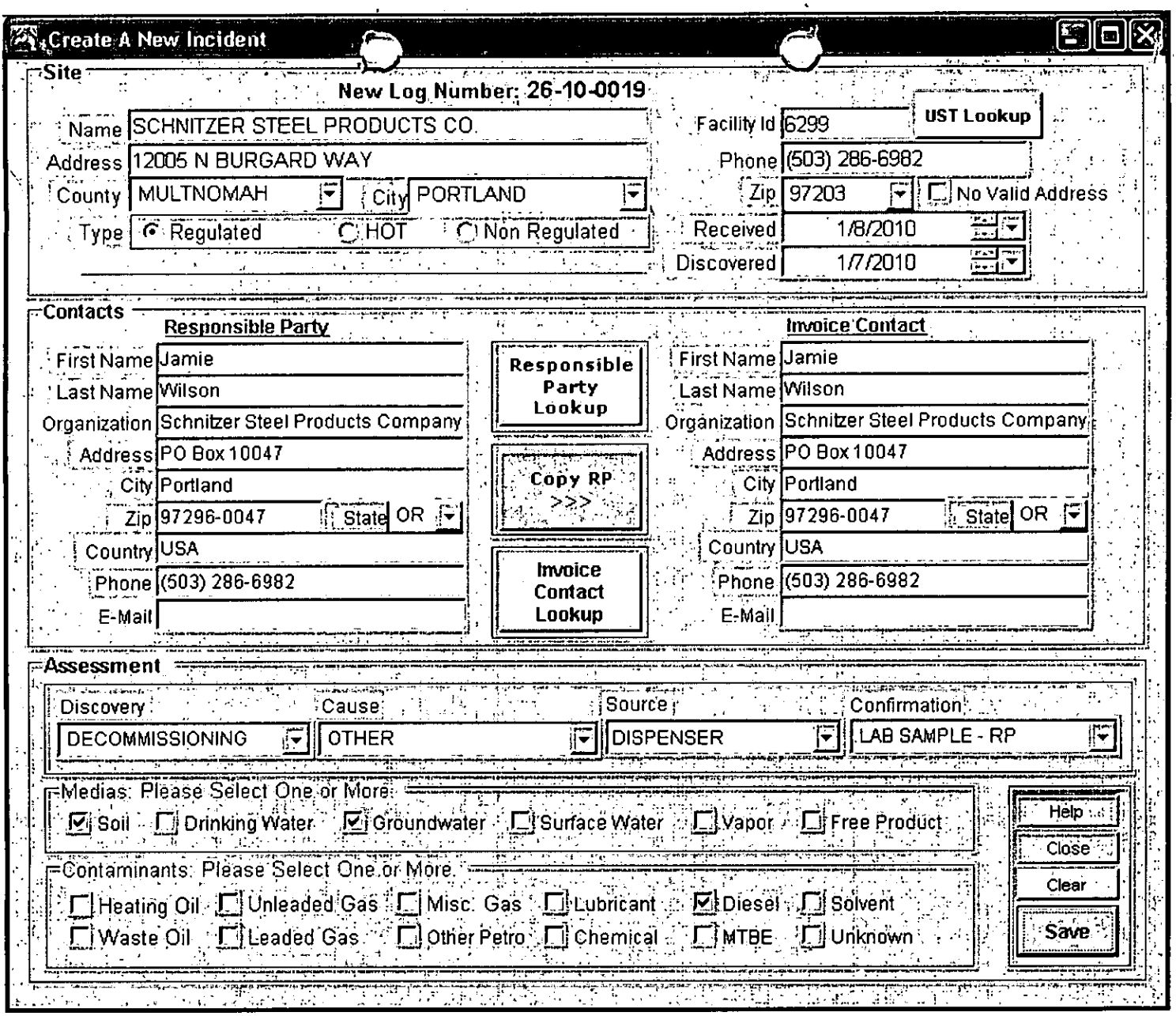

Q-Time # 41511
CRA 4/6/10 LR
FIR 6/9/10 KD
NFA 8/25/10 KD

DEQ
State of Oregon
Department of
Environmental
Quality

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND STORAGE TANK PROGRAM

Cost Recovery Agreement

This document serves as an agreement between the undersigned (hereinafter "you") and the Department of Environmental Quality (DEQ) regarding DEQ review and oversight of the investigation and/or cleanup of petroleum (hazardous substances) at the property located at:

