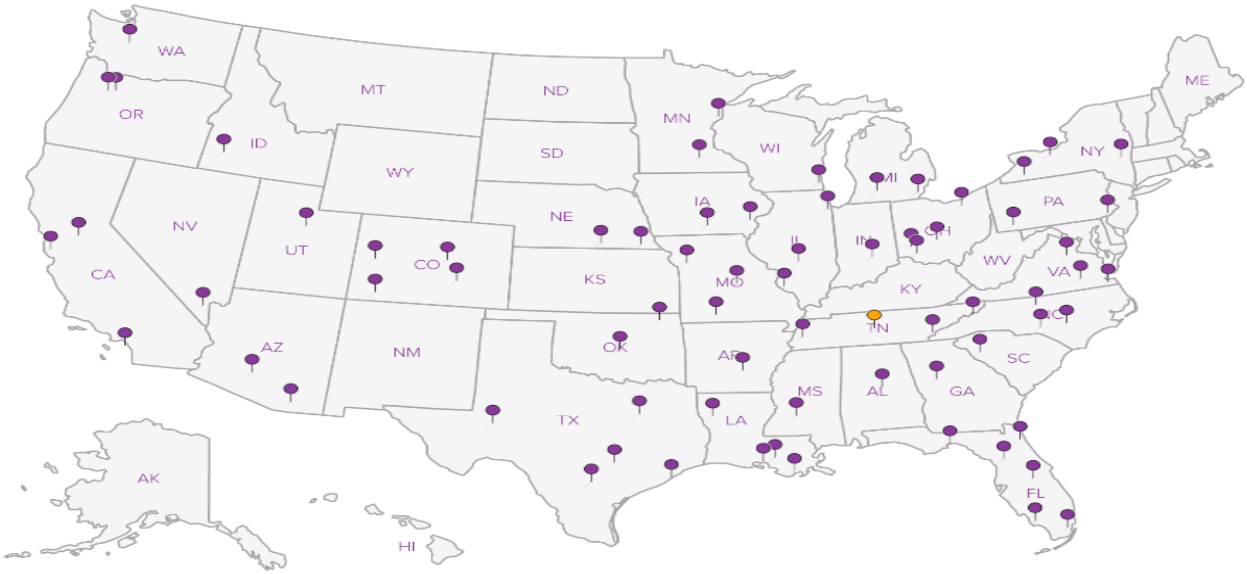
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Company Name/Address: Geodesign

Billing Information:

Report to: Eric Hedberg

Email To: ehedberg@geodesigninc.com

Project Description: 1340 SE 9th soil testing

City/State Collected: Portland OR

Phone:
Fax:

Client Project #

Lab Project #

Collected by (print): Chad Koepke

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis / Container / Preservative: Hold
TP-1-1	G	SS	1	7/26/16	1215	1	X
TP-3-3	↓	↓	3		1145	1	X
TP-6-1	↓	↓	1	↓	1200	1	X

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other ___

Remarks: Eric will advise on analysis

pH ___ Temp ___

Flow ___ Other ___

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	7/26/16	1420	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ___

Temp: 2.8 °C Bottles Received: 3

Date: 7-27-16 Time: 9:00

6503 7150 9455

7-121

Condition: (lab use only) OK

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF:

Chain of Custody Page ___ of ___

ESC LABORATORY SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 1850694

Table #

Acctnum:

Template:

Prelogin:

TSR:

PB:

Shipped Via:

Rem./Contaminant	Sample # (lab only)
	-01
	-02
	-03

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

Cooler Receipt Checklist

Client: GEODESPOR SDG# L850694

Cooler Received/Opened On: 7-27-16 By: MICHAEL

Temperature Upon Receipt: 2.8 °c

Mmt
(Signature)

Cooler Receipt Check List	Yes	No	N/A
Were custody seals on outside of cooler and intact?	✓		
Were custody papers properly filled out (ink, signed, etc.)?	✓		
Did all bottles arrive in good condition?	✓		
Were correct bottles used for the analyses requested?	✓		
Was sufficient amount of sample sent in each bottle?	✓		
Were correct preservatives used?			✓
Were all applicable sample containers checked for preservation? (Any samples not in accepted pH range noted on COC .)			✓
If applicable, was an observable VOA headspace present?			✓
Non Conformance Generated? (If yes see attached NCF)		✓	

Troy Dunlap L850694

From: Brian Ford
Sent: Tuesday, August 02, 2016 4:52 PM
To: Login; Sample Storage
Cc: Chris Johnson; John Davis; Due SVOC; Extractions; Due Metals
Subject: *GEODESPOR* log off hold
Attachments: Scan1.pdf

Please log the attached hold COC (hold # 7-121) for NWTPHDX, MRCRA8, SV8082, SV8270PAHSIMD, and TS for all samples. Log as R4 due 08/05. Use GEODESPOR-CAPSTONE project.

Chris/Johnny,

Let me know if TAT is an issue.

Thanks,
Brian Ford | Technical Service Representative
ESC Lab Sciences
12065 Lebanon Rd. | Mt. Juliet, TN 37122
Office: 615.773.9772 | Cell: 931.510.2229
bford@esclabsciences.com
www.esclabsciences.com
Notice: This communication and any attached files may contain privileged or other confidential information. If you have received this in error, please contact the sender immediately via reply email and immediately delete the message and any attachments without copying or disclosing the contents. Thank you.

APPENDIX H

PBS | Engineering + Environmental

TRANSMITTAL

DATE: August 2, 2016

TO: David Stoudt
Via email only

FROM: Dulcy Berri

PBS PROJECT NO: 22488.003

RE: **Results of Shallow Soil Testing for Lead**
SE 9th Parking Lot

Hi Dave –

Attached is a site plan indicating locations of 15 test pits completed on July 22 and 26, 2016, in the parking lot on SE 9th, Portland, Oregon. Test pits were completed as agreed, to a depth of 3 feet below ground surface (bgs). Soil was tested for lead at 1-foot intervals using an Innov-X XRF (Alpha Series). The limit of detection was around 13 mg/Kg. The site plan includes the locations of GeoDesign's borings DP-12 and DP-13 in the northwest quarter of the lot; at those locations, soil tests for lead at 1.0-2.5 feet bgs were 1,780 and 3,550 mg/kg, respectively.

The attached Test Pit Log indicates the test pit numbers and the three XRF readings collected at each depth. A total of five locations were selected to retain soil samples for laboratory analysis for lead. The right-hand column includes that depth and result of those laboratory analyses. Some variability is noted and is considered a result of the inhomogeneity of the soil strata.

The data set of 47 points averages 321 mg/kg with a 90% UCL of 437 mg/Kg. In only 2 discrete locations did lead levels exceed occupational, construction worker and excavation worker limits of 800 mg/kg. Where lead is present, it appears near or above the 400 mg/Kg limit for residential occupancy in the first 1 to 2 feet of soil across the site then attenuates quickly. That horizon was typically noted to be fill including some buried brick, metal and glass debris.

With only a few exceptions, soil removal to 2 feet bgs will achieve the 400 mg/kg or less criteria, if residential is the planned future occupancy. The Oregon DEQ has not established a separate "urban residential" threshold which is the likely future design, where the ground floor is commercial and upper levels are residential and significantly distances the residential occupants from the soil subsurface. Some criteria between 400 and 800 mg/kg would be appropriate for this type of occupancy, but has not been established to-date.

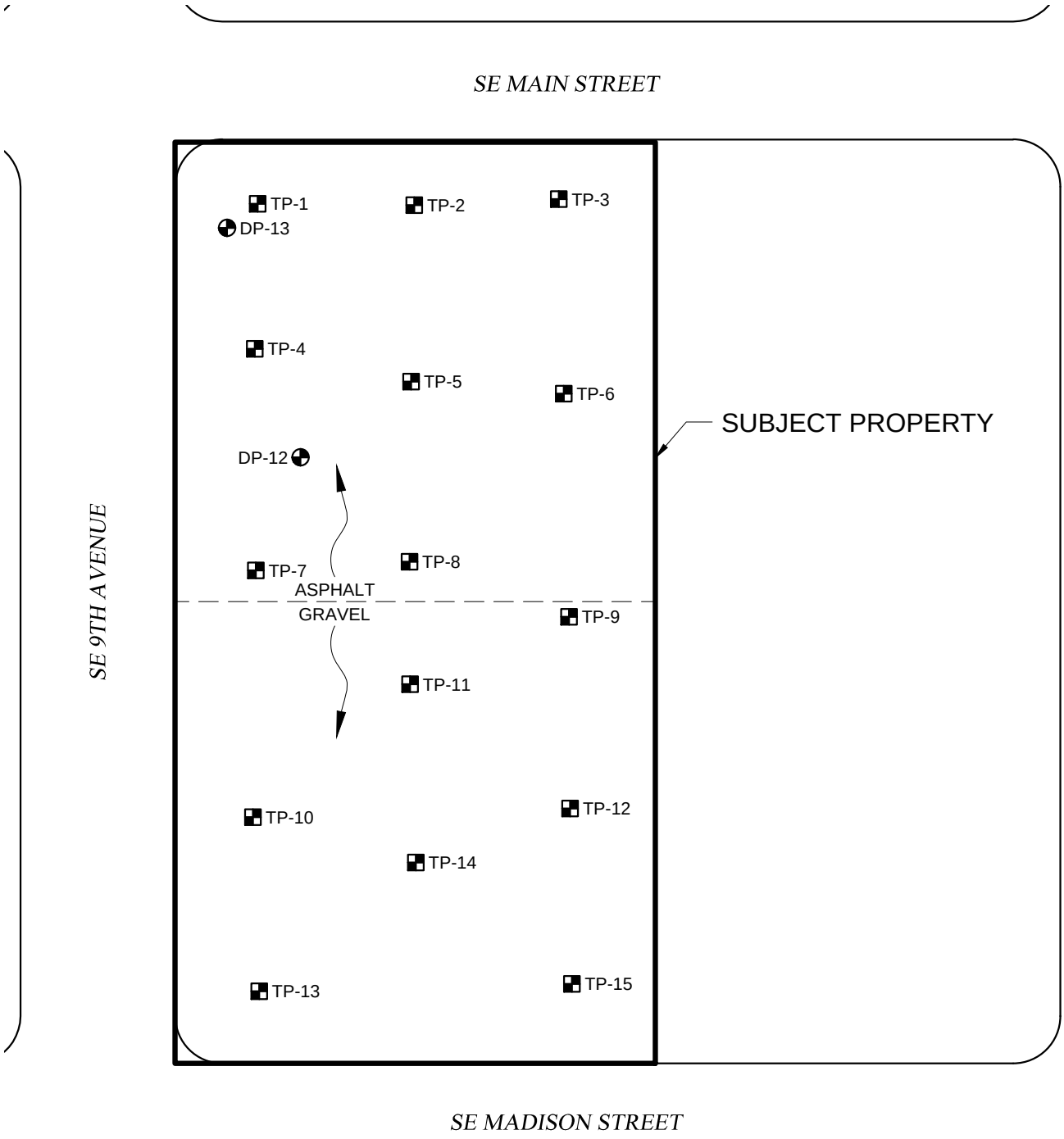
4412 SW Corbett Avenue, Portland, OR 97239
503.248.1939 Main
866.727.0140 Fax
888.248.1939 Toll-Free
www.pbsenv.com

Custom Stamp & Mfg. Co.
Test Pitting in parking lot at SE 9th and Main - Page 1 of 2
8/1/2016

	XRF readings	Sample?	
TP-1	1' - 326 2' - 427 3' - 117	**TP-1-1**	1,180 mg/kg
TP-2	1' - 451 2' - 294 3' -154	**no**	
TP-3	1' - 497 2' - 271 3' - 645	**TP-3-3**	607 mg/kg
TP-4	1'- <13 2' - 29 3' - 92	**no**	
TP-5	1' - 383 2' - 70 3' - 30	**no**	
TP-6	1' - 435 2' - 41 3' - 17	**TP-6-1**	391 mg/kg
TP-7	1' - 295 2' - <13 3' - 15	**no**	
TP-8	1' - 239 2' - 28 3' - 45	**no**	
TP-9	1' - 344 2' - 141 3' - 91	**no**	

Custom Stamp & Mfg. Co.
Test Pitting in parking lot at SE 9th and Main
8/1/2016

	XRF readings	**Sample?**	
TP-10	1' - <13	no	
	2' - 17		
	3' - <14		
TP-11	1' - 437	no	
	2' - 22		
	3' - 62		
TP-12	1' - 1,003	no	
	2' - 63		
	3' - 56		
TP-13	1' - <13	no	
	2' - <13		
	3' - <13		
TP-14	1' - 159	**TP-14-1**	232 mg/kg
	2' - 29		
	3' - 22		
TP-15	1' - 1,300		
	2' - 1,063	**TP-15-2**	1,110 mg/kg
	3' - 25	**rqstd TCLP lead 7/29/16**	



LEGEND

TP-1 PBS TEST PIT NUMBER AND LOCATION

DP-1 GEO DESIGN BORING NUMBER AND LOCATION

0' 30' 60' 120'

SCALE: 1" = 60'

PREPARED FOR: CUSTOM STAMP AND MANUFACTURING CO.

PBS

PROJECT # 22484.003

DATE JULY 2016

SITE PLAN

SE 9TH STREET
PORTLAND, OREGON

FIGURE 2

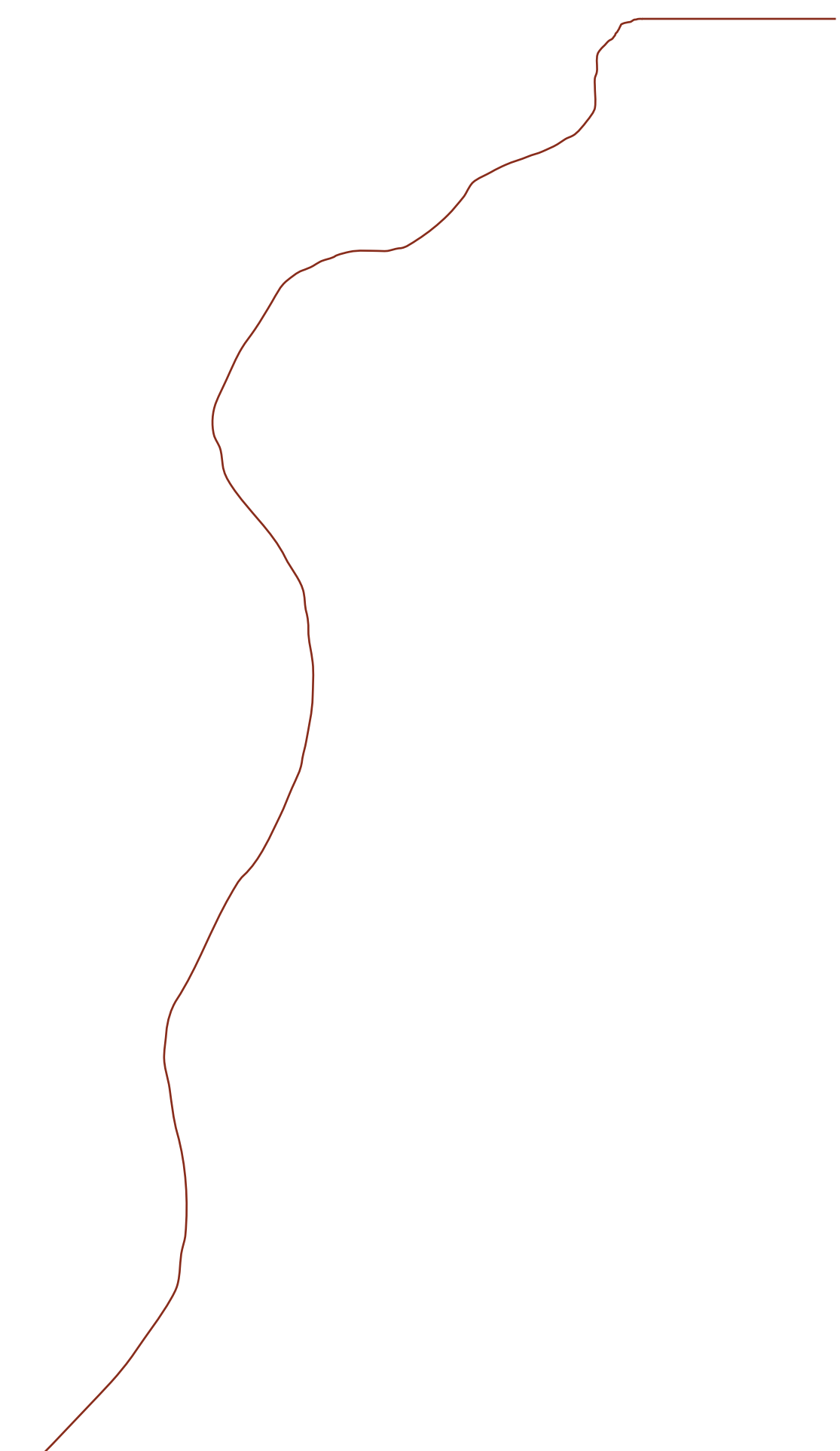
L:\Projects\22000\22400-22499\22484 CustomStampingOversight\22484.003 SE 9th Soil Testing\DWG\22484.003_FIG 1-2.dwg Aug 01, 2016 01:30pm jimb

ACRONYMS AND ABBREVIATIONS

ACRONYMS AND ABBREVIATIONS

ACM	asbestos-containing material(s)
AHERA	Asbestos Hazard Emergency Response Act
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
BGS	below ground surface
BS	blank spike
BSD	blank spike duplicate
CCV	continuing calibration verification
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CESQG	conditionally exempt small quantity generator
CFR	Code of Federal Regulations
CFSL	Clean Fill Screening Level
CMMP	Contaminated Media Management Plan
CRL	Confirmed Release List
DEQ	Oregon Department of Environmental Quality
ECHO	Enforcement & Compliance History Information
ECSI	Environmental Cleanup Site Information
EDR	Environmental Data Resources, Inc.
ENG CONTROLS	Engineering Controls Site List
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
FINDS	Facilities Index System/Facility Registry System
HSIS	Hazardous Substance Information Survey
I.D.	identification
INST CONTROL	Institutional Control Sites
LBP	lead-based paint
LUST	Leaking Underground Storage Tank
mg/cm^2	milligrams per square centimeter
mg/kg	milligrams per kilogram
MS	matrix spike
MSD	matrix spike duplicate
MSL	mean sea level
NA	not applicable
NE	not established
NFA	No Further Action
OR-OSHA	Oregon Occupational Safety & Heath Division
ORS	Oregon Revised Statute
OSFM	Oregon State Fire Marshal
PAH	polycyclic aromatic hydrocarbon
PBOT	Portland Bureau of Transportation
PCB	polychlorinated biphenyl
PID	photoionization detector
ppm	parts per million
PVC	polyvinyl chloride

QC	quality control
RBC	risk-based concentration
RCRA	Resource Conservation and Recovery Act
RCRAInfo	Resource Conservation and Recovery Act Information
RDL	reported detection limit
ROW	right-of-way
RPD	relative percent difference
SEA	Scott Edwards Architecture LLP
SQG	small quantity generator
TCE	trichloroethene
TPH	total petroleum hydrocarbon
UCL	upper confidence limit
UIC	underground injection control
µg/L	micrograms per liter
$\mu g/m^3$	micrograms per cubic meter
USGS	U.S. Geological Survey
UST	underground storage tank
VCP	Voluntary Cleanup Program
VOC	volatile organic compound
XRF	x-ray fluorescence



GeoDesign Inc

CONTAMINATED MEDIA MANAGEMENT PLAN

Custom Stamping Site – East Block
Tax Lots 7200 and 7300
1001 and 1031 SE Madison Street
Portland, Oregon

For
Block 213, LLC and
Oregon Department of Environmental Quality, Northwest Region
September 12, 2017

GeoDesign Project: Capstone-12-04

GeoDesign INC

September 12, 2017

Block 213, LLC
1015 NW 11th Avenue, Suite 243
Portland, OR 97029

Attention: Stacy Blanton

Contaminated Media Management Plan
Custom Stamping Site – East Block
Tax Lots 7200 and 7300
1001 and 1031 SE Madison Street
Portland, Oregon
GeoDesign Project: Capstone-12-04

GeoDesign is pleased to submit this CMMP for the east block of the former Custom Stamping site located at 1001 and 1031 SE Madison Street in Portland, Oregon (project site). This CMMP addresses the management of known and potentially contaminated media that could be encountered during site development within the corresponding Tax Lots 7200 and 7300. This CMMP is intended to be used by the excavation contractor during earthwork activities and should be used in conjunction with the 1200-C NPDES permit and any project specifications provided to the contractor by the project developer (Block 213, LLC) pertaining to the handling, management, characterization, re-use, and/or disposal of impacted media at the project site.

♦ ♦ ♦

Please call if you have questions regarding this CMMP.

Sincerely,

GeoDesign, Inc.