Facility Name: Schnitzer Steel

Address: 12005 Burgard Way
Portland, OR 97203

USTC No.: ~~AHCHK, AHCHA, AHCHB~~ 26-10-0019 LK

DEQ agrees to review environmental documents submitted by you or on your behalf regarding the investigation and/or cleanup of the above-referenced site. Additional details regarding DEQ oversight will be established upon review of the initial site data.

DEQ requires that persons requesting DEQ review and oversight of investigation and cleanup activities agree to the terms of this cost recovery agreement and pay project oversight costs.

DEQ project oversight costs will include direct costs and indirect costs. Direct costs include site-specific expenses and legal costs. Indirect costs are those general management and support costs of the DEQ, including the Land Quality Division (LQ), allocable to DEQ oversight of this agreement and not charged as direct, site-specific costs. Indirect charges are based on a percentage of direct personal services costs. Review and oversight costs shall not include any unreasonable costs or costs not otherwise recoverable by DEQ under ORS 465.255.

DEQ costs are due within thirty (30) days of issuance of the monthly statement, by a check made payable to the "Department of Environmental Quality". Nine percent interest shall be charged on past due accounts.

Electing not to enter into this agreement does not release you from any responsibility that you might have for any reporting requirements, investigation and/or cleanup of petroleum (hazardous substances) at the above referenced facility. This does not preclude the DEQ from conducting audits or inspections of all or portions of the investigation and cleanup activities associated with this facility. Enforcement action may be initiated if any violation of Oregon Administrative Rules (OARs) or Oregon Revised Statutes (ORSs) is found.

Either DEQ or you may terminate this agreement by giving 15 days advance written notice to the other. Only those costs incurred or obligated by DEQ prior to the effective date of any termination of the agreement shall be recoverable under this agreement. Termination of this agreement will not affect any other right DEQ may have for recovery of costs under any applicable law.

You will hold DEQ harmless for any claims (including but not limited to claims of property damage or personal injury) arising from DEQ review and/or oversight activities under this agreement.

This agreement is not and shall not be construed to be an admission by you of any liability under ORS 465.255 or any other law or as a waiver by you of any defense to such liability. This agreement is not and shall not be construed to be a waiver, release, or settlement of claims that DEQ may have against you or any other responsible person nor is this agreement a waiver of any enforcement authority that DEQ may have.

The DEQ Tanks Program will be responsible for the review and oversight of the investigation and cleanup activities associated with the property. Please refer all site-specific inquiries to the UST Regional Offices in Northwest Region – Portland, Western Region – Salem and Eugene and Eastern Region – The Dalles. For locations and phone numbers of the regional offices, please see the UST Regional Office list at http://www.deq.state.or.us/about/locations.htm

All inquiries regarding cost recovery and/or invoices should be directed to Dawn Ismerio at 503-229-5812.

If the terms of this agreement are acceptable, please have it executed by an authorized officer in the space provided below. In order to more effectively schedule your project, please return this agreement within 30 days of receipt to the regional office responsible for your site.

Accepted and agreed to this 5th day of April, 2010

By: Jamie Wilson

Title: Director, NW Operations

Please provide the following information as to where the invoices should be sent.