Jason O'Donnell, R.G.
Principal Geologist

cc: Ray Hoy, Oregon Department of Environmental Quality (via email only)
Jeff Sackett, Block 213, LLC (via email only)
Chris Nelson, Block 213, LLC (via email only)
Lauren Golden Jones, Block 213, LLC (via email only)
Andy Holdeman, Fortis Construction (via email only)
Mike Woods, Fortis Construction (via email only)
Jeff Herd, Fortis Construction (via email only)
Adam Boehm, Urban Resources, Inc. (via email only)
Peter Grimm, Scott Edwards Architecture, LLP (via email only)
Bruce Haunreiter, Harper Houf Peterson Righellis, Inc. (via email only)

EAH:JSO:kt
Attachments
One copy submitted (via email only)
Document ID: Capstone-12-04-091217-envr-CMMP-East.docx
© 2017 GeoDesign, Inc. All rights reserved.

TABLE OF CONTENTS **PAGE NO.**

1.0 INTRODUCTION 1
2.0 BACKGROUND 1
2.1 Project Site History 1
2.2 Surface Conditions 2
2.3 Subsurface Conditions 2
2.4 Soil and Groundwater Impacts 3
3.0 PROPOSED DEVELOPMENT 5
4.0 CMMP 5
4.1 Soil Management 5
4.2 Groundwater Management 11
5.0 UNFORESEEN CONDITIONS 11
6.0 ASSUMPTIONS AND LIMITATIONS 12

FIGURES
Site Vicinity Map Figure 1
Site Plan Figure 2
Site Plan – Subsurface Exploration Locations Figure 3
Detail Site Plan – East Block Proposed Improvements Figure 4

TABLES
Summary of Soil Sample Chemical Analytical Results – TPH and VOCs Table 1
Summary of Soil Sample Chemical Analytical Results – PAHs Table 2
Summary of Soil Sample Chemical Analytical Results – Total Metals Table 3
Summary of Soil Sample Chemical Analytical Results – PCBs Table 4
Summary of Groundwater Sample Chemical Analytical Results – TPH and VOCs Table 5
Summary of Groundwater Sample Chemical Analytical Results – Total Metals Table 6

APPENDICES
Appendix A
Site-Specific Health and Safety Plan A-1
Appendix B
PBS Shallow Soil Testing Report

ACRONYMS AND ABBREVIATIONS

1.0 INTRODUCTION

This CMMP has been prepared by GeoDesign, Inc. on behalf of Block 213, LLC (Capstone) for the development of the east block of the former Custom Stamping site located at 1001 and 1031 SE Madison in Portland, Oregon (project site).

This CMMP specifically addresses construction work contemplated on the east block of the overall former Custom Stamping site, encompassing Tax Lots 7200 and 7300. GeoDesign prepared and submitted a CMMP specific to the other portions of the Custom Stamping site under separate cover.

This CMMP is intended to assist the construction team in field identification and management of contaminated media that may be encountered during site excavation activities related to the project development. This CMMP includes field protocol for identification, response actions, communications, removal, temporary storage or stockpiling, transportation, and treatment, and/or disposal of contaminated media.

The project site vicinity is shown on Figure 1. Figure 2 shows the pre-construction layout and parcel/space designations of the Custom Stamping blocks. The locations of previous explorations and the proposed site development layout are shown on Figure 3. A Site-Specific HSP is presented in Appendix A.

Acronyms and abbreviations used herein are defined at the end of this document.

2.0 BACKGROUND

2.1 PROJECT SITE HISTORY

Overall, the Custom Blocks project site encompassed five tax lots as shown on Figure 2. Beginning in approximately 1936 uses included tool and die works, tool services, auto services and warehousing, welding, truck parts, and a garage. A more detailed discussion of project site history and the results of GeoDesign's Phase I and Phase II ESAs are presented in our report dated August 26, 2016[1] (Summary Report).

As described in the Summary Report, project site history specific to the project site (Tax Lots 7200 and 7300) included the following:

- From 1897 through 1924 the project site was vacant land with Hawthorne Creek Gulch and its associated channel flowing northwest through Tax Lots 7200 and 7300. By 1924 the gulch and channel had been backfilled and the project site was vacant, with the exception of an auto wrecking and auto parts storage business on the southwestern portion of Tax Lot 7300.

[1] GeoDesign, Inc., 2016. *Environmental Services Report; Custom Stamping Site; 1340 SE 9th Avenue; Portland, Oregon*, dated August 26, 2016. GeoDesign Projects: Capstone-12-02 and 12-03

- From 1936 through 1950 the auto wrecking operation expanded northward to Tax Lot 7200. After 1969 the auto wrecking business vacated from Tax Lots 7200 and 7300, and the project site has since been used for parking and equipment storage.

Based on the results of GeoDesign's subsurface explorations completed from April through July 2016, Capstone entered the project site into the DEQ VCP in January 2017. Initial remedial actions competed within the VCP were focused on the western blocks. However, this CMMP is intended to address potentially impacted soils encountered during limited earthwork associated with parking area improvements planned for Tax Lots 7200 and 7300. Proposed improvements are shown on Figure 4.

2.2 SURFACE CONDITIONS

The project site is bordered by SE Main Street to the north, SE 10th Avenue to the west, SE Madison Street to the south, and private property (parking) areas to the east.

The project site is generally flat, at an elevation of approximately 40 feet above MSL. The surface of the project site is covered by asphalt on the north half (Tax Lot 7200) and gravel on the south half (Tax Lot 7300).

2.3 SUBSURFACE CONDITIONS

2.3.1 General

Our understanding of subsurface conditions at the project site is based on completion of the following activities by GeoDesign and others:

- A subsurface soil and groundwater assessment that included the completion of a geophysical survey and direct-push borings throughout the Custom Stamping site in April 2016 for the collection of soil and groundwater samples and chemical analytical characterization for petroleum hydrocarbons, VOCs, PAHs, metals, and PCBs. During the assessment, eight direct-push borings were advanced at the project site.
- A shallow soil sampling and lead screening assessment completed on behalf of the former project site owner by PBS in July 2016. During this assessment, PBS excavated 15 test pits at the project site to characterize near-surface soil conditions using an XRF field instrument. The PBS report is presented in Appendix B.

The approximate locations of GeoDesign's and PBS's environmental explorations are shown on Figures 3 and 4.

2.3.2 Soil Conditions

In general, soil conditions at the project site consist of gravel fill containing miscellaneous metal and brick debris to depths ranging from 0.5 to 1.0 foot BGS. Beneath the gravel, former channel (Hawthorne Creek Gulch) fill is present, comprised of a variable mixture of silt, silty sand, and silty gravel to depths ranging from approximately 6 to 21 feet BGS. Native material generally comprised of silty gravel with sand was encountered below the fill material.

2.3.3 Groundwater Conditions

Groundwater was encountered at depths ranging from approximately 11 to 14 feet BGS in explorations completed at the project site. We infer that the groundwater level may vary on the order of 2 to 3 feet during the course of wet and dry seasons. It is our understanding that construction activities for the proposed near-term improvements at the project site will be limited and shallow in nature and will not encounter groundwater.

2.4 SOIL AND GROUNDWATER IMPACTS

This section summarizes known soil and groundwater impacts at the project site as determined from previous phases of environmental assessment by GeoDesign and others. A summary of soil and groundwater sample analytical data and comparison to DEQ RBCs for construction/excavation workers and DEQ CFSLs is presented in Tables 1 through 6. These tables include the results of GeoDesign's April 2016 subsurface explorations, as well as samples and screening results associated with the evaluation completed by PBS in July 2016.

2.4.1 Soil Impacts

Known areas of impacted soil appear to be focused from ground surface to approximately 2 feet BGS, consistent with the upper gravel fill that contains a significant amount of brick and metal debris. Below this depth, the data indicate a sharp attenuation in detected concentrations of TPH, metals, and PAHs (refer to Tables 1 through 3).

Earthwork activity associated with near-term site redevelopment is expected to include limited near-surface grading to support construction of a new pavement course, landscaping, and shallow stormwater treatment facilities. The deepest excavation associated with near-term improvements is expected to be approximately 3 to 4 feet BGS on the south side of the project site to facilitate construction of a stormwater flow-through swale underlain by an impermeable membrane. However, a complete inventory of known subsurface impacts at the project site is presented in the event that future invasive activities penetrate deeper intervals.

Based on the development history of the project site, it is possible that isolated pockets of previously unknown soil impacts could be encountered during shallow excavation work.

2.4.1.1 TPH

TPH compounds (as gasoline, diesel, and/or oil) have been detected in soil samples at the following maximum concentrations:

- Gasoline-range hydrocarbons: up to 198 mg/kg
- Diesel-range hydrocarbons: up to 1,810 mg/kg
- Oil-range hydrocarbons: up to 2,100 mg/kg

Results of exploratory activities completed to date indicate that concentrations of TPH in soil are limited and sporadic in nature. DEQ CFSLs have not been generated for TPH compounds. TPH detections have not exceeded the DEQ RBCs for construction or excavation workers.

2.4.1.2 VOCs

A limited number of VOCs have been detected in soil samples collected at the project site at concentrations up to 0.818 mg/kg. Detected VOCs include benzene, butylbenzene, and acetone.

Results of exploratory activities completed to date indicate that concentrations of VOCs in soil are limited and sporadic in nature. VOC detections have not exceeded DEQ CFSLs or DEQ RBCs for construction or excavation workers.

2.4.1.3 PAHs

Several PAHs have been detected in soil samples collected at the project site at concentrations up to 1.23 mg/kg. Detected PAHs include anthracene, acenaphthene, acenaphthene, acenaphthylene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, pyrene, 1-methylnaphthalene, and 2-methylnaphthalene.

Results of exploratory activities completed to date indicate that concentrations of PAHs in soil are limited and sporadic in nature. While several PAH concentrations exceed corresponding DEQ CFSLs, none of the detected VOC concentrations exceeded the DEQ RBCs for construction and/or excavation workers.

2.4.1.4 Metals

Metals have been detected in soil samples collected at the project site at concentrations up to 3,940 mg/kg. Detected metals include arsenic, barium, cadmium, chromium, lead, mercury, and silver. Elevated concentrations of lead have been detected throughout the project site, particularly in the upper 2 feet.

Arsenic, barium, cadmium, mercury, and silver have been detected at concentrations exceeding DEQ CFSLs. In addition, lead has been detected at concentrations exceeding DEQ CFSLs and DEQ RBCs for construction and excavation workers.

2.4.1.5 PCBs

PCBs have not been detected in soil samples collected at the project site.

2.4.2 Groundwater Impacts

Groundwater was encountered at the project site at depths ranging from approximately 11 to 14 feet BGS. Due to the limited and shallow in nature of the proposed near-term improvements, groundwater will not be encountered. A discussion of groundwater data is included in this CMMP in the event deeper excavation and dewatering is conducted in the future.

Low concentrations of TPH and metals have been detected in groundwater samples collected during previous exploratory activities. VOCs were not detected in any groundwater samples collected at the project site. The results of groundwater sampling at the project site are summarized in Tables 5 and 6. None of the detected concentrations of TPH or metals have exceeded DEQ RBCs applicable to the project site.

3.0 PROPOSED DEVELOPMENT

We understand the near-term project site use will mimic recent use, comprised of parking areas supporting commercial and light-industrial use of the former Custom Stamping blocks. However, site improvements will be completed to provide an updated parking layout, asphalt paving course, landscaping, and a shallow stormwater flow-through swale facility underlain by impermeable sheeting. The proposed site improvements are shown on Figure 4.

Shallow grading activities are planned to support construction of the new pavement course. We anticipate that shallow grading will generally be limited to the upper 1 foot of existing surface fill, and the proposed stormwater facility along the southern margin of the project site may include excavation to approximately 3 to 4 feet BGS. Soils generated during earthwork activities shall be managed in accordance with this CMMP.

4.0 CMMP

The goals of this CMMP are to (1) provide the excavation contractor with information on the character and known distribution of contamination on the project site, (2) establish a decision structure to assist the earthwork contractor in the detection and management of contaminated soil during excavation activities, and (3) prevent the exacerbation of environmental conditions. This CMMP should be used during all excavation activities associated with the project site.

4.1 SOIL MANAGEMENT

TPH, VOCs, PAHs, and metals have been detected in soil at the project site. The majority of known impacted soil resides at shallow intervals (e.g., 0 to approximately 2 feet BGS), with lead comprising the most notable contaminant.

However, it is possible that impacted soil could be encountered during deeper and/or future construction activity. Some of the soil contaminant concentrations have exceeded current DEQ CFSLs. Therefore, soil encountered during construction activities should be screened and separated for further characterization as needed upon removal to evaluate final disposition of the material.

Due to the relatively consistent and elevated detections of lead in the upper horizon of fill/soil at the project site, any excavated material from this upper horizon (0 to 2 feet BGS) is assumed to be impacted with lead and shall be stockpiled for characterization for off-site disposal at a permitted receiving facility.

Soil generated below 2 feet BGS shall be screened and stockpiled in accordance with the procedures described herein. All soil shall be characterized for the presence of metals, including lead. In addition, all soil that screens positive for possible TPH, VOC, PAH, or PCB contamination will be separately stockpiled and characterized for these additional constituents prior to on-site re-use and/or off-site disposal.

4.1.1 Identification and Management of Contaminated Soil

4.1.1.1 Petroleum-Contaminated Soil

The four primary physical indicators of petroleum-related contamination in soil include staining, sheens, elevated PID readings, and petroleum-like odor. During excavation activities, soil should be continuously observed for evidence of staining, elevated PID readings, and sheen. Odor can be subjective, and inhalation of vapors from impacted soil is harmful to human health. Therefore, odor is considered an inadvertent field indicator and will not be used for continuous screening of soil.

Staining: Generally, soil that is contaminated with petroleum hydrocarbons exhibits gray or black staining, although other contaminants and natural conditions may also cause staining.

Sheen: Sheen is another indication of petroleum contamination. Soil with sheen may appear shiny and reflective. Sheens from heavily impacted soil may appear iridescent with rainbow-like colors. Sheens may also be observed in contaminated groundwater.

PID Readings: PID readings involve the measurement of headspace vapors originating from a soil sample. PID screening is performed by placing a soil sample in a plastic bag. Air is captured in the bag, and the bag is shaken to expose the soil to the air trapped in the bag. The probe of a PID is inserted into the bag, which measures VOC vapor (petroleum constituent) concentrations in units of ppm. A PID is designed to quantify VOC vapor concentrations in the range between 1 and 2,000 ppm. Our review of the historical exploration data indicates that a PID reading exceeding 20 ppm may indicate the presence of soil not expected to meet DEQ CFSLs.

Odor: Petroleum products, solvents, and other types of contaminated soil may release vapors when exposed to the atmosphere. If concentrated enough, these vapors will be interpreted as an odor. Odors may also be present in contaminated groundwater.

If soil exhibiting evidence of contamination or other debris associated with chemical contamination is encountered during excavation work (transformers, drums, other containers, and USTs), special soil handling procedures must be initiated and GeoDesign must be contacted.

Although heavily impacted soil or groundwater may have obvious indicators of contamination, some types of contamination are only detectable with the aid of specific environmental field screening equipment and/or laboratory testing. Therefore, soil that may appear to be clean based on the lack of staining, sheen, or odor may need to be handled as contaminated soil based on removal area and/or chemical analytical testing. Soil that has indicators of contamination should be characterized prior to re-use and/or off-site disposal.

4.1.1.2 PCB-Contaminated Soil

PCB-impacted soil has not been encountered in exploratory activities completed to date. However, the nature of historical project site uses indicates the possibility of PCBs in soil. The primary indicator of PCB-related contamination in soil is visual discoloration. If discolored soil is encountered during excavation work, special soil handling procedures must be initiated and GeoDesign should be contacted.

4.1.1.3 VOC-Contaminated Soil

Primary physical indicators of soil impacted with VOCs include staining, elevated PID readings, and odors. Field observations associated with these indicators are summarized in Section 4.1.1.

4.1.1.4 Metals-Contaminated Soil

Metals-impacted soil does not generally present visual indicators of contamination. Based on the results of environmental explorations completed to date, metals contamination in the upper horizon is relatively consistent. It is possible that soil may appear to be clean based on the lack of staining but may need to be handled as contaminated soil based on the results of chemical analytical testing. For this reason, all soil generated from the project site shall be stockpiled and characterized for metals contamination.

4.1.2 Soil Handling

The earthwork contractor shall be responsible for handling soil in accordance with this CMMP and immediately notifying GeoDesign of any unanticipated conditions. GeoDesign will provide routine oversight during earthwork activities to perform field screening and stockpile sampling. The frequency of oversight may be modified based on field conditions, construction schedule, and owner requests. GeoDesign will recommend chemical analytical testing of contaminated or potentially contaminated soil to evaluate disposal options. The earthwork contractor shall not replace any known or suspected contaminated soil in any excavation area without prior approval by GeoDesign.

4.1.3 Soil Field Screening Protocol

Soil generated from the upper 2 feet is assumed to be impacted with metals, including lead, and shall be managed as contaminated soil.

Soil generated below 2 feet BGS that exhibits sheen, appears stained or discolored, or generates headspace PID measurements exceeding 20 ppm will be separately stockpiled and sampled for additional constituents to evaluate options for re-use and/or off-site disposal.

Soil field screening will include observation of any disturbed project site soil. The following frequencies are prescribed for soil generated from the project site:

- Soil generated from 2 to 6 feet BGS: Soil field screening will be conducted at a minimum frequency of one grab sample per approximately 20 cubic yards or more frequently as needed.
- Soil generated from below 6 feet BGS: Soil field screening will be conducted at a minimum frequency of one grab sample per approximately 50 cubic yards or more frequently as needed.

These frequencies are estimated based on our review of project site data and prior experience on similar projects. If present, field screening will focus on soil that appears to have indications of impacts. If evidence of contamination is not observed, a random sample will be collected for field screening. The field screening process includes the following:

- Observe the sidewalls and base of the excavation (or trench) for evidence of possible contamination.
- Collect grab samples by hand or trowel (approximately one hand full) that are representative of the material being stockpiled. If used, the trowel will be decontaminated between sampling intervals.
- Retain a portion of the samples (approximately the size of half a sugar cube) for sheen testing that includes dropping the soil into a black pan to observe the degree of soil sheen (no sheen, slight sheen, moderate sheen, or heavy sheen).
- The majority of the grab sample will be placed into a plastic bag with trapped air. The bagged sample is allowed to sit for approximately one minute and then tested for headspace vapors using a hand-held PID. Based on the routine field screening process and the use of standard bag size, we assume that the amount of trapped air in each bag is approximately equivalent for all field-screened samples. Calibration of the PID will be conducted on a daily basis and will be recorded in a calibration log. The calibration log will document the PID model calibration standard used and background level after calibration.
- Field screening documentation (i.e., staining, sheen, headspace vapor measurements, and odors) and a brief description of the soil type will be recorded in soil field screening logs. The field logs will indicate areas and associated volumes of excavated material requiring stockpiling for further evaluation.

Field management of excavated soil will be supported using the field screening and decision matrix summarized below.

Sheen Results	PID Results (ppm)	Visual	Action
No sheen	<20.0	No staining or odor	Soil shall be stockpiled and characterized for the presence of metals, including lead.
Slight sheen, moderate sheen, or heavy sheen	>20.0	Staining or odor	Soil shall be stockpiled and characterized for the presence of TPH, VOCs, PAHs, PCBs, and metals.

4.1.4 Stockpiling and Sampling

Soil generated from the upper 2 feet will be stockpiled and managed as contaminated material for disposal at a permitted facility. Soil generated from underlying intervals will be stockpiled and characterized for the presence of metals, including lead. In addition, soil generated from below 2 feet BGS that does not meet field screening criteria shall be separately stockpiled for further evaluation of additional constituents.

Soil that is placed in temporary stockpiles must be well maintained at all times. All stockpiled soil must be placed either (1) in lined and covered roll-off drop boxes or (2) on impermeable plastic sheeting (minimum 6-mil thick) with a berm around the perimeter of the stockpile and a plastic sheeting cover. The plastic sheeting and berm prevent the runoff of stockpiled soil contaminants to surrounding areas. The berm may be constructed with straw bales or other equivalent methods approved by GeoDesign. The bottom plastic sheeting should be lapped over the berm materials, and the soil stockpile within the berm should also be covered with plastic

sheeting to prevent erosion or leaching of contaminants from the soil stockpile impacting the underlying soil. The upper plastic sheeting covering the soil stockpile should be secured using sand bags or equivalent. The upper plastic sheeting prevents the stockpiled soil from being exposed to precipitation and wind.

Stockpiled soil will be sampled using a composite sampling scheme at the frequency specified below.

Stockpile Sampling Frequency

Stockpile Volume (cubic yards)	Number of Composite Samples to Collect
0 - 10	2
11 - 50	3
51 - 100	4
101 - 500	5
501 - 1,000	7
Greater than 1,000	10

Each composite sample will be comprised of three sub-samples collected from a particular area of the stockpile. Stockpiles greater than 1,000 cubic yards will be sampled at a rate of 10 composites for the first 1,000 cubic yards, plus one composite for each additional 500 cubic yards.