Individual Name: Corey Bailey

Title: Regional Environmental Manager

Company Name: Schnitzer Steel

Mail Address: PO Box 10047

City, State, Zip: Portland, OR 97296-0047

Phone Number: 503-737-6848

* new name phone #

SOIL MATRIX CLOSURE REPORT
DEQ Log # 26-10-0019

Addressing

Schnitzer Steel
12005 N. Burgard Way
Portland, Oregon 97203

Prepared for

Schnitzer Investment Corp.
&
Oregon Department of Environmental Quality

Prepared By

Kay Thompson

Construction & Environmental Services Co., Inc.
CAESCO
PO Box 430
Fairview, OR 97024

January, 2010

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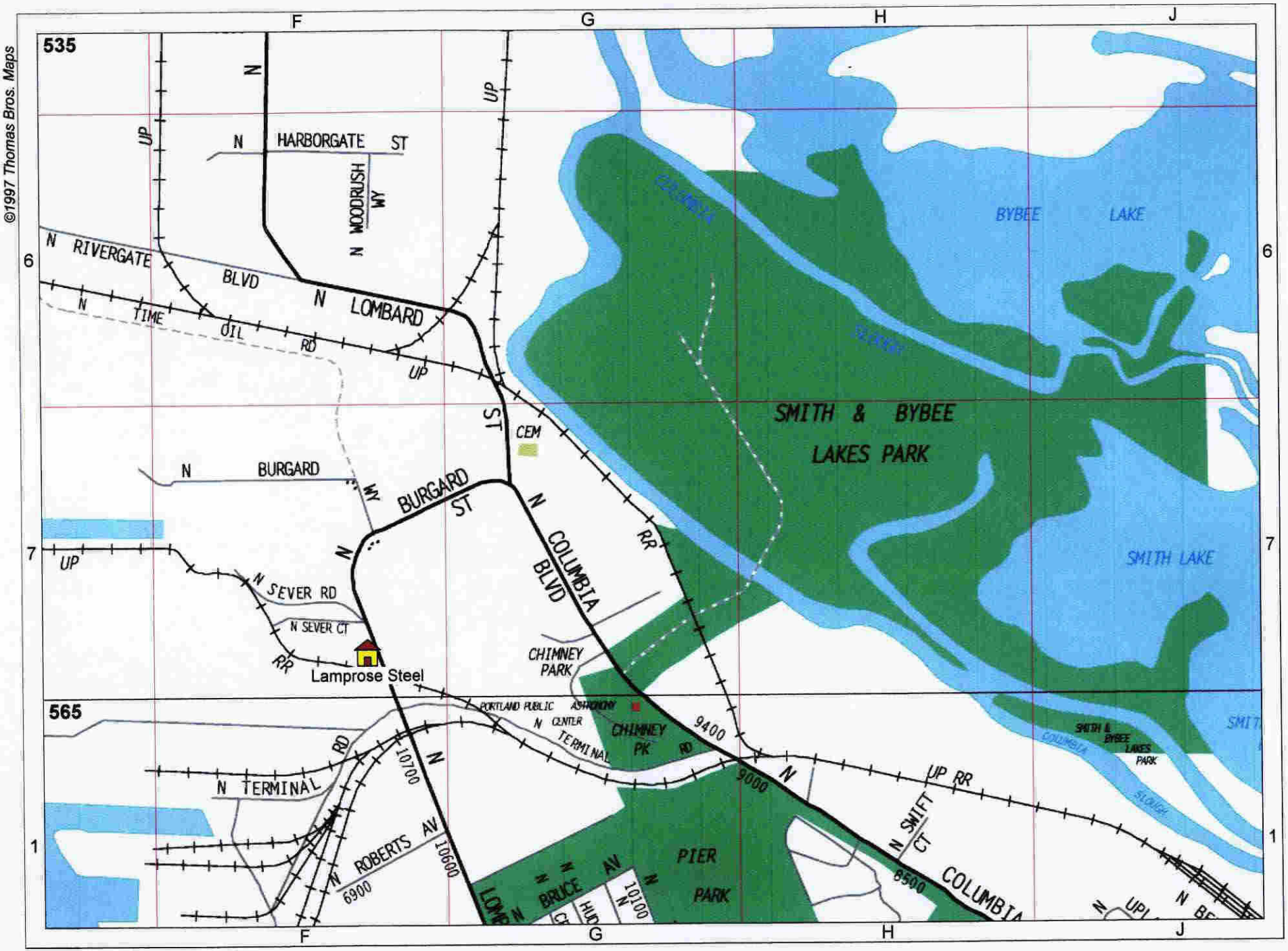