Samples will be collected using a decontaminated trowel. Each discrete portion of the sample will be placed into a plastic bag or stainless steel bowl and homogenized. A portion of the sample volume will be retained for field screening using the methods described in Section 4.1.3. The composite samples will be transferred directly into laboratory-prepared containers and submitted under chain-of-custody procedures to an analytical laboratory. The analytical results of composite soil sampling will be used to evaluate suitability for on-site re-use or to identify appropriate off-site disposal facilities.

Each composite soil sample collected from stockpiled material from the upper 2 feet BGS and any lower interval that does not pass field screening criteria will be submitted for analysis of the following:

- RCRA 8 total and TCLP metals by EPA 1311/6000/7000 Series Methods
- TPH (gasoline- and diesel-range) by NWTPH methods
- VOCs by EPA Method 8260B
- PCBs by EPA Method 8082

Each composite soil sample collected from stockpiled material from beneath 2 feet BGS that does not exhibit any field screening evidence of impact will be submitted for analysis of the following:

- RCRA 8 total metals (and possible TCLP analysis) by EPA 1311/6000/7000 Series Methods

The contractor is responsible for restoration of all stockpiled areas to a pre-stockpile condition, which means all soil and debris should be removed from the area. Stockpiled plastic debris is not to remain on the project site or any adjacent sites following stockpile soil removal. If stockpiled soil is removed for off-site disposal, completion of removal must be satisfactory to Block 213, LLC and GeoDesign.

4.1.5 Re-Use

If on-site re-use of excavated soil is desired, and is supported by the results of laboratory analytical testing, the material will remain in a stockpiled state until final placement. For any areas of re-use, the soil analytical results, specific areas of placement and cover, and other details related to the final disposition of re-used material must be documented by the contractor and reported to GeoDesign.

4.1.6 Load and Haul

Soil will be stockpiled at the project site for chemical characterization. If the laboratory analytical results indicate that off-site disposal is appropriate and disposal permits are secured, the stockpiled material can be loaded into trucks for transport. The contractor must exercise care during loading of the potentially contaminated soil to minimize spillage of the soil onto the ground surface. All trucks leaving the project site will be free of loose soil on the exterior of the trucks and may require covers. Contaminated soil loaded into trucks should be covered if weather conditions could cause soil to blow out (dry, warm, or windy conditions) during transport to the disposal facility. The contractor must use care not to track soil onto city roads and must routinely wash down the roads if soil is being tracked onto them. Trucks will not be allowed to leave the project site if liquids are draining from the load. Transport tracking tickets may be required to document delivery to the approved disposal facility for each individual truck leaving the project site.

4.1.7 Erosion and Dust Control

Exposed soil will become susceptible to erosion by wind and water; therefore, erosion control measures should be planned carefully and in place before cut and fill operations begin. Silt fences, hay bales, and/or granular haul roads will be used as required to reduce sediment transport during construction to acceptable levels. Measures to reduce erosion should be implemented in accordance with OAR 340-41-006, OAR 340-41-455, and the City of Portland and Multnomah County regulations regarding erosion control. In general, erosion control measures must limit sediment transport to less than 1 ton per acre per year, as calculated by the Universal Soil Loss equation.

Erosion and dust control measures will be presented in an ESCP for on- and off-site portions of the project site. An ESCP is a necessary part of the 1200-C NPDES stormwater discharge permit. The anticipated erosion and dust control measures to be outlined in the ESCP include the use of sediment fences, inlet protection, gravel construction entrances, biofilter bags, and light watering during dry periods. Particularly for activities disturbing the upper 2 feet of soil, dust shall be kept to a minimum to prevent mobilization of metals-impacted soil.

4.1.8 Cultural Resources

The areas of planned excavations are not expected to contain cultural or archaeological artifacts. However, if cultural or archaeological resources are inadvertently discovered during excavation, work in the area must stop and the Legislative Commission on Indian Services shall be notified by calling (503) 986-1067. The Oregon State Historic Preservation Office should be contacted regarding discovery or potential damage to archaeological sites. DEQ should also be contacted so that modifications to the work scope may be discussed.

4.1.9 Contractor Reporting Requirements

The contractor is responsible for keeping a detailed daily record of all soil excavation, stockpiling, export, and disposal of potentially contaminated soil. This includes the purpose, origin, destination, and volume of soil that is (1) loaded and hauled off site as clean fill, (2) stockpiled on site as clean fill, (3) separately stockpiled on site as potentially contaminated soil, and/or (4) loaded and hauled off site as contaminated soil under a valid disposal permit. The contractor is responsible for preparing a daily field report for distribution to the owner that identifies the amount of soil excavated, stockpiled, and/or transported off site and daily tonnage for each respective soil disposition. All soil excavation, handling, and disposal will be documented in these daily field reports by the contractor, and all field screening, soil sampling, and analysis will be documented in a summary report prepared by GeoDesign.

The contractor will be responsible for the permitting and disposal of contaminated soil and shall provide copies of all disposal receipts to GeoDesign.

4.2 GROUNDWATER MANAGEMENT

Based on the results of groundwater sampling completed during earlier exploratory activities and the relatively shallow depth of earthwork activities contemplated for the development, we expect that groundwater will not be encountered and dewatering will not be required during construction activities.

If future invasive activity necessitates dewatering to support construction activity, the location of the work should be reviewed and GeoDesign should be consulted to review groundwater quality and associated treatment measures, if necessary, to comply with the construction stormwater permit (1200-C NPDES permit) and applicable local, state, and federal laws.

5.0 UNFORESEEN CONDITIONS

In the event that potentially hazardous conditions are encountered that are not addressed in this CMMP, the earthwork contractor shall cease work and notify Block 213, LLC and GeoDesign. The earthwork contractor will then barricade or otherwise isolate the area and avoid work the area until authorized to do so by GeoDesign. GeoDesign will determine the appropriate course of action to assess potential unknown conditions encountered during excavation. The earthwork contractor shall not replace any known or suspected contaminated soil in any excavation area without prior approval by GeoDesign.

6.0 ASSUMPTIONS AND LIMITATIONS

This CMMP is designed to provide earthwork contractors with guidance for the proper handling and management of potentially contaminated media. This document is intended to be used as a general overview document for the use of the excavation contractor and project development team during the earthwork portions of the project.

The prime general contractor must prepare and implement a site-specific HCP. The HCP fulfills "worker right to know" requirements (29 CFR 1926.59). A copy of the HCP must be submitted to the owner prior to the start of work on the project. During work on the project, the HCP must be posted at the project site. The prime general contractor is responsible for notifying subcontractors of pertinent environmental conditions. Subcontractors may either adopt the prime general contractor's HCP or must prepare their own HCP. This document should be used in conjunction with, not in place of, the HCP and the project specifications. The prime general contractor and subcontractor are responsible for the safety of its employees, including compliance with applicable OSHA regulations, and compliance with all specifications in the technical specifications manual for the project. In addition to implementation of an HCP, the prime earthwork contractor is responsible for preparation and implementation of a site-specific HSP to ensure adequate protection for their workers while on site.

♦ ♦ ♦

Please call if you have questions regarding this CMMP.

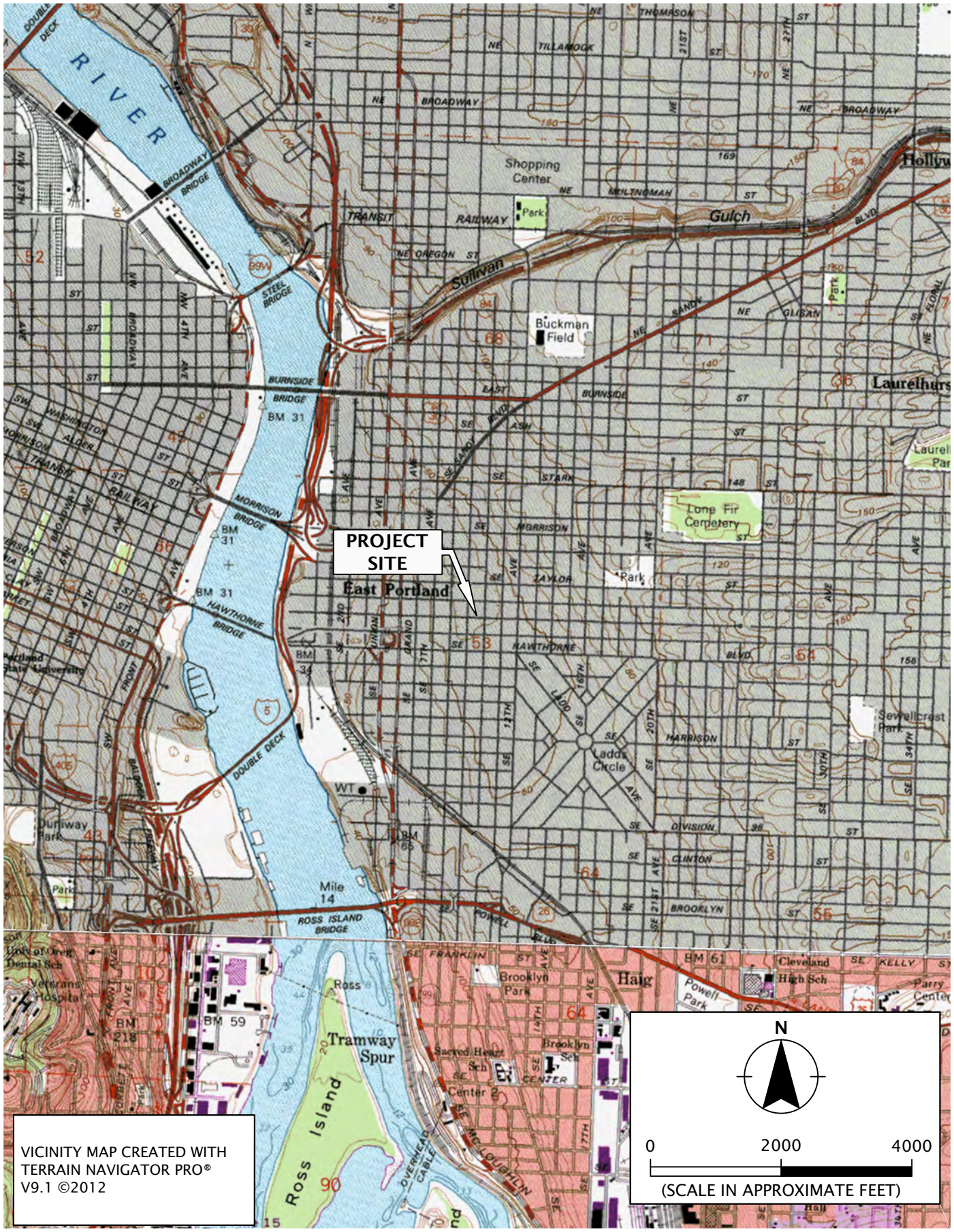
Sincerely,

GeoDesign, Inc.

Erik A. Hedberg, P.E.
Senior Project Engineer

Jason O'Donnell, R.G.
Principal Geologist

FIGURES



GeoDesign Inc 9450 SW Commerce Circle - Suite 300 Wilsonville OR 97070 503.968.8787 www.geodesigninc.com	CAPSTONE-12-04	**VICINITY MAP**	
	SEPTEMBER 2017	CUSTOM STAMPING SITE - EAST BLOCK PORTLAND, OR	**FIGURE 1**

Printed By: aday | Print Date: 9/11/2017 2:22:02 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-04\Figures\CAD\CMMP\CMMP-EAST BLOCK\Capstone-12-04-VM01.dwg | Layout: FIGURE 1

LEGEND:

PROJECT SITE BOUNDARY

TAX LOT BOUNDARY

NOTE:
TAX LOTS 6500, 6800, 6900, 7000, AND 7100 SUBJECT TO SEPARATE CONSTRUCTION.

N

0 60 120

(SCALE IN FEET)

SITE PLAN BASED ON AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH PRO®, JANUARY 9, 2016

SITE PLAN

CUSTOM STAMPING SITE - EAST BLOCK
PORTLAND, OR

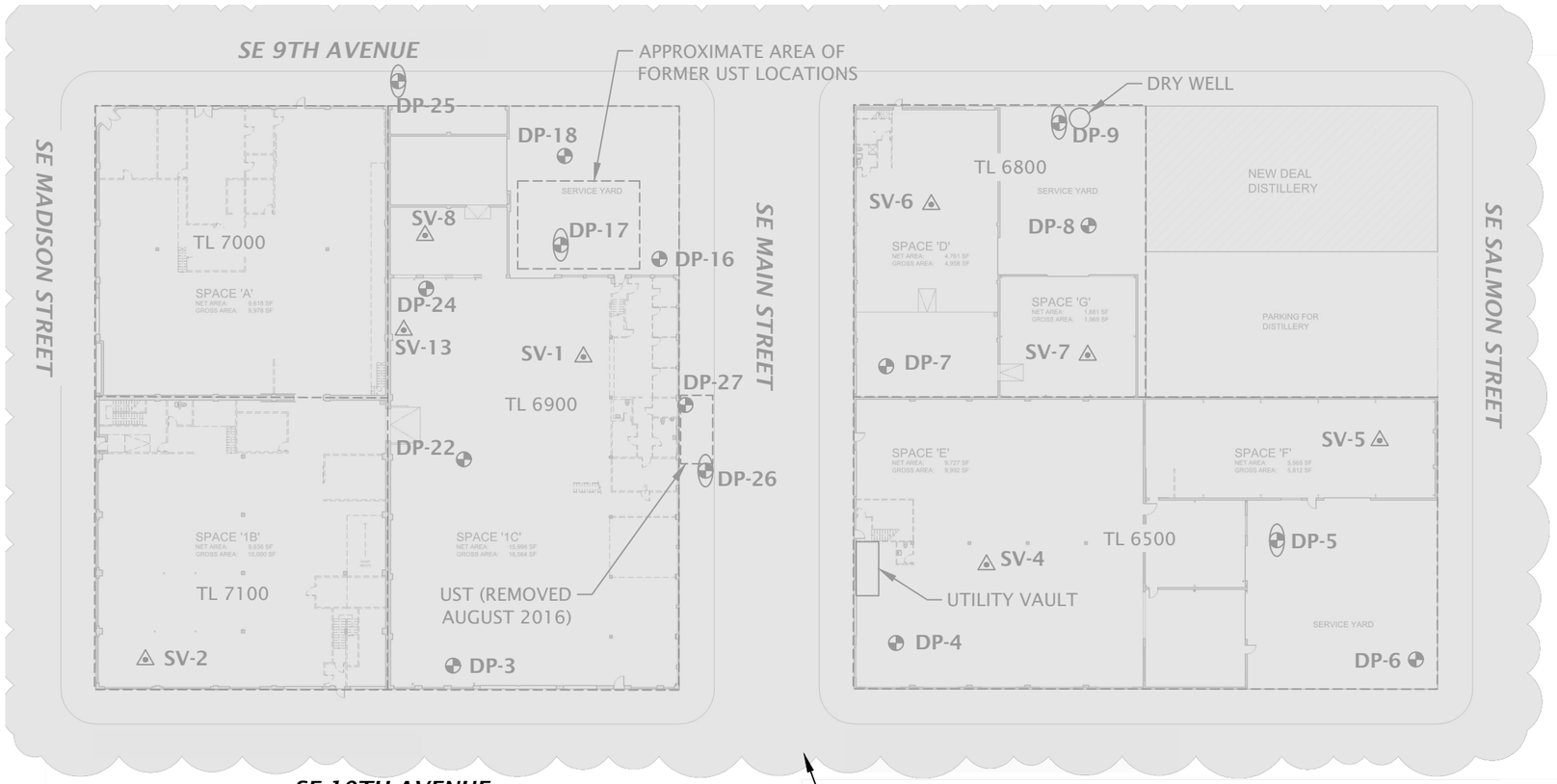
FIGURE 2

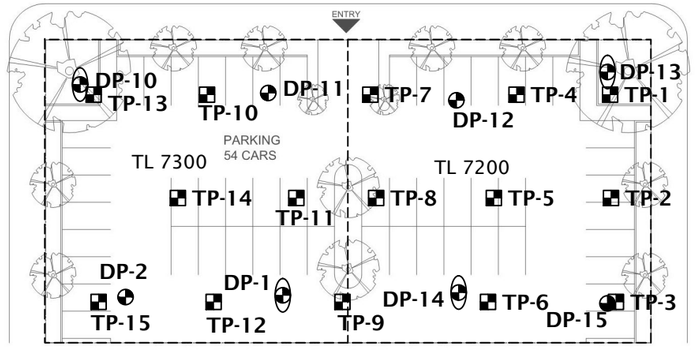
CAPSTONE-12-04

SEPTEMBER 2017

GEODESIGN INC
9450 SW Commerce Circle - Suite 300
Wilsonville OR 97070
503.968.8787 www.geodesigninc.com

Printed By: aday | Print Date: 9/11/2017 2:22:12 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-04\Figures\CAD\CMMP\CMMP-EAST BLOCK\Capstone-12-04-SP01.dwg | Layout: FIGURE 2





LEGEND:

---------	TAX LOT BOUNDARY
DP-1	DIRECT-PUSH BORING
SV-1	VAPOR SAMPLE
DP-1	GROUNDWATER SAMPLE
TP-1	TEST PIT (PBS, JULY 2016)

NOTE:
SUBSURFACE CONDITIONS AND ASSOCIATED MANAGEMENT PROCEDURES FOR WORK IN THE WESTERN BLOCKS (TAX LOTS 6500, 6800, 6900, 7000, AND 7100) ARE SUMMARIZED AND GOVERNED UNDER A SEPARATE CMMP.

N

0 50 100

(SCALE IN FEET)

SITE PLAN BASED ON IMAGE OBTAINED FROM CAPSTONE PARTNERS LLC, MARCH 15, 2016

SITE PLAN - SUBSURFACE EXPLORATION LOCATIONS

CUSTOM STAMPING SITE - EAST BLOCK
PORTLAND, OR

FIGURE 3

CAPSTONE-12-04

SEPTEMBER 2017

GeoDesign Inc
9450 SW Commerce Circle - Suite 300
Wilsonville OR 97070
503.968.8787 www.geodesigninc.com

Printed By: aday | Print Date: 9/11/2017 2:22:13 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-04\Figures\CAD\CMMP\CMMP-EAST BLOCK\Capstone-12-04-SP01.dwg | Layout: FIGURE 3

LEGEND:

- ASPHALT PARKING
- LANDSCAPING AND RIVER ROCK
- LINED STORMWATER FLOW-THROUGH SWALE
- DP-2 ◉ DIRECT-PUSH BORING
- DP-1 ⊗ GROUNDWATER SAMPLE
- TP-1 ▪ TEST PIT (PBS, JULY 2016)

N

0 25 50

(SCALE IN FEET)

SITE PLAN BASED ON IMAGE OF SHEET A1 SITE PLAN DATED AUGUST 24, 2017 PREPARED BY SCOTT EDWARDS ARCHITECTURE LLP

DETAIL SITE PLAN - EAST BLOCK PROPOSED IMPROVEMENTS

FIGURE 4

CUSTOM STAMPING SITE - EAST BLOCK
PORTLAND, OR

CAPSTONE-12-04

SEPTEMBER 2017

GEODESIGN INC
9450 SW Commerce Circle - Suite 300
Wilsonville OR 97070
503.968.8787 www.geodesigninc.com

Printed By: aday | Print Date: 9/11/2017 2:22:15 PM
File Name: J:\A-D\Capstone\Capstone-12\Capstone-12-04\Figures\CAD\CMMP\CMMP-EAST BLOCK\Capstone-12-04-SP02.dwg | Layout: FIGURE 4

TABLES

TABLE 1
Summary of Soil Sample Chemical Analytical Results[1]
TPH and VOCs
Custom Stamping Site - East Block
Tax Lots 7200 and 7300
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	Sample Depth (feet BGS)	Field Screening Results		Gasoline-Range Organics by Method NWTPH-Gx (mg/kg)	Diesel- and Residual-Range Organics by Method NWTPH-Dx (mg/kg)		VOCs by EPA Method 8260B[2] (mg/kg)																								
			PID (ppm)	Sheen		Diesel	Residual	Acetone	Benzene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	1,2-Dichlorobenzene	1,1-Dichloroethane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	p-isopropyltoluene	MTBE	Naphthalene	Styrene	n-Propylbenzene	Tetrachloroethene	Toluene	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	Trichloroethene	1,2,4-Trimethylbenzene	1,2,3-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes (Total)
Direct-Push Explorations (GeoDesign, April 2016)																															
DP-1(15.5-16.5)	04/14/16	15.5-16.0	0.0	NS	**0.388**	**11.1**	**21.7**	ND<0.0723	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.0723	ND<0.0723	ND<0.00145	ND<0.0723	ND<0.0723	ND<0.0723	ND<0.0723	ND<0.0723	ND<0.00145	ND<0.00145	ND<0.00145	ND<0.00434
DP-2(11.5-12.5)	04/14/16	11.5-12.5	0.2	SS	ND<0.139	ND<5.57	**32.9**	ND<0.0697	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.0697	ND<0.0697	ND<0.00139	ND<0.0697	ND<0.0697	ND<0.0697	ND<0.0697	ND<0.0697	ND<0.00139	ND<0.00139	ND<0.00139	ND<0.00418
DP-10(12.0-13.0)	04/15/16	12.0-13.0	0.0	NS	ND<0.110	ND<4.42	ND<11.0	ND<0.0552	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.0552	ND<0.0552	ND<0.00110	ND<0.0552	ND<0.0552	ND<0.0552	ND<0.0552	ND<0.0552	ND<0.00110	ND<0.00110	ND<0.00110	ND<0.00331
DP-11(11.0-12.0)	04/15/16	11.0-12.0	0.0	NS	ND<0.130	ND<5.20	ND<13.0	ND<0.0657	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.0657	ND<0.0657	ND<0.00131	ND<0.0657	ND<0.0657	ND<0.0657	ND<0.0657	ND<0.0657	ND<0.00131	ND<0.00131	ND<0.00131	ND<0.00394
DP-12(1.5-2.5)	04/15/16	1.5-2.5	0.0	NS	ND<0.169	**13.1**	**43.4**	ND<0.0770	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.0770	ND<0.0770	ND<0.00154	ND<0.0770	ND<0.0770	ND<0.0770	ND<0.0770	ND<0.0770	ND<0.00154	ND<0.00154	ND<0.00154	ND<0.00462
DP-13(1.0-2.0)	04/15/16	1.0-2.0	0.0	NS	ND<0.171	**22.1**	**57.9**	ND<0.0739	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.0739	ND<0.0739	ND<0.00148	ND<0.0739	ND<0.0739	ND<0.0739	ND<0.0739	ND<0.0739	ND<0.00148	ND<0.00148	ND<0.00148	ND<0.00443
DP-14(10.0-11.0)	04/15/16	10.0-11.0	106	HS	**198**	**1,810**	**2,110**	**0.181**	ND<0.00137	ND<0.00137	**0.0868**	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00684	ND<0.00684	ND<0.00137	ND<0.00684	ND<0.00684	ND<0.00684	ND<0.00684	ND<0.00684	ND<0.00137	ND<0.00137	ND<0.00137	ND<0.00410
DP-15(15.0-16.0)	04/15/16	15.0-16.0	0.0	NS	ND<2.91	ND<4.65	**52.0**	ND<0.0715	**0.0021**	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.0715	ND<0.0715	ND<0.00143	ND<0.0715	ND<0.0715	ND<0.0715	ND<0.0715	ND<0.0715	ND<0.00143	ND<0.00143	ND<0.00143	ND<0.00429
Test Pit Explorations (PBS, July 2016)																															
TP-1-1	07/26/16	1.0	--	--	--	**21.5**	**68**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TP-3-3	07/26/16	3.0	--	--	--	**71**	**731**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TP-6-1	07/26/16	1.0	--	--	--	**113**	**687**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TP-14-1	07/22/16	1.0	--	--	--	ND<47.9	ND<120	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TP-15-2	07/22/16	2.0	--	--	--	ND<48.7	ND<122	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DEQ Generic RBCs[3]																															
Ingestion, Dermal Contact, and Inhalation																															
Construction Worker					9,700	4,600	11,000	NE	380	NE	NE	NE	20,000	3,200	710	7,100	1,700	27,000	NE	12,000	580	56,000	NE	1,800	28,000	NE	54	470	2,000	NE	3,500	20,000
Excavation Worker					>MAX	>MAX	>MAX	NE	11,000	NE	NE	NE	560,000	89,000	20,000	200,000	49,000	750,000	NE	320,000	16,000	>MAX	NE	50,000	770,000	NE	1,500	13,000	54,000	NE	98,000	560,000
DEQ CFCLs[4]					NE	NE	NE	59.52	0.0093	NE	NE	NE	70	0.037	1.2	2.5	0.16	85.2	NE	0.092	0.087	300	NE	2.4	200	0.0024	0.0046	0.02	16	1.938	92	25

Notes:
1. Chemical analyses performed by ESC Lab Sciences of Mt. Juliett, Tennessee.
2. Only detected VOCs are shown. Refer to the laboratory reports for a full listing of all analytes.
3. DEQ generic RBCs for Individual Chemicals, Revised November 1, 2015; for reference purposes only
4. DEQ Soil CFCLs dated July 23, 2014
-- not analyzed
>Csat: This RBC exceeds the limit of three-phase equilibrium partitioning. Soil concentrations in excess of this value indicate that free product may be present.
J3: The associated batch QC was outside the established quality control range for precision.
J6: The sample matrix interfered with the ability to make any accurate determination; spike value is low
>Max: The constituent RBC for this pathway is calculated as greater than 1,000,000 mg/kg or 1,000,000 mg/L. Therefore, this substance is deemed not to pose risks in this scenario.
ND: not detected at concentrations above the reference laboratory RDL
Bolding indicates analyte detection.

TABLE 2
Summary of Soil Sample Chemical Analytical Results[1]
PAHs
Custom Stamping Site - East Block
Tax Lots 7200 and 7300
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	Sample Depth (feet BGS)	PAHs by EPA Method 8270D-SIM (mg/kg)																		
			Anthracene	Acenaphthene	Acenaphthylene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene	2-Chloronaphthalene
Direct-Push Explorations (GeoDesign, April 2016)																					
DP-1(15.5-16.5)	04/14/16	15.5-16.0	**0.0117**	**0.0201**	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	ND<0.00868	**0.0217**	ND<0.00868	ND<0.00868	ND<0.0289	**0.0652**	**0.0255**	ND<0.0289	ND<0.0289	ND<0.0289
DP-2(11.5-12.5)	04/14/16	11.5-12.5	ND<0.00836	ND<0.00836	ND<0.00836	**0.0105**	**0.0264**	**0.0317**	**0.0386**	ND<0.00836	**0.0159**	ND<0.00836	**0.0146**	ND<0.00836	**0.0226**	ND<0.0279	**0.00897**	**0.0206**	ND<0.0279	ND<0.0279	ND<0.0279
DP-10(12.0-13.0)	04/15/16	12.0-13.0	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.00663	ND<0.0221	ND<0.00663	ND<0.00663	ND<0.0221	ND<0.0221	ND<0.0221
DP-11(11.0-12.0)	04/15/16	11.0-12.0	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.00780	ND<0.0260	ND<0.00780	ND<0.00780	ND<0.0260	ND<0.0260	ND<0.0260
DP-12(1.5-2.5)	04/15/16	1.5-2.5	ND<0.00840	ND<0.00840	ND<0.00840	**0.0452**	**0.0722**	**0.127**	**0.118**	**0.0401**	**0.0673**	**0.0173**	**0.0705**	ND<0.00840	**0.0778**	ND<0.0280	**0.0549**	**0.0928**	ND<0.0280	ND<0.0280	ND<0.0280
DP-13(1.0-2.0)	04/15/16	1.0-2.0	**0.0312**	ND<0.0161	ND<0.0161	**0.141**	**0.413**	**0.418**	**0.696**	**0.106**	**0.206**	**0.0508**	**0.319**	ND<0.0161	**0.395**	**0.101**	**0.252**	**0.492**	**0.169**	**0.156**	ND<0.0537
DP-14(10.0-11.0)	04/15/16	10.0-11.0	**0.267**	**0.451**	**0.100**	**0.198**	**0.205**	**0.206**	**0.110**	**0.106**	**0.296**	ND<0.0820	**0.631**	**0.840**	ND<0.0820	**0.738**	**0.306**	**0.668**	ND<0.273	ND<0.273	ND<0.273
DP-15(15.0-16.0)	04/15/16	15.0-16.0	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.0349	ND<0.116	ND<0.0349	ND<0.0349	ND<0.116	ND<0.116	ND<0.116
Test Pit Explorations (PBS, July 2016)																					
TP-1-1	07/26/16	1.0	ND<0.00951	ND<0.00951	ND<0.00951	**0.0699**	**0.127**	**0.187**	**0.131**	**0.0488**	**0.11**	**0.0179**	**0.137**	ND<0.00951	**0.0974**	**0.0383**	**0.0364**	**0.161**	ND<0.0317	ND<0.0317	ND<0.0317
TP-3-3	07/26/16	3.0	ND<0.174	ND<0.174	ND<0.174	**0.586**	**0.974**	**1.06**	**1.23**	**0.291**	**0.887**	**0.195**	**0.849**	ND<0.174	**0.74**	ND<0.579	**0.381**	**1.03**	ND<0.579	ND<0.579	ND<0.579
TP-6-1	07/26/16	1.0	ND<0.0356	ND<0.0356	ND<0.0356	**0.0628**	**0.101**	**0.124**	**0.126**	ND<0.0356	0.0904	ND<0.0356	**0.152**	ND<0.0356	**0.0829**	ND<0.119	**0.0937**	**0.129**	ND<0.119	ND<0.119	ND<0.119
TP-14-1	07/22/16	1.0	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	ND<0.0360	**0.151**	**0.0523**	ND<0.0360	**0.241**	**0.267**	ND<0.0360
TP-15-2	07/22/16	2.0	ND<0.00730	ND<0.00730	ND<0.00730	ND<0.00730	**0.0101**	**0.0106**	**0.0107**	ND<0.00730	**0.00894**	ND<0.00730	**0.0158**	ND<0.00730	ND<0.00730	ND<0.00730	**0.00812**	**0.0179**	ND<0.00730	ND<0.00730	ND<0.00730
DEQ Generic RBCs[3]																					
Ingestion, Dermal Contact, and Inhalation																					
Construction Worker			110,000	21,000	NE	24	2.4	24	NE	240	2,400	2.4	10,000	14,000	24	580	NE	7,500	NE	NE	NE
Excavation Worker			>MAX	590,000	NE	660	67	670	NE	6,700	67,000	67	280,000	390,000	670	16,000	NE	210,000	NE	NE	NE
DEQ CFSLs[4]			29	29	NE	0.15	0.015	0.15	NE	1.1	14	0.015	29	29	0.15	0.0087	NE	1,700	0.738	310	NE

Notes:
1. Chemical analyses performed by ESC Lab Sciences of Mt. Juliett, Tennessee.
2. Only detected PAHs are shown. Refer to the laboratory analytical reports for a full listing of all analytes.
3. DEQ generic RBCs for Individual Chemicals, Revised November 1, 2015; for reference purposes only
4. DEQ Soil CFCLs dated July 23, 2014
>Max: The constituent RBC for this pathway is calculated as greater than 1,000,000 mg/kg or 1,000,000 mg/L. Therefore, this substance is deemed not to pose risks in this scenario.
ND: not detected at concentrations above the laboratory RDL
NV: This chemical is considered non-volatile for purposes of the exposure calculations.
Bolding indicates analyte detection.
Orange shading indicates value exceeding DEQ CFSL.

TABLE 3
Summary of Soil Sample Chemical Analytical Results[1]
Total Metals
Custom Stamping Site - East Block
Tax Lots 7200 and 7300
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	Sample Depth (feet BGS)	Total Metals by EPA Method 6010B/7471A (mg/kg)							
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
Direct-Push Explorations (GeoDesign, April 2016)										
DP-12(1.5-2.5)	04/15/16	1.5-2.5	**11.1**	**700**	**3.8**	**16.2**	**1,780**	**0.108**	ND<2.80	ND<1.40
DP-13(1.0-2.0)	04/15/16	1.0-2.0	**13.3**	**1,580**	**2.48**	**23.7**	**3,550**	**0.378**	ND<2.69	ND<6.72
DP-14(10.0-11.0)	04/15/16	10.0-11.0	**10.8**	**149**	ND<0.684	**14.7**	**49.9**	**0.0601**	ND<2.74	ND<1.37
Test Pit Explorations (PBS, July 2016)										
TP-1	07/26/16	1.0	**9.46**	**1,160**	**1.35**	**28.5**	**(326)/1,180 Split Sample 3,940**	**0.28**	ND<3.17	ND<1.59
		2.0	--	--	--	--	**(427)**	--	--	--
		3.0	--	--	--	--	**(117)**	--	--	--
TP-2	07/26/16	1.0	--	--	--	--	**(451)**	--	--	--
		2.0	--	--	--	--	**(294)**	--	--	--
		3.0	--	--	--	--	**(154)**	--	--	--
TP-3	07/26/16	1.0	--	--	--	--	**(497)**	--	--	--
		2.0	--	--	--	--	**(271)**	--	--	--
		3.0	**11.3**	**1,500**	**1.37**	**40.5**	**(645)/607 Split Sample 697**	**0.324**	ND<2.89	ND<1.45
TP-4	07/26/16	1.0	--	--	--	--	(ND<13)	--	--	--
		2.0	--	--	--	--	**(29)**	--	--	--
		3.0	--	--	--	--	**(92)**	--	--	--
TP-5	07/26/16	1.0	--	--	--	--	**(383)**	--	--	--
		2.0	--	--	--	--	**(70)**	--	--	--
		3.0	--	--	--	--	**(30)**	--	--	--
TP-6	07/26/16	1.0	**12.6**	**446**	**6.22**	**25.9**	**(435)/391 Split Sample 2,240**	**0.08**	ND<2.37	ND<1.19
		2.0	--	--	--	--	**(41)**	--	--	--
		3.0	--	--	--	--	**(17)**	--	--	--
TP-7	07/26/16	1.0	--	--	--	--	**(295)**	--	--	--
		2.0	--	--	--	--	(ND<13)	--	--	--
		3.0	--	--	--	--	**(15)**	--	--	--
TP-8	07/26/16	1.0	--	--	--	--	**(239)**	--	--	--
		2.0	--	--	--	--	**(28)**	--	--	--
		3.0	--	--	--	--	**(45)**	--	--	--
TP-9	07/22/16	1.0	--	--	--	--	**(344)**	--	--	--
		2.0	--	--	--	--	**(141)**	--	--	--
		3.0	--	--	--	--	**(91)**	--	--	--
TP-10	07/22/16	1.0	--	--	--	--	(ND<13)	--	--	--
		2.0	--	--	--	--	**(17)**	--	--	--
		3.0	--	--	--	--	(ND<14)	--	--	--
TP-11	07/22/16	1.0	--	--	--	--	**(437)**	--	--	--
		2.0	--	--	--	--	**(22)**	--	--	--
		3.0	--	--	--	--	**(62)**	--	--	--

TABLE 3
Summary of Soil Sample Chemical Analytical Results[1]
Total Metals
Custom Stamping Site - East Block
Tax Lots 7200 and 7300
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	Sample Depth (feet BGS)	Total Metals by EPA Method 6010B/7471A (mg/kg)							
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
TP-12	07/22/16	1.0	--	--	--	--	**(1,003)**	--	--	--
		2.0	--	--	--	--	**(63)**	--	--	--
		3.0	--	--	--	--	**(56)**	--	--	--
TP-13	07/22/16	1.0	--	--	--	--	(ND<13)	--	--	--
		2.0	--	--	--	--	(ND<13)	--	--	--
		3.0	--	--	--	--	(ND<13)	--	--	--
TP-14	07/22/16	1.0	**6.2**	**136**	ND<0.599	**15.6**	**(159)/232 Split Sample 82.9**	0.0990	ND<2.40	ND<1.20
		2.0	--	--	--	--	**(29)**	--	--	--
		3.0	--	--	--	--	**(22)**	--	--	--
TP-15-2	07/22/16	1.0	--	--	--	--	**(1,300)**	--	--	--
		2.0	**12.9**	**1,200**	**2.00**	**38.9**	**(1,063)/1,110 Split Sample 1,660**	**0.330**	ND<2.43	**1.82**
		3.0	--	--	--	--	**(25)**	--	--	--
DEQ Generic RBCs[2]										
Ingestion, Dermal Contact, and Inhalation										
Construction Worker			15	69,000	350	410	800	110	NE	1,800
Excavation Worker			420	>MAX	9,700	11,000	800	2,900	NE	49,000
DEQ CFSLs and Background Metals Concentrations for the Portland Basin (mg/kg)			8.8	790	0.63	76	79	0.23	0.71	0.82

Notes:
1. Chemical analysesperformed by ESC Lab Sciences of Mt. Juliet, Tennessee.
2. DEQ generic RBCs for Individual Chemicals, Revised November 1, 2015; for reference purposes only
Values in parenthesis reflect estimated total lead concentration based on XRF readings collected by PBS in July 2016. Refer to Appendix B. GeoDesign collected split samples from selected test pits for separate laboratory analysis as noted.
--: not analyzed
>Max: The constituent RBC for this pathway is calculated as greater than 1,000,000 mg/kg or 1,000,000 mg/L. Therefore, this substance is deemed not to pose risks in this scenario.
ND: not detected at concentrations above the laboratory RDL
Bolding indicates analyte detection.
Orange shading indicates value exceeding DEQ CFSL.
Green shading indicates value exceeding DEQ CFSL and DEQ generic RBC values for construction and/or excavation workers.

TABLE 4
Summary of Soil Sample Analytical Results[1]
PCBs
Custom Stamping Site - East Block
Tax Lots 7200 and 7300
Portland, Oregon

Sample I.D. (depth in feet BGS)	Sample Date	PCBs by EPA Method 8082 (mg/kg)						
		Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
Direct-Push Explorations (GeoDesign, April 2016)								
DP-12(1.5-2.5)	04/15/16	ND<0.0238	ND<0.0238	ND<0.0238	ND<0.0238	ND<0.0238	ND<0.0238	ND<0.0238
DP-13(1.0-2.0)	04/15/16	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228	ND<0.0228
DP-14(10.0-11.0)	04/15/16	ND<0.0233	ND<0.0233	ND<0.0233	ND<0.0233	ND<0.0233	ND<0.0233	ND<0.0233
Test Pit Explorations (PBS, July 2016)								
TP-1-1	07/26/16	ND<0.0204	ND<0.0204	ND<0.0204	ND<0.0204	ND<0.0204	ND<0.0204	ND<0.0204
TP-3-3	07/26/16	ND<0.0207	ND<0.0207	ND<0.0207	ND<0.0207	ND<0.0207	ND<0.0207	ND<0.0207
TP-6-1	07/26/16	ND<0.0202	ND<0.0202	ND<0.0202	ND<0.0202	ND<0.0202	ND<0.0202	ND<0.0202
DEQ Generic RBCs[2]								
Soil Ingestion, Dermal Contact, and Inhalation								
Construction Worker		5						
Excavation Worker		140						
DEQ CFSLs[3]		0.2						

Notes:
1. Chemical analyses performed by ESC Lab Sciences of Mt. Juliet, Tennessee.
2. DEQ generic RBCs for Individual Chemicals, Revised November 1, 2015; for reference purposes only
3. DEQ Soil CFCLs dated July 23, 2014
ND: not detected at concentrations above the laboratory RDL

TABLE 5
Summary of Groundwater Sample Chemical Analytical Results [1]
TPH and VOCs
Custom Stamping Site - East Block
Tax Lots 7200 and 7300
Portland,Oregon

Sample I.D.	Sample Date	Sample Depth (feet BGS)	Gasoline-Range Organics by Method NWTPH-Gx (µg/L)	Diesel- and Residual-Range Organics by Method NWTPH-Dx (µg/L)		VOCs [2] by EPA Method 8260B (µg/L)										
				Diesel	Residual	n-Butylbenzene	sec-Butylbenzene	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	Naphthalene	n-Propylbenzene	Trichloroethene	1,2,4-Trimethylbenzene	1,2,3-Trimethylbenzene	1,3,5-Trimethylbenzene
Direct-Push Explorations (GeoDesign, April 2016)																
DP-1	04/14/16	15-25	ND<100	**270**	**336**	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DP-10	04/15/16	13-20	ND<100	ND<100	ND<250	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DP-13	04/15/16	11-20	ND<100	ND<100	ND<250	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DP-14	04/15/16	12-20	**134**	**834**	**1,050**	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<5.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00	ND<1.00
DEQ Generic RBCs[3]																
Groundwater in Excavation																
Construction and Excavation Worker			14,000	>S	>S	NE	NE	18,000	4,500	51,000	500	NE	3,000	1,700	NE	15,000

Notes:
1. Chemical analyses performed by ESC Lab Sciences of Mt. Juliett, Tennessee.
2. Only the detected analytes are shown. Refer to laboratory report for full analyte listing.
3. DEQ generic RBCs for Individual Chemicals, Revised November 1, 2015; ror reference purposes only
ND: not detected at concentrations above the laboratory RDL
>S: This groundwater RBC exceeds the solubility limit(s). Groundwater concentrations in excess of S indicated that free product may be present.
Bolding indicates analyte detection.