Lamprose Steel: N Burgard St & Sever, Portland, 97203, Page & Grid 535 F7

Soil Matrix Closure Report
Schnitzer Steel
12005 N. Burgard Way
Portland, Oregon 97203
DEQ Log # 26-10-0019

SUMMARY:

On January 4, 2010, Construction & Environmental Services Co., Inc. (CAESCO) under contract with Schnitzer Steel was on Site at the above referenced address in order to collect soil and water samples following the removal of (1) 20,000 gallon gas and (2) 6,000 gallon diesel underground storage tanks (UST's).

Petroleum Constructors, Inc. (PCI) had recently decommissioned the three UST's where upon, water began to enter the excavation pit. Approximately 4200 gallons of water was pumped from the pit by Cowlitz Clean Sweep and removed for off site disposal. The water readily began to recharge within the pit area. As per DEQ rules and regulations a water sample was collected for analysis. Four soil samples were collected at the original soil/water interface at an approximate depth of 11'. Soils sample collected from the pit area were noted to be without an odor or discoloration. An additional two soil samples were collected from the bottom of the pit and held pending the water analysis results. Water collected from within the pit area was noted to be without a sheer or odor. Eight dispensers were removed and soils also collected beneath each at an approximate depth of 14". The majority of these soil samples were noted to be discolored and with a strong petroleum odor. These are noted on the sampling map as #1 through #8.

All soil and water samples were transported on ice to Wy'East for analysis. All soil samples were analyzed via Total Petroleum Hydrocarbons, Hydrocarbon Identification (TPH-HCID) All four of the soil samples collected from within the excavation pit revealed non-detect for gas, diesel and heavy oils. The water sample was analyzed via Total Petroleum Hydrocarbons, Diesel-extended, Gas-extended, 8260B and PAH. All results were non-detect for all constituents. Lab results concluded that both the soil and water within the pit area was clean.

All of the soil samples collected from the eight dispenser areas revealed detection for diesel with the exception of two; #7 & 8 located centrally. (Please reference site/sampling map) Soils collected beneath the three dispensing points located to the east and three located to the west of the excavation pit were

quantified via TPH-Dx and all were above the allowable limits in order to close the Site under "Soil Matrix" guidelines. DEQ then assigned File # 26-10-0019 to the Site.

On 1-12-2010, over-excavation beneath the dispenser areas #1 through #6 to the east and west of the UST's ensued. Suspect petroleum contaminated soils (PCS) were removed and placed on plastic. Confirmatory soil samples were collected at depths ranging from 36" to 84" as PID and visual dictated. All of the six excavation areas were relatively small and approximately 3' X3'. Stained and odorous soils appeared to be quite localized with the exception of area #6. Excavation at area #6 was approximately 4'x5' and to a depth of 84". There appeared to be a 1' lens of discolored soils to the south and east. Soil samples were collected from the south and east walls at 5 & 6' depths. These two samples were held pending the owners decision to continue over-excavation or possibly close the Site under Risk Based Management guidelines. Again all soil samples collected were analyzed via TPH-Dx. All were non-detect with the exception of soils at area #2 and #6.

On January 13th CAESCO returned to the Site in order to continue over-excavation of areas #2 and #6. Area #2 was excavated to approximately 6'x8' and to a depth of 6' where visual and PID readings did not detect PCS. A soil sample was collected from the bottom at 6' and also at the south bottom wall at 6'.

Over-excavation continued at area #6 bottom where prior analysis had revealed 3550 parts per million (ppm) diesel. For the most part only sandy loam soils were noted during the sub-surface excavation but at an approximate depth of 8' clay was noted. Soils were excavated to a depth of 9' at the west side of area #6 where a confirmatory soil sample was collected.