TABLE 6
Summary of Groundwater Sample Chemical Analytical Results[1]
Total Metals
Custom Stamping Site - East Block
Tax Lots 7200 and 7300
Portland, Oregon

Sample I.D.	Sample Date	Sample Depth (feet BGS)	Total Metals by EPA Method 6010B (µg/L)							
			Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
April 2016 Explorations (GeoDesign)										
DP-14	04/15/16	12-20	ND<10.0	**789**	**3.85**	**14.1**	**1230**	ND<0.20	ND<10.0	ND<5.00
DEQ Generic RBCs[2]										
Groundwater in Excavation										
Construction and Excavation Worker			6,300	>S	130,000	>S	>S	>S	NE	1,100,000

Notes:
1. Chemical analyses performed by ESC Lab Sciences of Mt. Juliet, Tennessee.
2. DEQ generic RBCs for Individual Chemicals dated June 7, 2012; for reference purposes only
ND: not detected at concentrations above the laboratory RDL
>S: This groundwater RBC exceeds the solubility limit(s). Groundwater concentrations in excess of S indicated that free product may be present.
Bolding indicates analyte detection

APPENDIX A

APPENDIX A

SITE-SPECIFIC HEALTH AND SAFETY PLAN

INTRODUCTION

Each contractor conducting work at the project site is individually responsible for the health and safety of their employees. This includes the implementation of any training requirements, HSPs, monitoring, and any other specific requirements for the type of work being completed by the contractor. This HSP must be provided to employees who will be working at the project site and can be used to assist the contractor in preparation of their employee hazard communication and health and safety program for the project site. This HSP is intended solely for the use of GeoDesign employees while providing on-site observation, monitoring, and sampling and is provided in this document for reference only and is not a replacement for each contractor's specific HSP. Contractors may adopt this HSP with the proper modifications to address the type of work they will be completing at the project site.

This HSP establishes the policies and procedure that will help minimize risk to on-site workers, visitors, and the public. The procedures and guidelines contained herein are based on the current available information at the time of the HSP preparation. Specific requirements will be revised when new information is received or conditions change.

PROJECT SITE BACKGROUND

A summary the environmental history and background of the project site is presented in Section 2.0 of the CMMP.

PROJECT SITE LOCATION

Address: 1001 and 1030 SE Madison Street
Tax Lots 7200 and 7300
Portland, Oregon
Multnomah County

Description: The project site is currently inactive, serving as a support area for adjacent redevelopment activity associated with the former Custom Stamping blocks site. Prior activity included automobile salvage, storage, and parking.

Project Developer: Block 213, LLC

SCOPE OF WORK

Objectives: Observe soil excavation activities, field screen soils, collect soil samples as necessary, oversee waste management activities as needed, and photo-document the excavation activities.

Duration of Work: Approximately two to three months

ON-SITE ORGANIZATION AND COORDINATION

The following personnel are designated to carry out the stated job functions on site. (Note: one person may carry out more than one job function.)

Project Manager:	Erik Hedberg
SSO:	To be determined
Site Supervisor:	To be determined
Field Personnel:	To be determined
General Contractor:	Fortis Construction
Subcontractor(s):	Goodfellow Brothers
Client Contact:	Stacy Blanton, Lauren Golden Jones, Chris Nelson, or Jeff Sacket

The Project Manager has overall responsibility for all activities on site, including implementation of the site safety plan. The Project Manager may delegate this function to the SSO.

The SSO is responsible for helping to ensure that work crews comply with all site safety and health requirements.

All other site personnel are responsible for understanding and complying with all site safety and health requirements.

PROJECT SITE CONTROL

The contaminated areas will be identified by stakes, ground paint, or flagging. Excavations deeper than 4 feet BGS should be properly shored and fenced to prevent excavation collapse and falls into the excavation.

EMPLOYEE TRAINING

All site personnel working in contaminated portions of the project site and that might come in contact with contaminated media or vapors will have received 24 or 40 hours of OSHA training on safe work practices for hazardous waste sites. In addition, personnel are required to receive eight hours of OSHA refresher training annually. Managers and supervisors are required to receive eight hours of OSHA training for safe management of hazardous waste site operations. All training will comply with 29 CFR 1910.120. Site-specific training will be held at the beginning of the project. Daily site safety meetings will be held on site and a record kept.

MEDICAL SURVEILLANCE

Pre-employment and periodic medical examinations are required for personnel working at hazardous waste sites. The medical examination must be completed within the prior 12-month period. A statement deeming the worker fit-for-duty is required from a licensed physician. Medical records are accessible by workers.

HAZARD/RISK ASSESSMENT

This section discusses chemical, physical, and environmental hazards to workers on the project site. The table below lists major hazards associated with these tasks and methods to mitigate the hazards.

Daily tailgate safety meetings will be held at the start of each workday to discuss potential chemical, physical, and environmental hazards and preventative safety measures. Attendance will be mandatory for all employees and a Tailgate Safety Meeting Form (Attachment A-1) will be completed. Task hazard analyses have been developed for each major field activity/work phase and are presented in the table below. The following sections describe the specific hazards anticipated in more detail and the control measures to be implemented to minimize or eliminate each hazard. This information will be used to augment daily safety meetings intended to heighten safety and hazard awareness on the job.

HAZARDS ASSOCIATED WITH TASKS

Due to the limited area of the construction site, the presence of excavation equipment, and contaminated soil, the main hazards are struck-by, inhalation, and contact with contaminated soil. Other hazards are analyzed as detailed in the table below.

Hazard Sources and Mitigation During Field Activities and Hazard Project Tasks Mitigation Methods

Hazard	Project Tasks	Mitigation Methods
Slip/trip/fall	All tasks	Maintain good housekeeping. Limit work area with boundary marking tape and signs. Slip/trip/fall hazards will be addressed through an ongoing proactive housekeeping program that eliminates elements in the work area that have potential for causing loss of footing.
Struck-by	All tasks	Maintain a safe distance from any heavy equipment. Workers should not stand within the swing radius or reach of heavy equipment.
Explosion/fire	All tasks	Smoking is not permitted in the work zones. Any free-phase petroleum or solvent products will be stored in appropriate containers. Signs indicating flammable liquids should be posted where appropriate. Appropriate fire extinguishers will be available to site personnel during field activities. Open-flame ignition sources will be restricted from the work area (smoking, etc.).

Hazard Sources and Mitigation During Field Activities and Hazard Project Tasks Mitigation Methods (continued)

Hazard	Project Tasks	Mitigation Methods
Inhalation, contact and ingestion of organic vapors	Excavation, cutting/filling activities, excavation sampling, and monitoring	Level D PPE is typically adequate. If conditions require upgrading to air-purifying respirations (Level C PPE), an addendum to this HSP will be submitted for review and approval. Remain upwind whenever possible. Ventilate enclosed spaces using fans as needed. Wear disposable gloves and safety glasses with side shields when handling soil and sampling waters. Avoid smoking at all times during the mass excavation activities. Chewing tobacco and eating should also be avoided during excavation work to prevent ingestion of site contaminants.
Contact with TPH-, VOC-, metals-, and/or PAH-contaminated media	Excavation, cutting/filling activities, excavation sampling, and monitoring	Level D PPE is typically adequate. Wear appropriate coveralls, gloves, and protective eyewear. No eating, smoking, or drinking on site. Suppress dust.
Weather extremes	All tasks	Use dress consistent with weather conditions. Implement worker rotation and rest period schedules. Adjust work day to avoid exposure. Maintain proper hydration.

HAZARD ANALYSIS

Chemical(s)	TPH, VOCs, metals, and PAHs
Heavy Equipment	Yes
Confined Space	No
Flammability	NA
Reactivity	NA
Heat	Occasional warm periods
Cold	Occasional cold periods
Drums	Yes
Terrain	Commercial development, excavation with potentially steep sidewalls
Oxygen Deficient	NA
Electrical	NA
Corrosivity	NA
Noise	Construction equipment and truck traffic noise will be present during the entire work period
Altitude	Approximately 40 feet above MSL

Radiation	NA		
Wildlife	NA		
Ergonomic	NA	Drilling	NA
Excavation	Yes	Biological Agent	NA
Explosives	NA		
Vehicles	Cars, pickups, construction vehicles		

See Tables 1 through 6 of the CMMP for specific chemical compound concentrations for detailed analysis of hazards with chemicals, engineering controls, safe work practices, and protective equipment to minimize risks to workers.

AIR MONITORING

PELs are OSHA PELs for airborne concentrations of toxic substances measured as an eight-hour TWA. The OSHA PELs are the recognized levels to which the site monitoring will adhere. STELs are OSHA short-term limits measured as a 15-minute TWA. OSHA requires that controls be implemented when employee exposure exceeds these limits. The TLVs are health and safety guidelines recommended by the American Conference of Governmental Industrial Hygienists. If contaminant levels exceed 50 percent of the TLV or PEL and persist for greater than 10 minutes, engineering and/or administrative control measures will be implemented.

Background air monitoring will be conducted at the project site by the environmental representative on an hourly basis or as needed based on field conditions while the environmental representative is on site. Air monitoring will be conducted using a hand-held PID calibrated with a 100 ppm mixture of isobutylene. The action levels will be based on the total sum of all VOCs with an ionization potential range within the PID bulb's readable range. Based on project site history, air monitoring action levels will be based on information obtained from the National Institute for Occupational Safety and Health for gasoline.

The TWA maximum exposure for an 8-hour day for a 40-hour week is 300 ppm. The STEL for a maximum of 15 minutes is 500 ppm. These levels are not anticipated on site; however, if the breathing area within a particular work area exceeds 150 ppm, monitoring frequency will be increased to five-minute intervals. If concentration of 150 ppm or greater persist for more than 10 minutes, workers should exit the excavation and work area and take measures to ventilate the excavation or upgrade PPE to half-face respirators. Only workers trained and certified to wear respirators shall be permitted to wear them.

PERSONAL PROTECTIVE EQUIPMENT

Based on the evaluation of potential hazards, the following levels of personal protection have been designated for the applicable work areas or tasks:

Location	Job Function	Levels of Protection
Exclusion Zone	**All Tasks**	**D**
		A B C D Other
		A B C D Other
		A B C D Other
Contamination Reduction Zone	**All Tasks**	**D**
		A B C D Other
		A B C D Other

Specific protective equipment for each level of protection is as follows:

Level A

Level B

Level C

Level D Hard hat, safety vest, steel-toe boots, eye protection, and ear protection if construction equipment is operating. Consider use of dust masks if dusty conditions are present

Other

DOWNGRADING CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL NOT BE MADE WITHOUT THE APPROVAL OF THE SSO.

DECONTAMINATION PROCEDURE

Personnel and equipment leaving the Exclusion Zone shall be thoroughly decontaminated. The standard level **NA** decontamination protocol shall be used with the following decontamination stations:

(1) (2)
(3) (4)
(5) (6)
(7) (8)
(9) (10)

The decontamination station will be located immediately adjacent to the Exclusion Zone. The decontamination solution will be **NA**.

Emergency decontamination will include the following stations: **Soap and Water – Rinse Water**

Equipment decontamination will be as follows:_____

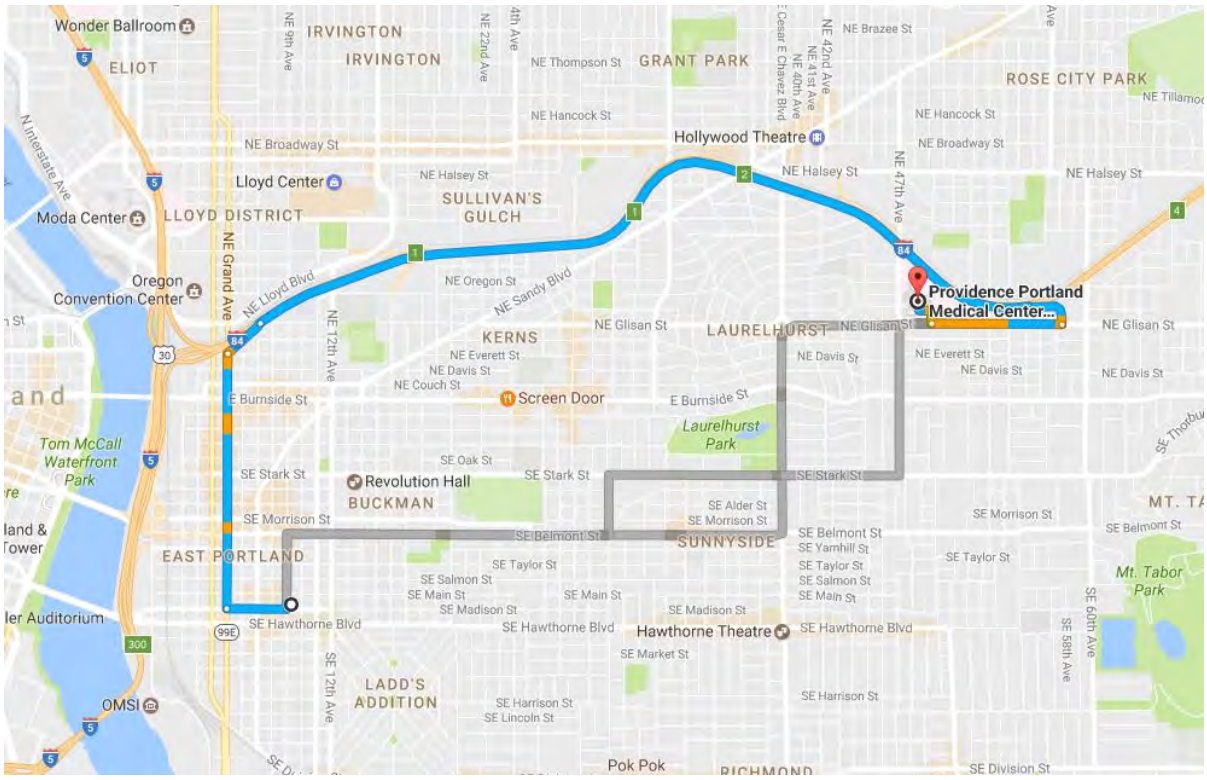
_____

EMERGENCIES

Closest Hospital	**Portland Providence Medical Center**	
Address	**4805 NE Glisan Street; Portland, OR**	Phone **503-230-6548**
Distance	**4.7 miles – see directions and map below**	
Ambulance		Phone **911**
Police		Phone **911**
Fire		Phone **911**
GeoDesign, Inc.	Office Phone: **503-968-8787**	
Erik Hedberg	Cell Phone: **503-577-5232**	

Emergency Equipment is available on-site at the following locations:

First Aid Kit	**In Vehicle**
Eye Wash	**In Vehicle**
Fire Extinguisher	**On Site**
Other	



Directions to Portland Providence Medical Center from 1340 SE 9th Avenue

Step	Directions	Distance
1	Head south on SE 9th Avenue toward SE Madison Street	85 feet
2	Turn right at the first cross street onto SE Madison Street	0.2 mile
3	Turn right onto SE Grand Avenue	0.8 mile
4	Turn right onto the Interstate 84 E/U.S. 30 E ramp to Portland Airport/The Dalles	0.1 mile
5	Merge onto I-84 E/U.S. 30 E	2.8 miles
6	Take Exit 3 toward NE 58th Avenue	0.2 mile
7	Turn right onto NE Glisan Street	0.4 mile
8	Turn right onto NE 49th Avenue	203 feet
9	Turn left to 4805 NE Glisan Street	250 feet

ATTACHMENT A-1

CHEMICAL HAZARDS

Name	Concentration	TLV/PEL	Routes of Exposure	Signs of Exposure	First Aid
Petroleum Hydrocarbons, VOCs, Metals and PAHs	See Tables 1 through 6	300	Inhalation Skin absorption	Rash Dizziness	Wash with soap and water

If additional chemical hazards are identified during site work, document the conditions and contact the Project Manager.

ATTACHMENT A-2

HAZARD ANALYSIS

Hazard	Prevention	Treatment
Traffic to and from the project site	Defensive driving	Call 911 and insurance company
Hot weather	Wear sunscreen, drink water	Re-hydrate
Slips, trips, falls, cuts	Caution	Antibiotic ointment
Construction equipment	Eye contact with operator, personal protection equipment, caution	Call 911
Soil sampling	Use protective PPE	Call 911 or on-site assistance

If additional physical hazards are identified during site work, document the conditions and contact the Project Manager.

ATTACHMENT A-3

SITE SAFETY PLAN ACKNOWLEDGMENT

All site personnel have read the above plan and are familiar with its provisions.

Name	Company	Date
Site Safety Officer		
Project Manager		
Site Personnel		

Visitors

APPENDIX B

PBS | Engineering + Environmental

TRANSMITTAL

DATE: August 2, 2016

TO: David Stoudt
Via email only

FROM: Dulcy Berri

PBS PROJECT NO: 22488.003

RE: **Results of Shallow Soil Testing for Lead**
SE 9th Parking Lot

Hi Dave –

Attached is a site plan indicating locations of 15 test pits completed on July 22 and 26, 2016, in the parking lot on SE 9th, Portland, Oregon. Test pits were completed as agreed, to a depth of 3 feet below ground surface (bgs). Soil was tested for lead at 1-foot intervals using an Innov-X XRF (Alpha Series). The limit of detection was around 13 mg/Kg. The site plan includes the locations of GeoDesign's borings DP-12 and DP-13 in the northwest quarter of the lot; at those locations, soil tests for lead at 1.0-2.5 feet bgs were 1,780 and 3,550 mg/kg, respectively.

The attached Test Pit Log indicates the test pit numbers and the three XRF readings collected at each depth. A total of five locations were selected to retain soil samples for laboratory analysis for lead. The right-hand column includes that depth and result of those laboratory analyses. Some variability is noted and is considered a result of the inhomogeneity of the soil strata.

The data set of 47 points averages 321 mg/kg with a 90% UCL of 437 mg/Kg. In only 2 discrete locations did lead levels exceed occupational, construction worker and excavation worker limits of 800 mg/kg. Where lead is present, it appears near or above the 400 mg/Kg limit for residential occupancy in the first 1 to 2 feet of soil across the site then attenuates quickly. That horizon was typically noted to be fill including some buried brick, metal and glass debris.

With only a few exceptions, soil removal to 2 feet bgs will achieve the 400 mg/kg or less criteria, if residential is the planned future occupancy. The Oregon DEQ has not established a separate "urban residential" threshold which is the likely future design, where the ground floor is commercial and upper levels are residential and significantly distances the residential occupants from the soil subsurface. Some criteria between 400 and 800 mg/kg would be appropriate for this type of occupancy, but has not been established to-date.

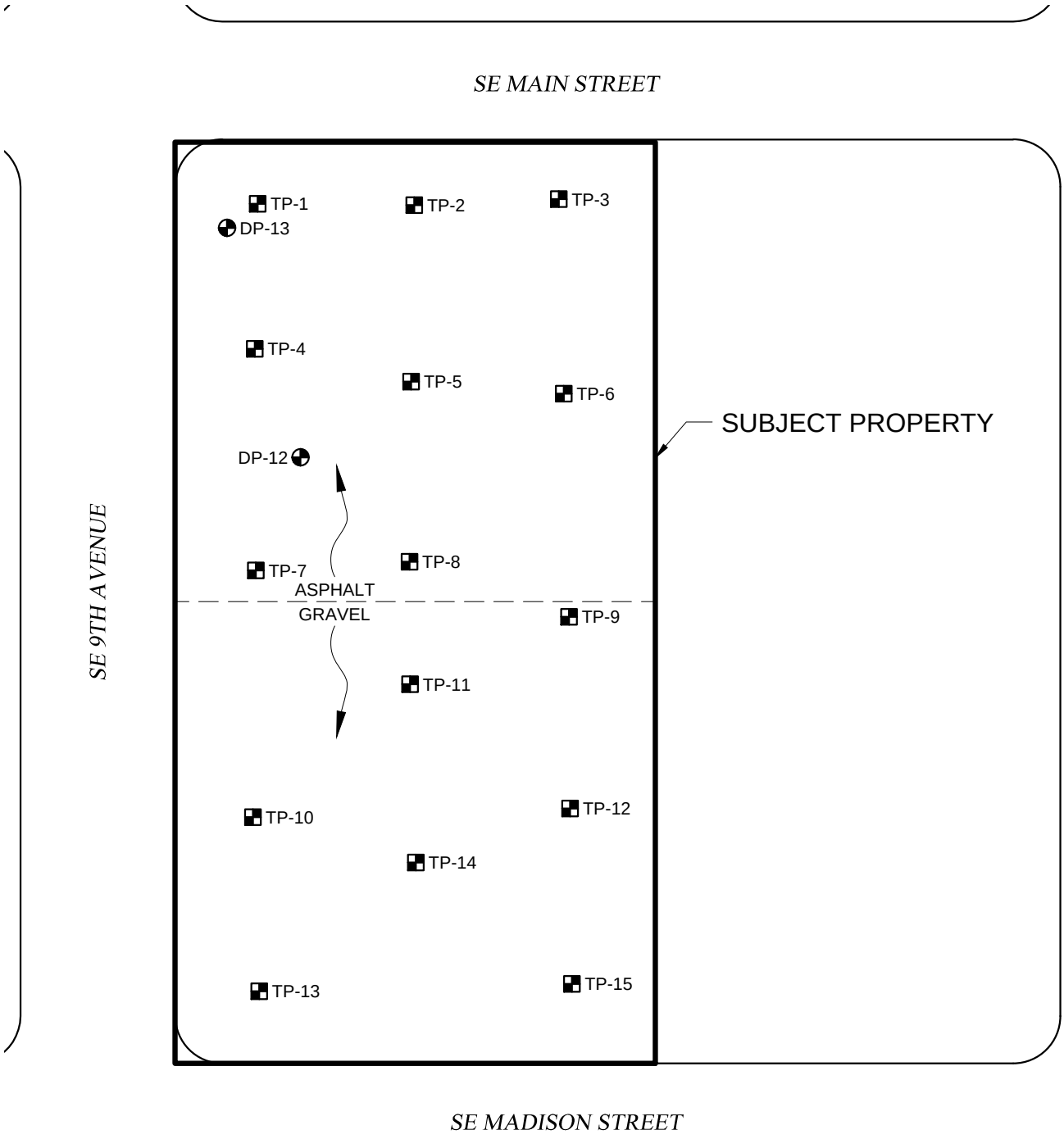
4412 SW Corbett Avenue, Portland, OR 97239
503.248.1939 Main
866.727.0140 Fax
888.248.1939 Toll-Free
www.pbsenv.com

Custom Stamp & Mfg. Co.
Test Pitting in parking lot at SE 9th and Main - Page 1 of 2
8/1/2016

	XRF readings	Sample?	
TP-1	1' - 326 2' - 427 3' - 117	**TP-1-1**	1,180 mg/kg
TP-2	1' - 451 2' - 294 3' -154	**no**	
TP-3	1' - 497 2' - 271 3' - 645	**TP-3-3**	607 mg/kg
TP-4	1'- <13 2' - 29 3' - 92	**no**	
TP-5	1' - 383 2' - 70 3' - 30	**no**	
TP-6	1' - 435 2' - 41 3' - 17	**TP-6-1**	391 mg/kg
TP-7	1' - 295 2' - <13 3' - 15	**no**	
TP-8	1' - 239 2' - 28 3' - 45	**no**	
TP-9	1' - 344 2' - 141 3' - 91	**no**	

Custom Stamp & Mfg. Co.
Test Pitting in parking lot at SE 9th and Main
8/1/2016

	XRF readings	**Sample?**	
TP-10	1' - <13	no	
	2' - 17		
	3' - <14		
TP-11	1' - 437	no	
	2' - 22		
	3' - 62		
TP-12	1' - 1,003	no	
	2' - 63		
	3' - 56		
TP-13	1' - <13	no	
	2' - <13		
	3' - <13		
TP-14	1' - 159	**TP-14-1**	232 mg/kg
	2' - 29		
	3' - 22		
TP-15	1' - 1,300		
	2' - 1,063	**TP-15-2**	1,110 mg/kg
	3' - 25	**rqstd TCLP lead 7/29/16**	



LEGEND

TP-1 PBS TEST PIT NUMBER AND LOCATION

DP-1 GEO DESIGN BORING NUMBER AND LOCATION

0' 30' 60' 120'

SCALE: 1" = 60'

PREPARED FOR: CUSTOM STAMP AND MANUFACTURING CO.

PBS

PROJECT # 22484.003

DATE JULY 2016

SITE PLAN

SE 9TH STREET
PORTLAND, OREGON

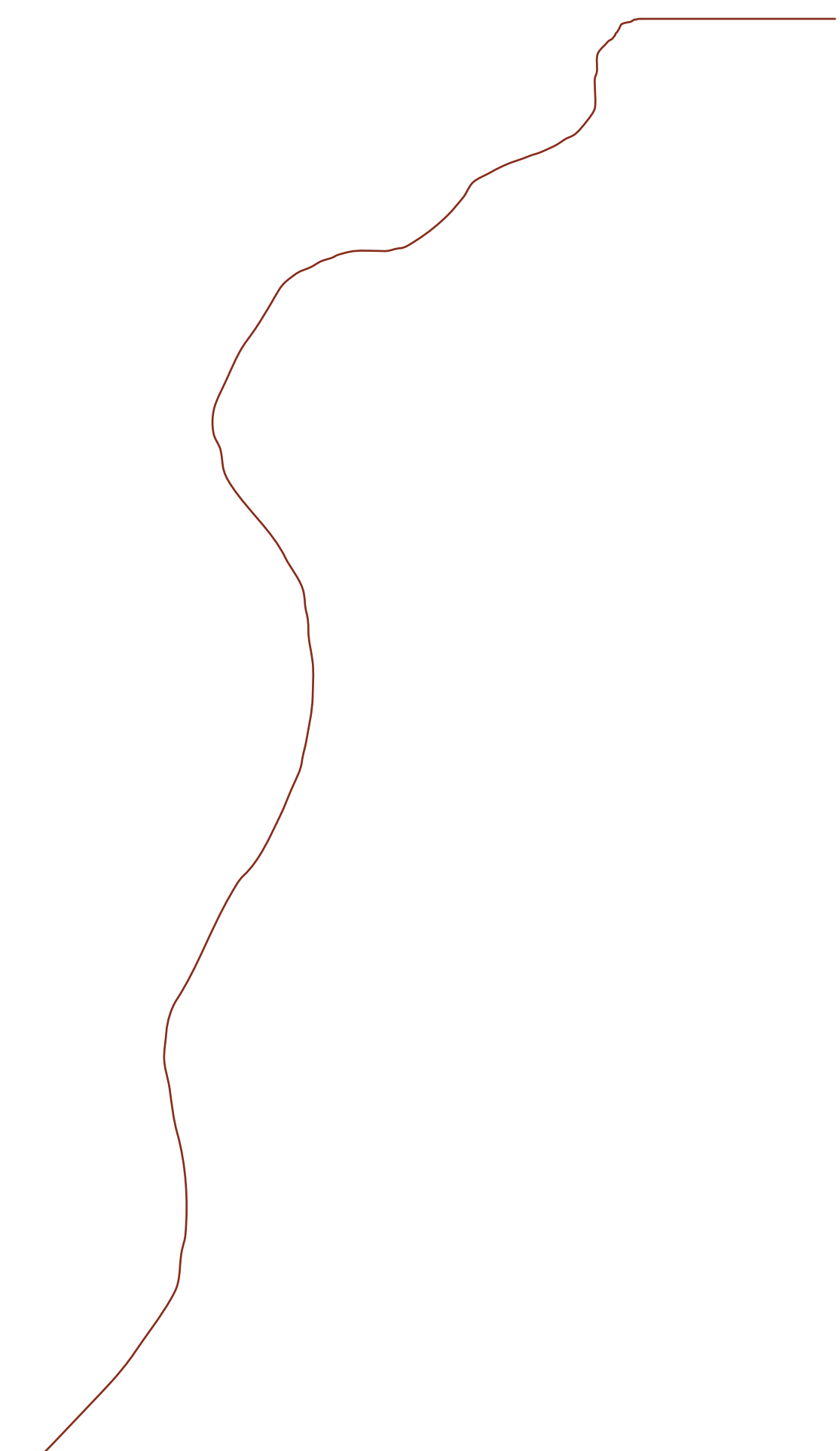
FIGURE 2

L:\Projects\22000\22400-22499\22484 CustomStampingOversight\22484.003 SE 9th Soil Testing\DWG\22484.003_FIG 1-2.dwg Aug 01, 2016 01:30pm jimb

ACRONYMS AND ABBREVIATIONS

ACRONYMS AND ABBREVIATIONS

BGS	below ground surface
CFR	Code of Federal Regulations
CFSL	Clean Fill Screening Level
CMMP	Contaminated Media Management Plan
DEQ	Oregon Department of Environmental Quality
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
ESCP	Erosion and Sediment Control Plan
HCP	Hazard Communication Plan
HSP	Health and Safety Plan
I.D.	identification
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MSL	mean sea level
NA	not applicable
NE	not established
NPDES	National Pollutant Discharge Elimination System
OAR	Oregon Administrative Rule
OSHA	Occupational Safety and Health Administration
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PEL	permissible exposure limit
PID	photoionization detector
PPE	personal protective equipment
ppm	parts per million
RBC	risk-based concentration
RCRA	Resource Conservation and Recovery Act
RDL	reported detection limit
SSO	site safety officer
STEL	short-term exposure limit
TCLP	Toxicity Characteristic Leaching Procedure
TPH	total petroleum hydrocarbon
TLV	threshold limit value
TWA	time-weighted average
UST	underground storage tank
µg/L	micrograms per liter
VCP	Voluntary Cleanup Program
VOC	volatile organic compound
XRF	X-Ray Fluorescence



APPENDIX B

APPENDIX B

CHEMICAL ANALYTICAL PROGRAM

GENERAL

Chain-of-custody procedures were followed during handling and transport of the samples to the analytical laboratory. The laboratory holds the samples in cold storage pending extraction and/or analysis. The analytical results, analytical methods reference, and laboratory QC records are presented in this appendix. The analytical results also are summarized in the tables of this report.

REVIEW OF ANALYTICAL DATA

The analytical laboratories maintain an internal quality assurance program consisting of a combination of the following:

Blanks: Blanks are laboratory-prepared samples that are free of contaminants. The blanks are carried through the analysis procedure along with the field samples to document that contaminants were not introduced to the samples during sample handling and analysis.

Surrogate Recoveries: Surrogates are organic compounds that are similar in nature to the analytes of concern but are not normally found in nature. The surrogates are added to QC and field samples prior to analysis. The percent recovery of the surrogate is calculated to demonstrate acceptable method performance.

Duplicates: Duplicates are obtained by splitting a sample into two parts. The two separate parts are carried through the analyses. The analytical results are then compared by calculating the RPD between the samples.

MS/MSD Recoveries: An MS sample is a sample that has been split into a second portion. The MSD is obtained by further splitting the MS sample. A known concentration of the analyte of interest is added to the MS and MSD samples. The analytical results for both samples are then compared for RPD and percent recovery to demonstrate acceptable method performance.

BS/BSD Recoveries: BS and BSD samples are obtained and analyzed in the same procedure as the MS/MSD samples; however, the laboratory blank sample is used to obtain the BS/BSD samples. The percent recovery and RPD of the known concentration of analyte of interest added to the BS/BSD sample is calculated after chemical analyses to demonstrate acceptable method performance.

Detection Limits: The detection limits that exceed regulatory screening levels do not appear to hinder our ability to adequately characterize sediment at the subject property.

SUMMARY OF ANALYTICAL DATA REVIEW

We reviewed the attached analytical data report for data quality exceptions and deviations from acceptable method performance criteria. Based on our review of the analytical report, the analytical data appear acceptable for their intended use.

Apex Laboratories, LLC

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Friday, July 6, 2018

Erik Hedberg
GeoDesign, Inc.
9450 SW Commerce Circle
Wilsonville, OR 97070

RE: A8G0088 - Custom Block East - Capstone-12

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A8G0088, which was received by the laboratory on 7/5/2018 at 8:13:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

GeoDesign, Inc.	Project: **Custom Block East**	
9450 SW Commerce Circle	Project Number: **Capstone-12**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Erik Hedberg**	**A8G0088 - 07 06 18 1740**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Comp-1	A8G0088-01	Soil	07/03/18 15:00	07/05/18 08:13
Comp-2	A8G0088-02	Soil	07/03/18 15:20	07/05/18 08:13
Comp-3	A8G0088-03	Soil	07/03/18 15:40	07/05/18 08:13
Comp-4	A8G0088-04	Soil	07/03/18 16:00	07/05/18 08:13
Comp-5	A8G0088-05	Soil	07/03/18 16:20	07/05/18 08:13

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

GeoDesign, Inc.	Project: **Custom Block East**	
9450 SW Commerce Circle	Project Number: **Capstone-12**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Erik Hedberg**	**A8G0088 - 07 06 18 1740**

ANALYTICAL SAMPLE RESULTS

TCLP Metals by EPA 6020 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Comp-1 (A8G0088-01)			**Matrix: Soil**					
Batch: 8070429								
Lead	ND	---	0.0500	mg/L	5	07/06/18	1311/6020A	
Comp-2 (A8G0088-02)			**Matrix: Soil**					
Batch: 8070429								
Lead	ND	---	0.0500	mg/L	5	07/06/18	1311/6020A	
Comp-3 (A8G0088-03)			**Matrix: Soil**					
Batch: 8070429								
Lead	ND	---	0.0500	mg/L	5	07/06/18	1311/6020A	
Comp-4 (A8G0088-04)			**Matrix: Soil**					
Batch: 8070429								
Lead	ND	---	0.0500	mg/L	5	07/06/18	1311/6020A	
Comp-5 (A8G0088-05)			**Matrix: Soil**					
Batch: 8070429								
Lead	**0.222**	---	0.0500	mg/L	5	07/06/18	1311/6020A	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

GeoDesign, Inc.	Project: **Custom Block East**	
9450 SW Commerce Circle	Project Number: **Capstone-12**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Erik Hedberg**	**A8G0088 - 07 06 18 1740**

QUALITY CONTROL (QC) SAMPLE RESULTS

TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 8070429 - EPA 1311/3015							**Soil**					
Blank (8070429-BLK1)			Prepared: 07/06/18 09:03		Analyzed: 07/06/18 12:59							
1311/6020A												
Lead	ND	---	0.0500	mg/L	5	---	---	---	---	---	---	TCLP
LCS (8070429-BS1)			Prepared: 07/06/18 09:03		Analyzed: 07/06/18 13:03							
1311/6020A												
Lead	2.52	---	0.0500	mg/L	5	2.50	---	101	80-120%	---	---	TCLP
Matrix Spike (8070429-MS2)			Prepared: 07/06/18 09:03		Analyzed: 07/06/18 14:20							
QC Source Sample: Non-SDG (A8G0033-01RE1)												
1311/6020A												
Lead	37.2	---	0.500	mg/L	50	2.50	35.4	74	50-150%	---	---	Q-16

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

GeoDesign, Inc.	Project: **Custom Block East**	
9450 SW Commerce Circle	Project Number: **Capstone-12**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Erik Hedberg**	**A8G0088 - 07 06 18 1740**

SAMPLE PREPARATION INFORMATION

TCLP Metals by EPA 6020 (ICPMS)

Prep: EPA 1311/3015

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 8070429							
A8G0088-01	Soil	1311/6020A	07/03/18 15:00	07/06/18 09:03	5mL/50mL	5mL/50mL	1.00
A8G0088-02	Soil	1311/6020A	07/03/18 15:20	07/06/18 09:03	5mL/50mL	5mL/50mL	1.00
A8G0088-03	Soil	1311/6020A	07/03/18 15:40	07/06/18 09:03	5mL/50mL	5mL/50mL	1.00
A8G0088-04	Soil	1311/6020A	07/03/18 16:00	07/06/18 09:03	5mL/50mL	5mL/50mL	1.00
A8G0088-05	Soil	1311/6020A	07/03/18 16:20	07/06/18 09:03	5mL/50mL	5mL/50mL	1.00

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

GeoDesign, Inc.	Project: **Custom Block East**	
9450 SW Commerce Circle	Project Number: **Capstone-12**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Erik Hedberg**	**A8G0088 - 07 06 18 1740**

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

Q-16	Reanalysis of an original Batch QC sample.
TCLP	This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 8070384.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

GeoDesign, Inc.	Project: **Custom Block East**	
9450 SW Commerce Circle	Project Number: **Capstone-12**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Erik Hedberg**	**A8G0088 - 07 06 18 1740**

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported

RPD Relative Percent Difference

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

GeoDesign, Inc.	Project: **Custom Block East**	
9450 SW Commerce Circle	Project Number: **Capstone-12**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Erik Hedberg**	**A8G0088 - 07 06 18 1740**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the blank results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories, LLC

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

GeoDesign, Inc.	Project: **Custom Block East**	
9450 SW Commerce Circle	Project Number: **Capstone-12**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Erik Hedberg**	**A8G0088 - 07 06 18 1740**

LABORATORY ACCREDITATION INFORMATION

TNI Certification ID: OR100062 (Primary Accreditation) - EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Cert?

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

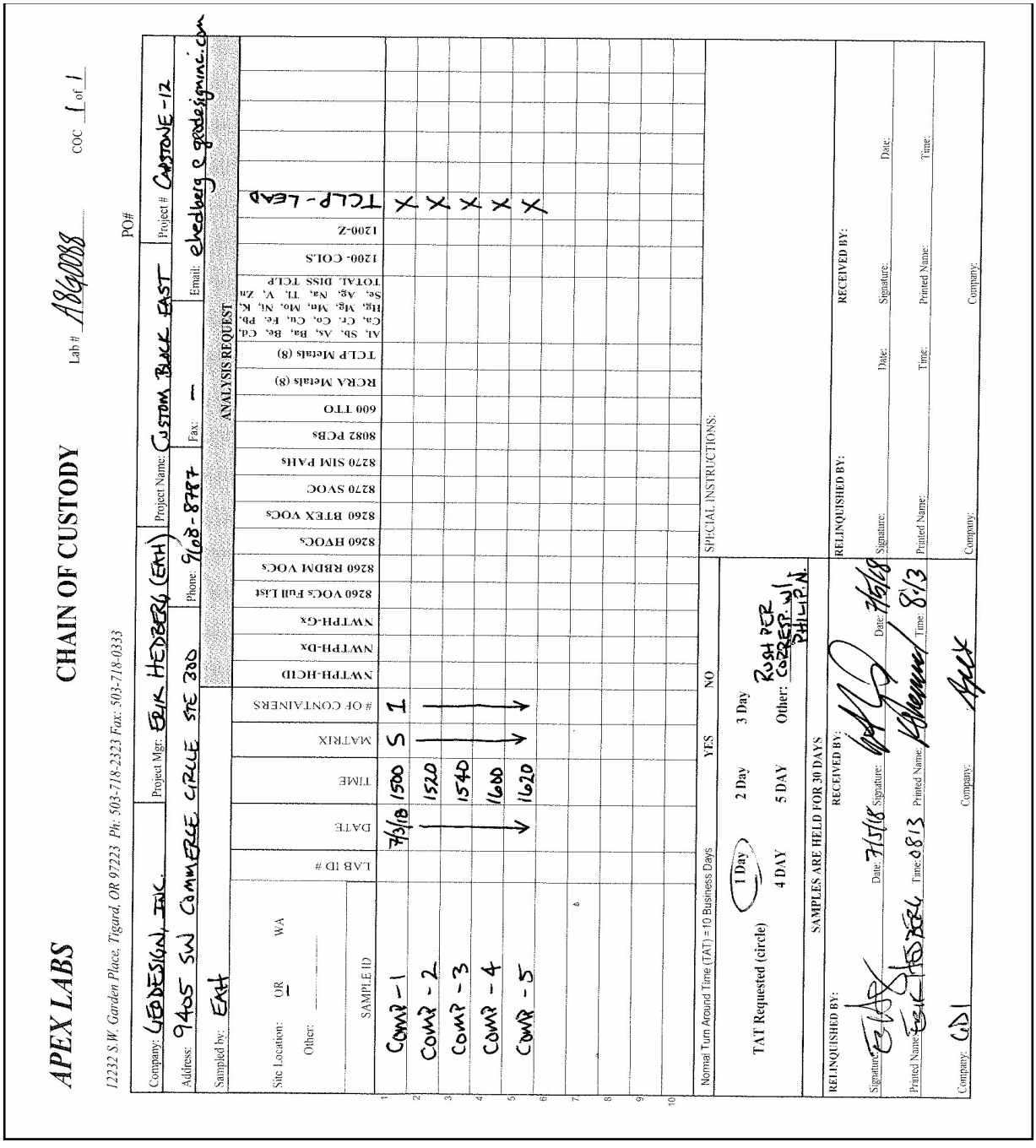
Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

GeoDesign, Inc.	Project: **Custom Block East**	
9450 SW Commerce Circle	Project Number: **Capstone-12**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Erik Hedberg**	**A8G0088 - 07 06 18 1740**



APEX LABS

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

CHAIN OF CUSTODY

Lab # A8G0088 COC 1 of 1

PO#

Company: GeoDesign, Inc. Project Mgr: Erik Hedberg (EMH) Project Name: Custom Block East Project # Capstone-12

Address: 9405 SW Commerce Circle Ste 200 Phone: 908-8787 Fax: — Email: ehedberg@geodesigninc.com

Sampled by: EMH

Site Location: OR WA Other: _____

ANALYSIS REQUEST

	SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 VOCs Full List	8260 RBDM VOCs	8260 HVOCs	8260 BTEX VOCs	8270 SVOC	8270 SIM PAHs	8082 PCBs	600 TTO	RCRA Metals (8)	TCLP Metals (8)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn, TOTAL, DISS TCLP	1200-COLS	1200-Z	TCLP-LEAD
1	Comp-1		7/3/18	1500	S	1																X
2	Comp-2			1520																		X
3	Comp-3			1540																		X
4	Comp-4			1600																		X
5	Comp-5			1620																		X
6																						
7																						
8																						
9																						
10																						

Normal Turn Around Time (TAT) = 10 Business Days YES NO

SPECIAL INSTRUCTIONS:

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: Rush per Cozzetti w/ PHILIP N.