Clean surface soils to the east and south were removed and side cast to a depth of approximately 5-6' in order to remove the lens of PCS. A small piece of empty PVC pipe was noted running east and west at a depth of 5'. The completed excavation encompassed an approximate area of 10' x 12' and to a depth of 9'. The discolored lens was no longer visible. Confirmatory soil samples were collected from the south wall at 5' and from the east wall at 6' where the lens had previously been visible. Soils appeared to be cleaning up. All were analyzed via TPH-Dx and all were non-detect. (reference enclosed site map) Petroleum contaminated soils were hauled off site for disposal to Hillsboro Landfill. The area was backfilled with clean imported fill.

SITE LOCATION & DESCRIPTION

The Site address is 12005 N Burgard Way, Multnomah County, Portland, OR 97203. (Township 2 north, Range 1 west, Section 35) The 20.13 parcel is located to the immediate east of N. Burgard Way and to the immediate west of N. Columbia Boulevard within an area of industrial business establishments. The Site is zoned Industrial; general use as per Portland maps.

BACKGROUND

The 20.13 acre parcel is developed as a concrete block warehouse structure with ample A.C. parking and entirely fenced. The structure was built by Schnitzer Steel in 1980. The fueling system was developed in 1989 and consisted of (1) 20,000 gallon diesel, & (2) 6,000 gallon gas double wall fiberglass reinforced plastic (FRP) underground storage tanks (UST's) for the fueling of Schnitzer trucks. The Site is currently owned by Lampros Steel who purchased the Site from Schnitzer approximately five years ago. The Site was also leased to Metro Steel during an interim period before the property transfer. Schnitzer Steel however, remains the responsible party (RP) for the UST's.

REGIONAL AND LOCAL GEOLOGY AND HYDROGEOLOGY

The Site is located at an altitude of approximately 58 feet above mean sea level ("msl") elevation. The visual topography at the Site is predominantly level with a slight slope towards the north. General topographic gradient at the Site is north as per USGS information. Annual precipitation is 40-45 inches. The site is also listed within 50' of the 100 year flood plain. During sub-surface exploration, soils were observed to be silty sand for most of the area excavated but in one area clays were noted at an approximate depth of 8'.

A review of local water well logs, and USGS Professional Paper 1424-A (Geologic Framework of the Willamette Lowland Aquifer System, Oregon and Washington) has shown the the Willamette Aquifer is over 300 feet thick directly beneath the site. The aquifer consists of inter-bedded sands and gravels with occasional clay discontinuous beds of up to 6 feet thick.

Groundwater was noted at a depth of approximately 11', and flows to the north-northwest roughly parallel to the river. In conversation with Larry Snodgrass; long time employee of Schnitzer Steel, he stated that the Site does have a well that was used for filling the water trucks and located approximately 100' south of the UST's. A review of WRD water well logs has identified the logs of six wells for this address that have been drilled and one well abandonment. Four of the six 12-inch diameter wells were drilled in 1944 and were reported to be used for domestic, industrial and manufacturing. These wells were all drilled to 90 feet

and cased to 80 feet. In 1973, and 8-inch diameter well was drilled down to a depth of 258 feet. The final well drilled on this site was completed in 2007 to a depth of 150 feet. This well also has a 12-inch diameter casing. There is also a well abandonment report for a 12-inch well that was reported in 2000. (Please reference attached well logs)

TECHNICAL INFORMATION

Sampling and Analytical Methods

A total of twenty-five soil samples were collected by CAESCO at the site. The first round of sampling included a total of twelve soil samples; eight from beneath the eight dispensers that were located over pipe runs, four soil samples from the soil/water interface within the UST pit area and an additional two soil samples collected from the pit bottom (which were held pending soil and water results.) All were initially analyzed via TPH-HCID. All of the soil samples from within the excavation pit area were non-detect for gas, diesel and heavy oils. The water sample that was collected from within the excavation pit after it had re-charged was analyzed via TPH-Dx, TPH-Gx, 8260B & PAH. All analysis on water was non-detect for all constituents so the additional two soil samples collected from the pit bottom were not analyzed. The pit area appeared clean as per lab analysis.

Soil samples analyzed from beneath dispensing points #1 through #6 were all detect for diesel only. Dispensing points #7 & 8 were non-detect for gas, diesel and heavy oils. Samples from dispensing points #1-#6 were quantified via TPH-Dx. Dispenser area #1 revealed 844 parts per million (ppm) diesel; dispenser #2 revealed 5520ppm diesel; dispenser #3 revealed 4690 ppm diesel; dispenser #4 revealed 3560 ppm diesel; dispenser #5 revealed 700 ppm diesel and dispenser #6 revealed 14,500ppm diesel.

After over-excavation beneath each of the six dispensing points an additional six confirmatory soil samples were collected and analyzed via TPH-Dx. All were non-detect with the exception of samples at dispenser #2 and #6. Additional soils were excavated from the two areas and five confirmatory soil samples were collected and analyzed via TPH-Dx. All were non-detect.

A new pair of latex gloves was used for each sample. Samples were collected into pre-cleaned glass jars with Teflon lined lids. Sample jars were filled as full as possible to limit head space. Soil samples were transported on ice accompanied by chain of custody documentation to Wy'East Environmental Sciences, Portland, Oregon for analytical testing.

Conclusions:

The source of a diesel release at the Site appears to have come from six of the eight dispensing points associated with the UST system. Upon removal of (1) 20,000 gallon gas and (2) 6,000 gallon diesel UST's the tanks were noted to be in good condition and without holes or perforations. Water entered the tank pit and approximately 4200 gallons of water was pumped out by Cowlitz Clean Sweep for off site disposal. The pit area did recharge. A Registered Geologist was called in to collect a water sample from the pit and oversee soil sample collection from the pit area. All analysis on water and soil samples from the pit area revealed non-detect for all constituents. Areas associated with the six dispensers were over-excavated on two separate occasions and confirmatory soil samples collected. Final confirmatory soil samples analyzed via TPH-Dx all revealed non-detect. The over-excavated areas were backfilled with clean imported fill material. Approximately 55.43 tons of PCS were hauled off site for disposal to Hillsboro Landfill.

On behalf of our clients we respectfully request Site closure under "Soil Matrix" guidelines.

Regards,

Kay Thompson
CAESCO Inc.

Tim O'Gara
R.G.

REGISTERED PROFESSIONAL GEOLOGIST
OREGON
TIMOTHY F. O'GARA
G1246

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND STORAGE TANK PROGRAM

Initial (Twenty Day) Report Form for UST Cleanup Projects

This report is due twenty (20) days from the date of the release.

DEQ USTC File No. 26-10-0019

DEQ Facility ID No. 26-6293-2009-OPER

Site Name: Schnitzer Steel Products Co.

Site Address: 12005 N Burgard Way, Portland, OR 97203

INITIAL CLEANUP INFORMATION

(1) Type of contamination (check √ all that apply):

☐ Gasoline ☑ Diesel ☐ Waste Oil ☐ Heating Oil
☐ Other (specify) _____

(2) Estimate quantity of release (based on information known to date – ● select only one):

● <100 gal ○ 100-499 gal. ○ 500-999 gal. ○ 1,000-5,000 gal. ○ >5,000 gal.

SITE INFORMATION (check √ yes or √ no)

(3) ☑ Y ☐ N Did any water enter the excavation? If yes, please describe and identify the depth to groundwater in feet below ground surface: [illegible]

(4) ☐ Y ☑ N Was a sheen or odor observed on any water in the excavation?

Note: If groundwater is encountered, soil samples from the soil/water interface must be collected and analyzed for BTEX and by the appropriate TPH method.

At sites where diesel or other non-gasoline products have been released, the water may also have to be screened or tested for polynuclear aromatic hydrocarbons (PAHs) *Please refer to OAR 340-122-0218.*

(5) ☐ Y ☑ N Was water pumped from the excavation?