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY: Signature: Date: 7/5/18 Printed Name: Time: 0813 Company: GD

RECEIVED BY: Signature: Date: 7/5/18 Printed Name: Time: 8:13 Company: Apex

RELINQUISHED BY: Signature: Date: 7/5/18 Printed Name: Time: Company:

RECEIVED BY: Signature: Date: Printed Name: Time: Company:

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

12232 S.W. Garden Place
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

GeoDesign, Inc.	Project: **Custom Block East**	
9450 SW Commerce Circle	Project Number: **Capstone-12**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Erik Hedberg**	**A8G0088 - 07 06 18 1740**

APEX LABS COOLER RECEIPT FORM

Client: Geodesign Element WO#: A8 G0088

Project/Project #: Custom Block East / Capstone -12

Delivery info:

Date/Time Received: 7/6/18 @ 8:13 By: MS

Delivered by: Apex____Client X ESS____FedEx____UPS____Swift___Senvoy ___SDS___Other_____

Cooler Inspection Inspected by: MS : 7/6/18 @ 8:15

Chain of Custody Included? Yes Y No ___ Custody Seals? Yes_____ No X

Signed/Dated by Client? Yes Y No ___

Signed/Dated by Apex? Yes ___ No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (deg. C)	5.5						
Received on Ice? (Y/N)							
Temp. Blanks? (Y/N)							
Ice Type: (Gel/Real/Other)							
Condition:	good						

Cooler out of temp? (Y/N) Possible reason why:

If some coolers are in temp and some out, were green dot applied to out of temperature samples? Yes/No/NA

Samples Inspection: Inspected by: MS : 7/6/18 @ 8:15

All Samples Intact? Yes X No ___ Comments:

Bottle Labels/COCs agree? Yes X No ___ Comments:

Containers/Volumes Received Appropriate for Analysis? Yes X No ___ Comments:

Do VOA Vials have Visible Headspace? Yes ___ No ___ NA X

Comments

Water Samples: pH Checked and Appropriate (except VOAs): Yes___No___NA X

Comments:

Additional Information:

Labeled by: MS Witness: MS Cooler Inspected by: MS See Project Contact Form: Y

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

APPENDIX C

APPENDIX C

WASTE DISPOSAL DOCUMENTATION

Hillsboro Landfill
3205 SE MINTER BRIDGE RD,
HILLSBORO, OR, 97123-5350
Ph: (503) 640-9427

Reprint Ticket # 1492215

Customer Name	WALSHCONSTCO	Carrier	RA ROTH RA ROTH TRKING
Ticket Date	07/18/2018	Vehicle#	15 Volume
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	RANDY
Hauling Ticket#		Check#	
Route		Billing#	0001177
StateWasteCode		Gen EPA ID	N/A
Manifest	NA	Grid	
Destination			
PO#	10TH AND MAIN		
Profile	127866OR(LF02: Non-Hazardous Contaminated Soil)		
Generator	1890681 OR-BLOCK 213		

	Time	Scale	Operator	Inbound			
In	07/18/18 07:08:57 AM	Inbound 1	jprime		Gross	61620	lb
Out	07/18/18 07:08:57 AM		jprime		Tare	30300	lb
					Net	31320	lb
					Tons	15.66	

Comments

Products	LD%	Qty	UOM	Rate	Fee	Amount	Origin
Cont Soil Pet-RGC-Tons-Cont. Soil	100	15.66	Tons	33.50		$524.61	MULT-IN

Total Fees

Driver's Signature _____ Total Ticket $524.61

Hillsboro Landfill
3205 SE MINTER BRIDGE RD,
HILLSBORO, OR, 97123-5350
Ph: (503) 640-9427

Reprint Ticket # 1492219

Customer Name	WALSHCONSTCO	Carrier	RA ROTH RA ROTH TRKING
Ticket Date	07/18/2018	Vehicle#	20-SOLO Volume
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	JERRY
Hauling Ticket#		Check#	
Route		Billing#	0001177
StateWasteCode		Gen EPA ID	N/A
Manifest	NA	Grid	
Destination			
PO#	10TH AND MAIN		
Profile	127866OR(LF02: Non-Hazardous Contaminated Soil)		
Generator	1890681 OR-BLOCK 213		

	Time	Scale	Operator	Inbound			
In	07/18/18 07:12:14 AM	Inbound 1	jprime		Gross	62140	lb
Out	07/18/18 07:12:14 AM		jprime		Tare	29340	lb
					Net	32800	lb
					Tons	16.4	

Comments

Products	LD%	Qty	UOM	Rate	Fee	Amount	Origin
Cont Soil Pet-RGC-Tons-Cont. Soil	100	16.4	Tons	33.50		$549.40	MULT-IN

Total Fees

Driver's Signature _____ Total Ticket $549.40

Hillsboro Landfill
3205 SE MINTER BRIDGE RD,
HILLSBORO, OR, 97123-5350
Ph: (503) 640-9427

Reprint Ticket # 1492227

Customer Name	WALSHCONSTCO	Carrier	RA ROTH RA ROTH TRKING
Ticket Date	07/18/2018	Vehicle#	21-SOLO Volume
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	CHRISTIAN
Hauling Ticket#		Check#	
Route		Billing#	0001177
StateWasteCode		Gen EPA ID	N/A
Manifest	NA	Grid	
Destination			
PO#	127866		
Profile	127866OR(LF02: Non-Hazardous Contaminated Soil)		
Generator	1890681 OR-BLOCK 213		

	Time	Scale	Operator	Inbound			
In	07/18/18 07:37:28 AM	Inbound 2	BLAKE1		Gross	64200	lb
Out	07/18/18 07:50:01 AM	Outbound	jprime		Tare	29340	lb
					Net	34860	lb
					Tons	17.43	

Comments

Products	LD%	Qty	UOM	Rate	Fee	Amount	Origin
Cont Soil Pet-RGC-Tons-Cont. Soil	100	17.43	Tons	33.50		$583.91	MULT-IN

Total Fees

Driver's Signature _____ Total Ticket $583.91

Hillsboro Landfill
3205 SE MINTER BRIDGE RD,
HILLSBORO, OR, 97123-5350
Ph: (503) 640-9427

Reprint Ticket # 1492231

Customer Name	WALSHCONSTCO	Carrier	RA ROTH RA ROTH TRKING
Ticket Date	07/18/2018	Vehicle#	16 Volume
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	LARRY
Hauling Ticket#		Check#	
Route		Billing#	0001177
StateWasteCode		Gen EPA ID	N/A
Manifest	NA	Grid	
Destination			
PO#	127866		
Profile	127866OR(LF02: Non-Hazardous Contaminated Soil)		
Generator	1890681 OR-BLOCK 213		

	Time	Scale	Operator	Inbound			
In	07/18/18 07:49:13 AM	Inbound 2	BLAKE1		Gross	66580	lb
Out	07/18/18 08:01:09 AM	Outbound	jprime		Tare	30700	lb
					Net	35880	lb
					Tons	17.94	

Comments

Products	LD%	Qty	UOM	Rate	Fee	Amount	Origin
Cont Soil Pet-RGC-Tons-Cont. Soil	100	17.94	Tons	33.50		$600.99	MULT-IN

Total Fees

Driver's Signature _____ Total Ticket $600.99

Hillsboro Landfill
3205 SE MINTER BRIDGE RD,
HILLSBORO, OR, 97123-5350
Ph: (503) 640-9427

Reprint Ticket # 1492269

Customer Name	WALSHCONSTCO	Carrier	RA ROTH RA ROTH TRKING
Ticket Date	07/18/2018	Vehicle#	15 Volume
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	RANDY
Hauling Ticket#		Check#	
Route		Billing#	0001177
StateWasteCode		Gen EPA ID	N/A
Manifest	NA	Grid	
Destination			
PO#	BLOCK 213, LLC		
Profile	127866OR(LF02: Non-Hazardous Contaminated Soil)		
Generator	1890681 OR-BLOCK 213		

	Time	Scale	Operator	Inbound			
In	07/18/18 09:39:22 AM	Inbound 2	mlarson1		Gross	69680	lb
Out	07/18/18 09:39:22 AM		mlarson1		Tare	30300	lb
					Net	39380	lb
					Tons	19.69	

Comments

Products	LD%	Qty	UOM	Rate	Fee	Amount	Origin
Cont Soil Pet-RGC-Tons-Cont. Soil	100	19.69	Tons	33.50		$659.62	MULT-IN

Total Fees

Driver's Signature _____ Total Ticket $659.62

Hillsboro Landfill
3205 SE MINTER BRIDGE RD,
HILLSBORO, OR, 97123-5350
Ph: (503) 640-9427

Reprint Ticket # 1492273

Customer Name	WALSHCONSTCO	Carrier	RA ROTH RA ROTH TRKING
Ticket Date	07/18/2018	Vehicle#	20-SOLO Volume
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	JERRY
Hauling Ticket#		Check#	
Route		Billing#	0001177
StateWasteCode		Gen EPA ID	N/A
Manifest	NA	Grid	
Destination			
PO#	BLOCK 213		
Profile	127866OR(LF02: Non-Hazardous Contaminated Soil)		
Generator	1890681 OR-BLOCK 213		

	Time	Scale	Operator	Inbound			
					Gross	67220	lb
In	07/18/18 09:54:48 AM	Inbound 1	JPRIME		Tare	29340	lb
Out	07/18/18 09:54:48 AM		JPRIME		Net	37880	lb
					Tons	18.94	

Comments

Products	LD%	Qty	UOM	Rate	Fee	Amount	Origin
Cont Soil Pet-RGC-Tons-Cont. Soil	100	18.94	Tons	33.50		$634.49	MULT-IN

Total Fees

Driver's Signature _____ Total Ticket $634.49

Hillsboro Landfill
3205 SE MINTER BRIDGE RD,
HILLSBORO, OR, 97123-5350
Ph: (503) 640-9427

Reprint Ticket # 1492279

Customer Name	WALSHCONSTCO	Carrier	RA ROTH RA ROTH TRKING
Ticket Date	07/18/2018	Vehicle#	16 Volume
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	LARRY
Hauling Ticket#		Check#	
Route		Billing#	0001177
StateWasteCode		Gen EPA ID	N/A
Manifest	NA	Grid	
Destination			
PO#	BLOCK 213, LLC		
Profile	127866OR(LF02: Non-Hazardous Contaminated Soil)		
Generator	1890681 OR-BLOCK 213		

	Time	Scale	Operator	Inbound			
In	07/18/18 10:10:09 AM	Inbound 2	mlarson1		Gross	70340	lb
Out	07/18/18 10:10:09 AM		mlarson1		Tare	30700	lb
					Net	39640	lb
					Tons	19.82	

Comments

Products	LD%	Qty	UOM	Rate	Fee	Amount	Origin
Cont Soil Pet-RGC-Tons-Cont. Soil	100	19.82	Tons	33.50		$663.97	MULT-IN

Total Fees

Driver's Signature _____ Total Ticket $663.97

Hillsboro Landfill
3205 SE MINTER BRIDGE RD,
HILLSBORO, OR, 97123-5350
Ph: (503) 640-9427

Reprint Ticket # 1492286

Customer Name	WALSHCONSTCO	Carrier	RA ROTH RA ROTH TRKING
Ticket Date	07/18/2018	Vehicle#	21-SOLO Volume
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	CHRISTIAN
Hauling Ticket#		Check#	
Route		Billing#	0001177
StateWasteCode		Gen EPA ID	N/A
Manifest	na	Grid	
Destination			
PO#	block213		
Profile	127866OR(LF02: Non-Hazardous Contaminated Soil)		
Generator	1890681 OR-BLOCK 213		

	Time	Scale	Operator	Inbound			
In	07/18/18 10:32:01 AM	Inbound 1	JPRIME		Gross	52400	lb
Out	07/18/18 10:32:01 AM		JPRIME		Tare	29340	lb
					Net	23060	lb
					Tons	11.53	

Comments

Products	LD%	Qty	UOM	Rate	Fee	Amount	Origin
Cont Soil Pet-RGC-Tons-Cont. Soil	100	11.53	Tons	33.50		$386.26	MULT-IN

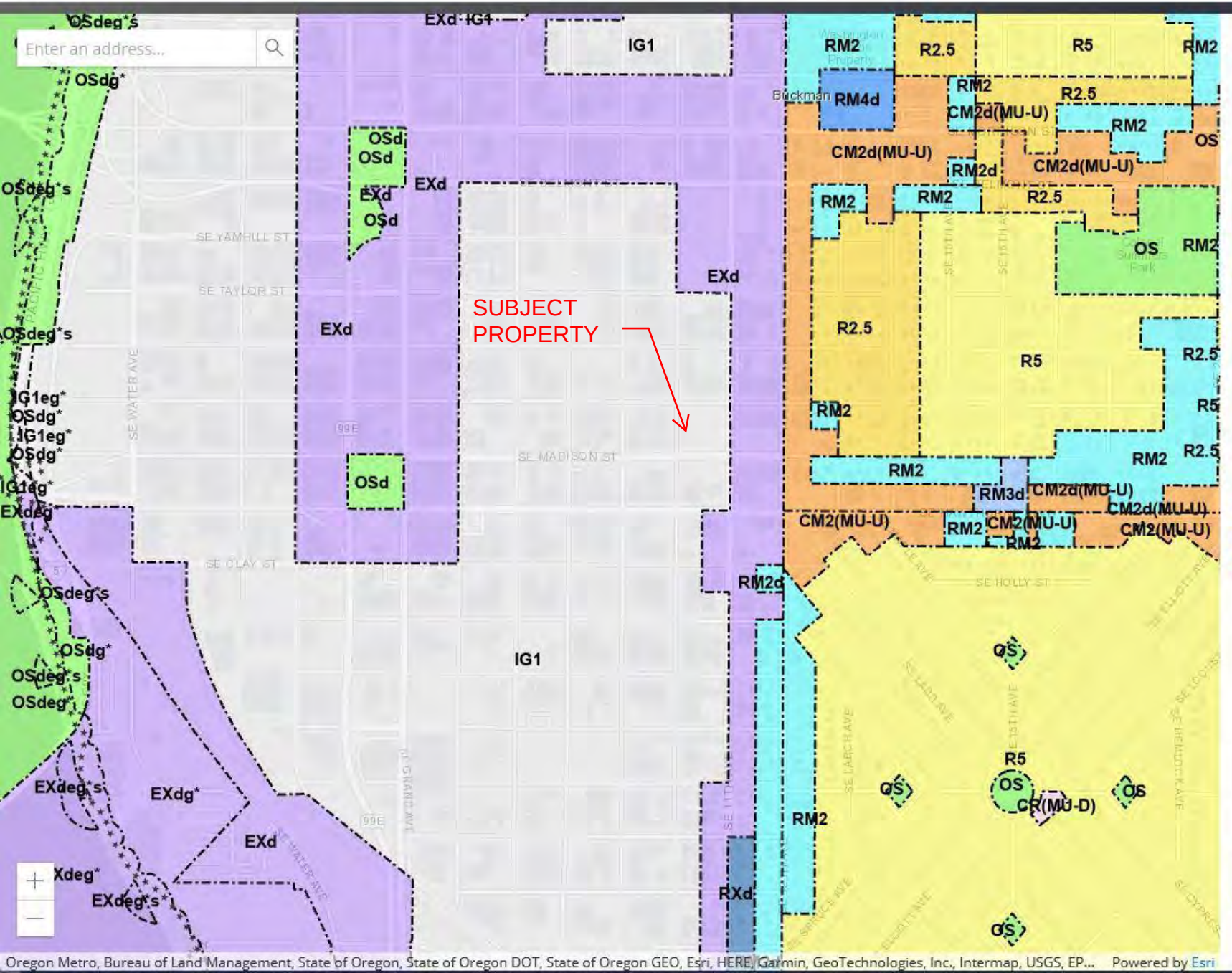
Total Fees

Driver's Signature _____ Total Ticket $386.26

APPENDIX D

APPENDIX D

LAND AND BENEFICIAL WATER USE DETERMINATION DOCUMENTATION



- Campus Insitutional 2 (CI2)
- Central Commercial (CX)
- Central Employment (EX)
- Central Residential (RX)
- Commercial Employment (CE)
- Commercial Mixed Use 1 (CM1)
- Commercial Mixed Use 2 (CM2)
- Commercial Mixed Use 3 (CM3)
- Commercial Residential (CR)
- County Zoning - Clackamas (CL) | Multnomah (MC) | Multnomah (MC)
- General Employment 1 (EG1)
- General Employment 2 (EG2)
- General Industrial 1 (IG1)
- General Industrial 2 (IG2)
- Heavy Industrial (IH)
- Institutional Residential (IR)
- Open Space (OS)

POTENTIAL WATER WELLS WITHIN 1/2 MILE OF SUBJECT PROPERTY
MULT 2715
MULT 2711
MULT 2714
MULT 2727
SUBJECT PROPERTY
MULT 2713
MULT 004
MULT 2717
1/2-MILE RADIUS
Portland
Central East Side
Lone Fir Cemetery
Ladd's Addition
Willamette River
SE ANKENY ST
SE ASH ST
SE PINE ST
SE WASHINGTON ST
SE MORRISON ST
SE YAMHILL ST
SE TAYLOR ST
SE SALMON ST
SE MAIN ST
SE MADISON ST
SE HARRISON ST
SE CLINTON ST
SE WOODWARD ST
SE 7TH AVE
SE 9TH AVE
SE 10TH AVE
SE 11TH AVE
SE 12TH AVE
SE 20TH AVE
I 5
I 405
OR 99E
River Place Marina
Oregon Hall of Heritage Center
Hosford Middle School

RECEIVED

APR 10 1990

WATER RESOURCES DEPT.

MULT 004

1S/1E/2Cb

(START CARD) # 16256

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

(1) OWNER:

Well Number: ALEM [illegible]

Name HAROLD COE

Address 120 SE CLAY

City PORTLAND State OR Zip 97214

(2) TYPE OF WORK:

☑ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☐ Rotary Air ☐ Rotary Mud ☑ Cable

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☑ Industrial ☐ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☐ Depth of Completed Well 60 ft.

Explosives used Yes ☐ No ☐ Type ____ Amount ____

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks ~~pounds~~
10+	1	25	GRANULAR BENTONITE			22
6	25	60				

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☑ Other GRANULAR BENTONITE METHOD

Backfill placed from ____ ft. to ____ ft. Material ____

Gravel placed from ____ ft. to ____ ft. Size of gravel ____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	6	0	60	.125	☑	☐	☑	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) ____

(7) PERFORATIONS/SCREENS:

☐ Perforations Method ____

☐ Screens Type ____ Material ____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour

☑ Pump ☑ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
42	5'	BAILER	1 hr.
37	4'	PUMP	2 HR

Temperature of water ____ Depth Artesian Flow Found ____

Was a water analysis done? ☐ Yes By whom ____

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other ____

Depth of strata: ____

(9) LOCATION OF WELL by legal description:

County MULTNOMAH Latitude ____ Longitude ____

Township 1S N or S, Range 1E E or W, WM.

Section 2 NW ¼ SW ¼

Tax Lot ____ Lot ____ Block ____ Subdivision ____

Street Address of Well (or nearest address) SAME

(10) STATIC WATER LEVEL:

28 ft. below land surface. Date 13 MAR

Artesian pressure ____ lb. per square inch. Date ____

(11) WATER BEARING ZONES:

Depth at which water was first found 31

From	To	Estimated Flow Rate	SW
31	34		3
45	60		2

(12) WELL LOG:

Ground elevation ____

Material	From	To	SW
ASPHALT & CEMENT	1	2	
SAND	2	7	
CEMENTED GRAVEL BROWN	7	20	
SILT BROWN	20	31	
GRAVEL W/ FINE SAND	31	34	
SAND W/ CLAY CHUNKS BROWN	34	45	
GRAVEL / SAND BROWN	45	60	

Date started 9 MAR Completed 13 MAR 9[illegible]

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my knowledge and belief.

WWC Number ____

Signed ____ Date ____

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon construction standards. This report is true to the best of my knowledge and belief.

WWC Number 7[illegible]

Signed Richard Buck Date 3/13/90

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 98[illegible]

MULT

MULT 2711

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM, OREGON, within 30 days from the date of well completion.

RECEIVED FEB 3 1965 STATE ENGINEER

WATER WELL REPORT
STATE OF OREGON
(please type or print)

State Well No. 1/1-2B

State Permit No. G3028

(1) OWNER:
Name PACIFIC NORTHWEST BELL
Address 421 S.W. OAK ST. PORTLAND, ORE

(2) LOCATION OF WELL:
County MULT. Driller's well number 4783
NW ¼ NE ¼ Section 2 T. 15 R. 1E W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):
Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):
Domestic [ ] Industrial [ ] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [X]

(5) TYPE OF WELL:
Rotary [ ] Driven [ ]
Cable [X] Jetted [ ]
Dug [ ] Bored [ ]

(6) CASING INSTALLED:
Threaded [ ] Welded [X]
8" Diam. from 0 ft. to 212 ft. Gage .277
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:
Perforated? [X] Yes [ ] No
Type of perforator used STAR
Size of perforations 3/8 in. by 1 1/4 in.
120 perforations from 165 ft. to 171 ft.
200 perforations from 175 ft. to 185 ft.
140 perforations from 193 ft. to 200 ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:
Well screen installed? [ ] Yes [X] No
Manufacturer's Name
Model No.
Diam. Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Well seal—Material used in seal CEMENT GROUT
Depth of seal 56 ft. Was a packer used? NO
Diameter of well bore to bottom of seal 12 in.
Were any loose strata cemented off? [ ] Yes [X] No Depth
Was a drive shoe used? [X] Yes [ ] No
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.
Did any strata contain unusuable water? [ ] Yes [X] No
Type of water? depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 70 ft. below land surface Date 1/15/65
Artesian pressure lbs. per square inch Date

(11) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? [X] Yes [ ] No If yes, by whom? RJ STRASSER DRILLING CO
Yield: 170 gal./min. with 70 ft. drawdown after 8 hrs.
" 117 " 54 " 1 "
" 84 " 44 " 1 "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 53½° Was a chemical analysis made? [X] Yes [ ] No

(12) WELL LOG:
Diameter of well below casing
Depth drilled 225 ft. Depth of completed well 212 ft.