☐ Y ☐ N If yes, did groundwater recharge within 24 hours after pumping?

Please describe the pumping procedure and disposal option selected for the purged excavation water:

Not Applicable

(6) ☑ Y ☐ N Were any water samples collected from the excavation? If yes, please describe:

Water samples were taken and analyzed for TPH-Dx and TRI-Ox. Sample results for both were Not Detected for water samples

(7) ☑ Y ☐ N Have any soil and/or water sample results been received at this time?

If so, please attach any lab reports.

IF GROUNDWATER HAS BEEN ENCOUNTERED, PLEASE ANSWER QUESTIONS #8-13, BELOW.
IF NO WATER HAS BEEN ENCOUNTERED, PLEASE SKIP TO QUESTION #14

(8) What are the known uses of groundwater within a 500-foot radius of the release site (check √ all that apply)?
☐ non-use ☑ industrial ☐ agricultural ☐ drinking supply

(9) If groundwater in this area is being used as a drinking water supply, please check √ the type and size of population served by the supply:
☐ Community (community well used for drinking water year round – • select only one)
size: ○ <1,000 people ○ 1,000 - 5,000 people ○ >5,000 people
☐ Intermittent use (public water used for drinking water only on a part-time basis – • select only one)
size: ○ <50 people ○ 50 - 300 people ○ > 300 people
☐ Private wells (individual private well or wells used for drinking water – • select only one)
size: ○ <10 people ○ 10 - 25 people ○ >25 people

(10) ☐ Y ☑ N Is there any evidence the water supply has been or is likely to be impacted from the petroleum product release? If yes, estimate how difficult it would be to replace the existing supply:
☐ bottled water is the only alternative
☐ on-site water treatment; bulk water delivery; new wells are available
☐ able to connect to existing water supply
☐ do not know what alternatives would be available

(11) ☐ Y ☑ N Are vapors present in on-site or nearby buildings? If yes:
A Are you monitoring and/or mitigating any potential fire and safety hazards posed by vapors and free product? *Explain:* Not Applicable
B. Estimate the number of people potentially affected by vapors – • select only one:
○ 1-2 people ○ 3-10 people ○ >10 people

(12) ☐ Y ☑ N Are vapors or is petroleum contamination present in the utility corridors?
If yes, please explain: Not Applicable

(13) ☐ Y ☑ N Are natural areas located within 1/4 mile of the site? If so, please describe types (parks, rivers, wetlands, sensitive habitats, etc.) and proximity:
Not Applicable

(14) ☑ Y ☐ N If groundwater was not encountered in the excavation, do you believe that this cleanup project can be conducted under the requirements for an UST Cleanup Matrix site? If yes, then refer to OAR 340-122-0305 through 0350.

AREA/SITE CONDITIONS:

(15) Mean annual rainfall: ○ <20 inches ◉ 20-45 inches ○ >45 inches

(16) Soil type(s) of the naturally occurring soils, not the backfill around the tank – ◉ select only one

○ clays, compact till, shales, and unfractured metamorphic and igneous rocks

○ sandy loams, loamy sands, silty clays, clay loams, moderately permeable limestone, dolomite, sandstones, moderately fractured igneous and metamorphic rock

◉ fine and silty sands, sands and gravels, highly fractured igneous and metamorphic rock, permeable basalts and lavas, karst limestones and dolomites

SOIL MANAGEMENT

(17) If soil sample results have been received

☑ Y ☐ N Will the level of contamination detected require removal of contaminated soil for treatment or disposal?

(18) All contaminated soil temporarily stockpiled on-site prior to treatment or disposal must be contained within a bermed area, kept covered, and the entire area secured to prevent unauthorized access by the public. If you haven't done this, please explain why:

Not Applicable

Note: It is a violation to stockpile petroleum contaminated soil (PCS) on-site for greater than 30 days without a DEQ Solid Waste Letter Authorization (SWLA) Permit.