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TOP SOIL	0	15
SANDY CLAY	15	48
CEMENTED GRAVEL	48	92
SAND AND GRAVEL	92	88
CEMENTED GRAVEL	88	150
SAND AND GRAVEL SOME CLAY	150	170
LARGE LOOSE GRAVEL	170	183
CEMENTED GRAVEL	183	212
BROWN SAND	212	225
~~Air conditioning~~		

Work started DEC 11 1964 Completed JAN 19 1965
Date well drilling machine moved off of well JAN 15 1965

(13) PUMP:
Manufacturer's Name
Type: H.P.

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME R.J. STRASSER DRILLING CO (Person, firm or corporation) (Type or print)
Address 8110 SE SUNSET LANE PORTLAND
Drilling Machine Operator's License No. 190
[Signed] Robert L. Strasser (Water Well Contractor)
Contractor's License No. 10 Date FEB

(USE ADDITIONAL SHEETS IF NECESSARY)

MULT 2713

File Original and First Copy with the STATE ENGINEER, SALEM, OREGON

Record from U.S.G.S. W.S.P. 890

WATER WELL REPORT

STATE OF OREGON

State Well No. 1/1-2E(1)

State Permit No. .....

(1) OWNER:

Name Western Dairy Products Co.

Address

Portland

(2) LOCATION OF WELL:

County Multnomah Owner's number, if any—

SW ¼ NW ¼ Section 2 T. 1 S R. 1 E W.M.

Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☒ Municipal ☐

Irrigation ☐ Test Well ☐ Other ☐

(5) TYPE OF WELL:

Rotary ☐ Driven ☐

Cable ☐ Jetted ☐

Dug ☐ Bored ☐

(6) CASING INSTALLED:

Threaded ☐ Welded ☐

..... " Diam. from ..... ft. to 504 ft. Gage .....

..... " Diam. from ..... ft. to ..... ft. Gage .....

..... " Diam. from ..... ft. to ..... ft. Gage .....

(7) PERFORATIONS:

Perforated? ☐ Yes ☐ No

Type of perforator used

SIZE of perforations in. by in.

..... perforations from ..... ft. to ..... ft.

..... perforations from ..... ft. to ..... ft.

..... perforations from ..... ft. to ..... ft.

..... perforations from ..... ft. to ..... ft.

..... perforations from ..... ft. to ..... ft.

(8) SCREENS:

Well screen installed ☐ Yes ☐ No

Manufacturer's Name .....

Type ..... Model No. .....

Diam. ..... Slot size ..... Set from ..... ft. to ..... ft.

Dia. ..... Slot size ..... Set from ..... ft. to ..... ft.

(9) CONSTRUCTION:

Was well gravel packed? ☐ Yes ☐ No Size of gravel: .....

Gravel placed from ..... ft. to ..... ft.

Was a surface seal provided? ☐ Yes ☐ No To what depth? ..... ft.

Material used in seal—

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? Depth of strata

Method of sealing strata off

(10) WATER LEVELS:

Static level 37 ft. below land surface Date

Artesian pressure lbs. per square inch Date

Log Accepted by:

[Signed] ..... Date ....., 19.....

(Owner)

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom? -

Yield: gal./min. with ft. drawdown after hrs.

" " " "

" " " "

Bailer test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m. Date

Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

(12) WELL LOG:

Diameter of well 12-10 inches.

Depth drilled 504 ft. Depth of completed well 504 ft.

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
unknown	0	170
gravel and sand, water bearing	170	203

Work started 19 . Completed 19

(13) PUMP:

Manufacturer's Name .....

Type: turbine H.P. .....

Well Driller's Statement:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME .....
(Person, firm, or corporation) (Type or print)

Address .....

Driller's well number .....

[Signed] .....
(Well Driller)

License No. ..... Date ....., 19.....

(USE ADDITIONAL SHEETS IF NECESSARY)

STATE ENGINEER
Salem, Oregon

MULT 2714

Well Record

STATE WELL NO. 1/1/2E2
COUNTY MULTNOMAH
APPLICATION NO.

OWNER: Arden Farms Co.

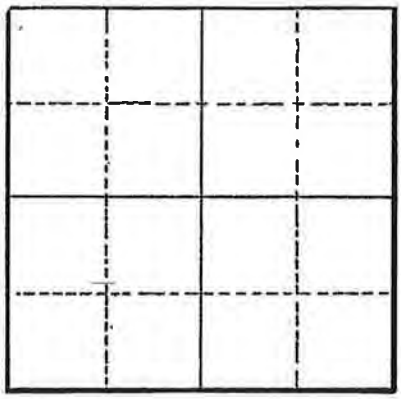
MAILING ADDRESS:

CITY AND STATE:

LOCATION OF WELL: Owner's No.

.....¼ .....¼ Sec. ..... T. ..... N. S., R. ..... E. W., W.M.

Bearing and distance from section or subdivision corner



Altitude at well 55

TYPE OF WELL: Drilled Date Constructed

Depth drilled 385 Depth cased 307

Section

CASING RECORD:

14 inch

FINISH:

AQUIFERS:
Gravel, Troutdale Formation, from 170 to 175
Sand, Gravel, Sandy R. Mudstone, from 281 to 292

WATER LEVEL:

PUMPING EQUIPMENT: Type Turbine H.P.
Capacity G.P.M.

WELL TESTS:
Drawdown ft. after hours G.P.M.
Drawdown ft. after hours G.P.M.

USE OF WATER Industrial Temp. °F., 19
SOURCE OF INFORMATION USGS
DRILLER or DIGGER
ADDITIONAL DATA:
Log X Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

Pumped 1,200 gpm, drawdown 27 ft. after 1 hour.
Perforated 45-50, 168-175, and 285-295.ft.

State Printing 89316

MULT 2714

STATE ENGINEER
Salem, Oregon

State Well No. 1/1-2E
County MULTNOMAH
~~Application No.~~ GR-3379

Well Log

Owner: Arden Farms Co. Owner's No.

Driller: R. J. Strasser Date Drilled 1944

CHARACTER OF MATERIAL	(Feet below land surface) From	To	Thickness (feet)
Clay	Surface	6	6
Gravel	6	14	8
Bolders	14	20	6
Gravel with clay binder	20	45	25
Loose Gravel with water	45	52	7
Yellow Sand	52	54	2
Gravel with clay binder	54	113	59
Silt and Sand	113	117	4
Clay	117	123	6
Cement Gravel	123	170	47
Gravel and water	170	175	5
Gravel and Ligh color Sand	175	188	13
Gravel with Clay Binder	188	229	41
Shale	229	281	52
Sand - Gravel - water	281	292	11
Clay	292	310	8
Clay - solt - some gravel	310	373	63
Sandstone	373	385	12

MULT 2714

STATE ENGINEER
Salem, Oregon

State Well No. 1/1-2E2
County MULTNOMAH
Application No.

Well Log

Owner: Arden Farms Company Owner's No.

Driller: R. J. Strasser Drilling Company Date Drilled 1944

CHARACTER OF MATERIAL	(Feet below land surface) From	To	Thickness (feet)
Younger terrace deposits:			
Clay	0	6	6
Gravel	6	14	8
Boulders	14	20	6
Fluviolacustrine deposits and Troutdale Formation:			
Gravel with clay binder	20	45	25
Gravel, loose, water-bearing	45	52	7
Sand, yellow	52	54	2
Gravel with clay binder	54	113	59
Silt and sand, blue	113	117	4
Clay	117	123	6
Troutdale Formation:			
Gravel, cemented	123	170	47
Gravel, water-bearing	170	175	5
Gravel, with sand and clay	175	229	54
Sandy River Mudstone:			
Shale	229	281	52
Sand and gravel, water-bearing	281	292	11
Clay	292	310	18
Clay and silt, scattered gravel	310	373	63
Sandstone	373	385	12

STATE ENGINEER
Salem, Oregon

MULT 2727

Well Record

STATE WELL NO. 1/1-2E
COUNTY MULTNOMAH
APPLICATION NO. GR-3379

OWNER: Arden Farms Co.

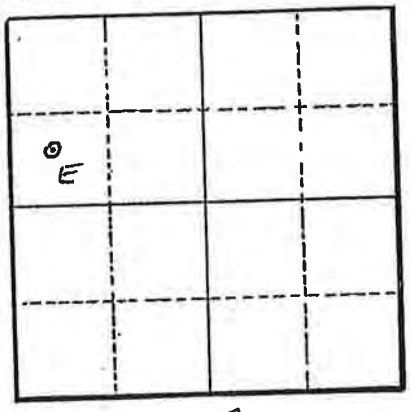
MAILING ADDRESS: 617 SE Main St.

CITY AND STATE: Portland, Oregon

LOCATION OF WELL: Owner's No. .....

SW ¼ NW ¼ Sec. 2 T. 1 N. S., R. 1 E. W., W.M.

Bearing and distance from section or subdivision corner 120' W of NE corner of block 134
600' E & 750' N from W corner Section 2



Section 2

Altitude at well .....

TYPE OF WELL: Drilled Date Constructed 1944

Depth drilled 307' Depth cased .....

CASING RECORD:
14-inch

FINISH: NA

45' to 50'
168' to 175'
285' to 295'

AQUIFERS:

WATER LEVEL:
62'

PUMPING EQUIPMENT: Type Deming Deep Well Turbine Pump H.P. 75
Capacity 1200 G.P.M.

WELL TESTS:
Drawdown 22 ft. after ..... hours 1000 G.P.M.
Drawdown 27 ft. after ..... hours 1200 G.P.M.

USE OF WATER Manufacturing Temp. ..... °F. ....., 19...
SOURCE OF INFORMATION GR-3852
DRILLER or DIGGER R. L. Strasser
ADDITIONAL DATA:
Log X Water Level Measurements ..... Chemical Analysis ..... Aquifer Test .....

REMARKS:

State Printing 89316

ORIGINAL
File Original, and Duplicate with the STATE ENGINEER, SALEM, OREGON

MULT 2715

WATER WELL DRILLERS REPORT
STATE OF OREGON

Do Not Fill In — State Well No. 1S/2E-10 C
State Permit No. 6333

(1) OWNER:
Name Lewis Brothers
Address 1005 S.E. Washington St

G4448

(2) LOCATION OF WELL:
County MULT Owner's number, if any— 1005 S.E.
R. F. D. or Street No. WASHINGTON ST
Bearing and distance from section or subdivision corner

MAP ENCLOSED

TYPE OF WORK (check):
New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☐
Cable ☒
Dug Well ☐

CASING INSTALLED:
Threaded ☐ Welded ☒

FROM	ft. to	ft.	Diam.	Gage or Wall
0	104	8		.317

Type and size of shoe or well ring Steel
Describe joint

If gravel packed

Diameter of Bore	from ft.	to ft.

Size of gravel:

(7) PERFORATIONS:
Type of perforator used Mills Knife
SIZE of perforations 3/8 in., length, by 2 in.

FROM	ft. to	ft.	perf per foot	No. of rows
85	105	4	18	

SCREENS:
Give Manufacturer's Name, Model No. and Size

CONSTRUCTION:
Was a surface sanitary seal provided? ☐ Yes ☒ No To what depth ft.
Were any strata sealed against pollution? ☒ Yes ☐ No
If yes, note depth of strata Surface water

FROM	ft. to	ft.

METHOD OF SEALING Driving casing

(9) WATER LEVELS:
Depth at which water was first found 85 ft.
Standing level before perforating 38 ft.
Standing level after perforating 38 ft.

Log Accepted by:
[Signed] ..... Dated ....., 19.....
Owner

(10) WELL TESTS:
Was a pump test made? ☒ Yes ☐ No If yes, by whom? Driller
Yield: 60 gal./min. with 42 ft. draw down after 4 hrs.
" " " " " "
" " " " " "
Artesian flow ..... g.p.m.
Shut-in pressure ..... lbs. per square inch.
Bailer test ..... g.p.m. with ..... ft. drawdown
Temperature of water Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:
Diameter of well, 8 inches.
Total depth 105 ft. Depth of completed well 105 ft.
Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

0 ft. to	15 ft.	Sandy soil
15 "	85 "	Cemented gravel
85 "	105 "	Sand and gravel - water-bearing

RECEIVED
DEC 23 1956
STATE ENGINEER
SALEM, OREGON

Ground elevation at well site ..... feet above mean sea level.
Work started 11-7-56 19 , Completed 11-21-56 19

Well Driller's Statement:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME A.M. Jannsen Drilling Co.
(Person, firm or corporation) (Type or printed)
Address 21075 S.W. Tualatin Valley Highway Aloha, Oregon
Driller's well number
[Signed] Edward M. Jannsen
(Well Driller)
License No. 79 Dated 12-17-56, 19

RECEIVED
DEC 2 1960
STATE ENGINEER
SALEM, OREGON

MULT 2717

File Original and First Copy with the STATE ENGINEER, SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON

State Well No. 1/1-3J(1)

State Permit No. G1851

(1) OWNER:
Name: Eastside Plating Works
Address: 310 SE Stephens
Portland, Oregon

(2) LOCATION OF WELL:
County ###### Multnomah Owner's number, if any— 1

¼ ¼ Section T. R. W.M.

Bearing and distance from section or subdivision corner

3rd E. Stephens St. approximately 65' E. of of S.E. 3rd Ave adjacent To Lot 1, Block 46 Stephens Add'n to East Portland.

(3) TYPE OF WORK (check):
New Well [X] Deepening [ ] Reconditioning [ ] Abandon [ ]
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic [ ] Industrial [X] Municipal [ ]
Irrigation [ ] Test Well [ ] Other [ ]

(5) TYPE OF WELL:
Rotary [ ] Driven [ ]
Cable [X] Jetted [ ]
Dug [ ] Bored [ ]

(6) CASING INSTALLED:
Threaded [ ] Welded [X]

8 " Diam. from surf. ft. to 180 ft. Gage 27 #/ft.
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:
Perforated? [X] Yes [ ] No

Type of perforator used yes

SIZE of perforations 3/8 in. by 1¼ in.

360 perforations from 158 ft. to 170 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:
Well screen installed [ ] Yes [X] No

Manufacturer's Name
Type Model No.
Diam. Slot size Set from ft. to ft.
Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Was well gravel packed? [ ] Yes [X] No Size of gravel:
Gravel placed from ft. to ft.
Was a surface seal provided? [ ] Yes [X] No To what depth? ft.
Material used in seal—
Did any strata contain unusable water? [ ] Yes [X] No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 53 ft. below land surface Date Sept 27, 60
Artesian pressure lbs. per square inch Date

Log Accepted by:
[Signed] (Owner) Date 12/1/60

(11) WELL TESTS:
Drawdown is amount water level is lowered below static level

Was a pump test made? [X] Yes [ ] No If yes, by whom?

Yield: 100 gal./min. with 3.5 ft. drawdown after 6 hrs.
" 150 " 7 " 6 "
" 200 " 12 " 6 "

Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water 55° Was a chemical analysis made? [ ] Yes [X] No

(12) WELL LOG:
Diameter of well 8 inches.
Depth drilled 180 ft. Depth of completed well 180 ft.

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Sand and silt	Surf.	7
Gravel and boulders	7	33
Brown sand	33	39
Loose gravel and sand	39	46
Cemented gravel	46	62
Brown sand	62	69
Gravel and sand (clay binder)	69	83
Cemented gravel	83	126
Sand with some gravel	126	139
Cemented gravel	139	154
Loose gravel and sand, water	154	170
Medium to large cemented gravel	170	180

Work started Sept. 1 1960 Completed Sept. 28 1960

(13) PUMP:
Manufacturer's Name Johnston
Type: Submersible H.P. 7½

Well Driller's Statement:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME R. J. Strasser Drilling Co.
(Person, firm, or corporation) (Type or print)

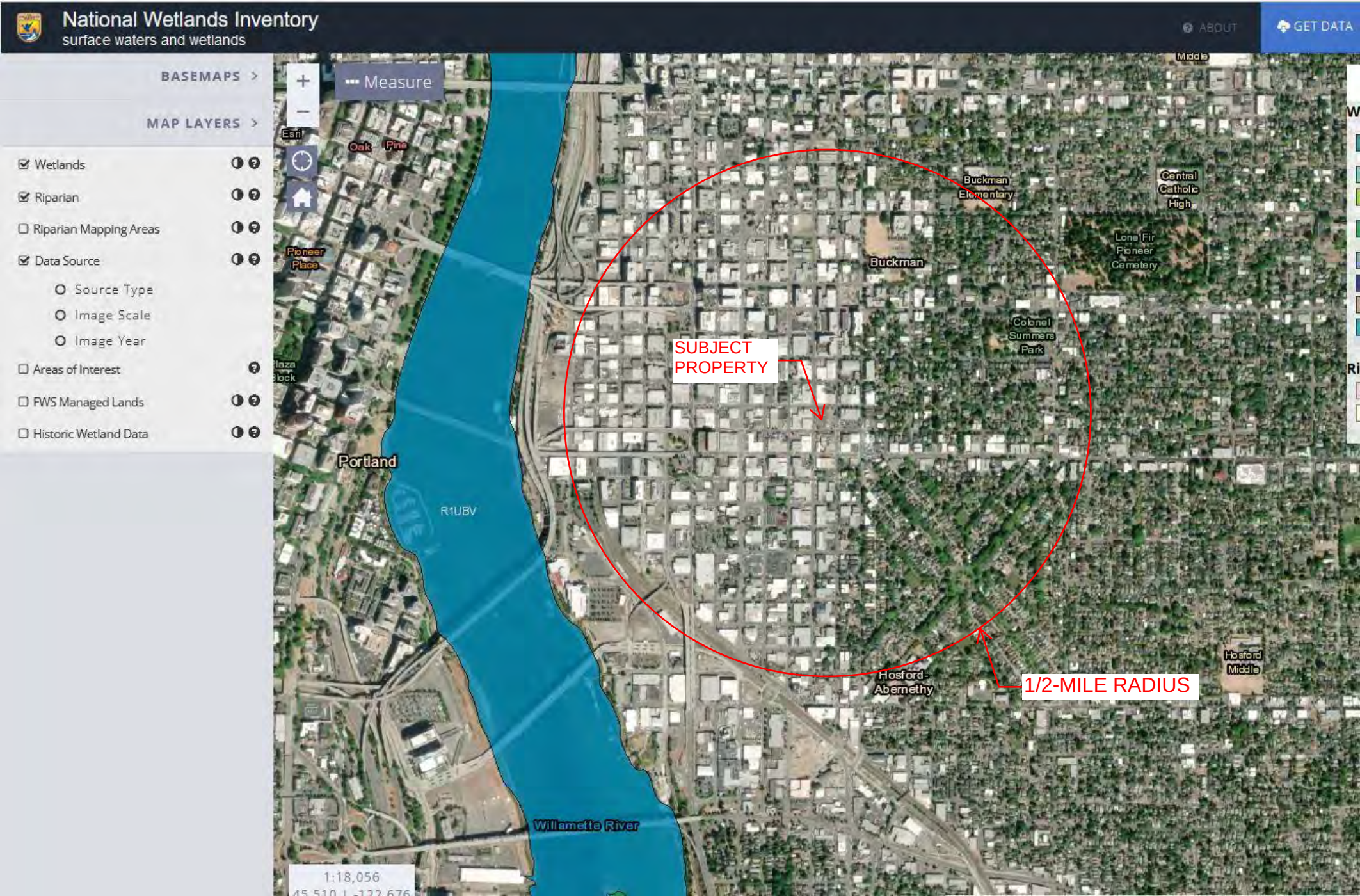
Address 8110 SE Sunset Lane, Portland 6, Ore.

Driller's well number 4102

[Signed] Robert L. Strasser
(Well Driller)

License No. 10 Date Oct. 1, 1960

(USE ADDITIONAL SHEETS IF NECESSARY)


National Wetlands Inventory
surface waters and wetlands
ABOUT
GET DATA
BASEMAPS
MAP LAYERS
Wetlands
Riparian
Riparian Mapping Areas
Data Source
Source Type
Image Scale
Image Year
Areas of Interest
PWS Managed Lands
Historic Wetland Data
Measure
Earl
Oak
Pine
Pioneer Place
Buckman Elementary
Central Catholic High
Lone Fir Pioneer Cemetery
Buckman
Colonel Summers Park
SUBJECT PROPERTY
Portland
R1UBV
Willamette River
Hosford-Abernethy
Hosford Middle
1/2-MILE RADIUS
1:18,056

NV5

Delivering Solutions
Improving Lives