(19) If contaminated soil is currently stockpiled on-site, please indicate when disposal will occur or when treatment will begin: _____

(20) Estimated volume of contaminated soil (specify tons or cubic yards): 5 tons

(21) Intended disposition of soils (please ◉ select only one):

○ On-site/off-site treatment. Solid Waste Letter Authorization Permit Application attached.

○ Thermal treatment off-site at an authorized facility.
Facility name: _____

◉ Landfill disposal.
Name of Landfill: Waste Management - Hillsboro

Note: Please attach additional information as necessary to explain any unusual circumstances associated with this project.

Initial (Twenty Day) Report Form for UST Cleanup Projects

This initial report is intended to provide the Department with the basic initial information about activities associated with the release. Future reports should provide a more detailed and complete picture of the cleanup project.

Please be aware that a DEQ permit/authorization is required for the following activities:

1) Soil aeration, bioremediation (on-site or off-site), or on-site thermal treatment.

2) Water discharges to a stream/storm drain from the excavation or treatment tank.

If these activities will be included in your cleanup project, contact the regional DEQ office for the appropriate application forms, information on permit fees and guidance documents.

THIS REPORT WAS PREPARED BY:

Individual: Corey Bailey Date: 1/27/10

Company: Schnitzer Steel Products Co. Phone: 503-737-6948

Address: 12005 N Burgard Way

PO Box 10047

City: Portland State: OR Zip: 97296

1. Please return this form to the regional office in which the site is located. If you have questions, call the contact person in your regional office.

2. For all tanks, except heating oil tanks, you must submit an *UST Decommissioning Checklist and Site Assessment Report* to the appropriate regional office within 30 days of the UST decommissioning. Failure to do so can result in delays to your project and may result in continued billing for the annual tank permit fees.

3. Addresses and phone numbers for the regional offices can be found in the *UST Cleanup Manual* or viewed and downloaded from this DEQ Webpage: http://www.deq.state.or.us/about/locations.htm

4. Copies of the *UST Cleanup Manual* and other UST program forms and checklists can be viewed and downloaded from DEQ's Website: http://www.deq.state.or.us/lq/tanks/ust/index.htm

or in the Portland area by calling Steve Pelko at 503-229-6652

or outside the Portland area leaving a message on the UST Help Line (toll-free in Oregon) at 1-800-742-7878

KEEP A COPY OF THIS REPORT FOR YOUR FACILITY RECORDS

MATRIX CHECKLIST

_x___ 1. The release of petroleum has been reported to the Department of Environmental Quality (220)

_x___ 2. The Matrix Score Sheet has been completed for this site, unless the site is cleaned up to the most stringent cleanup level (320)

_x___ 3. The required hydrocarbon identification test (TPH-HCID) has been performed (335(3)), and, if detectable levels were found, the appropriate analytical method or methods have been used to measure the levels of contamination (350).

_ x__ 4. A sketch has been made of this site (345(1)) which clearly shows:

__x__ a. The location of all buildings and other key features, both man-made and natural;

__x__ b. The names of adjacent streets and properties;

__x__ c. The location of all excavations including those that were for the removal of tanks and associated piping as well as those that were strictly for the removal of contaminated soils;

__x__ d. The location of all product storage tanks, lines and dispensers, including those that were decommissioned as well as those that remain on the site; and

__x__ e. All soil and water sample locations.

N/A__ 5. If any contaminated soil in excess of matrix limits has been left on site, the reason for leaving this soil has been explained and the requirements of 355(4) have been met.

_N/A____6. If water was present in the tank pit, the Department was notified, the water was pumped from the pit, and the requirements of 340(4) have been met.

__x__ 7. All soil and/or water samples have been collected, coded, stored and shipped as specified in the rules, and proper chain-of-custody forms have been filled out (345)

N/A__ 8. If a release from a waste oil tank was discovered, at least one sample has been analyzed by the methods specified in 350(5).

N/A__ 9. If a tank was decommissioned in place, the Department gave prior approval for a site-specific sampling plan (340(5)).

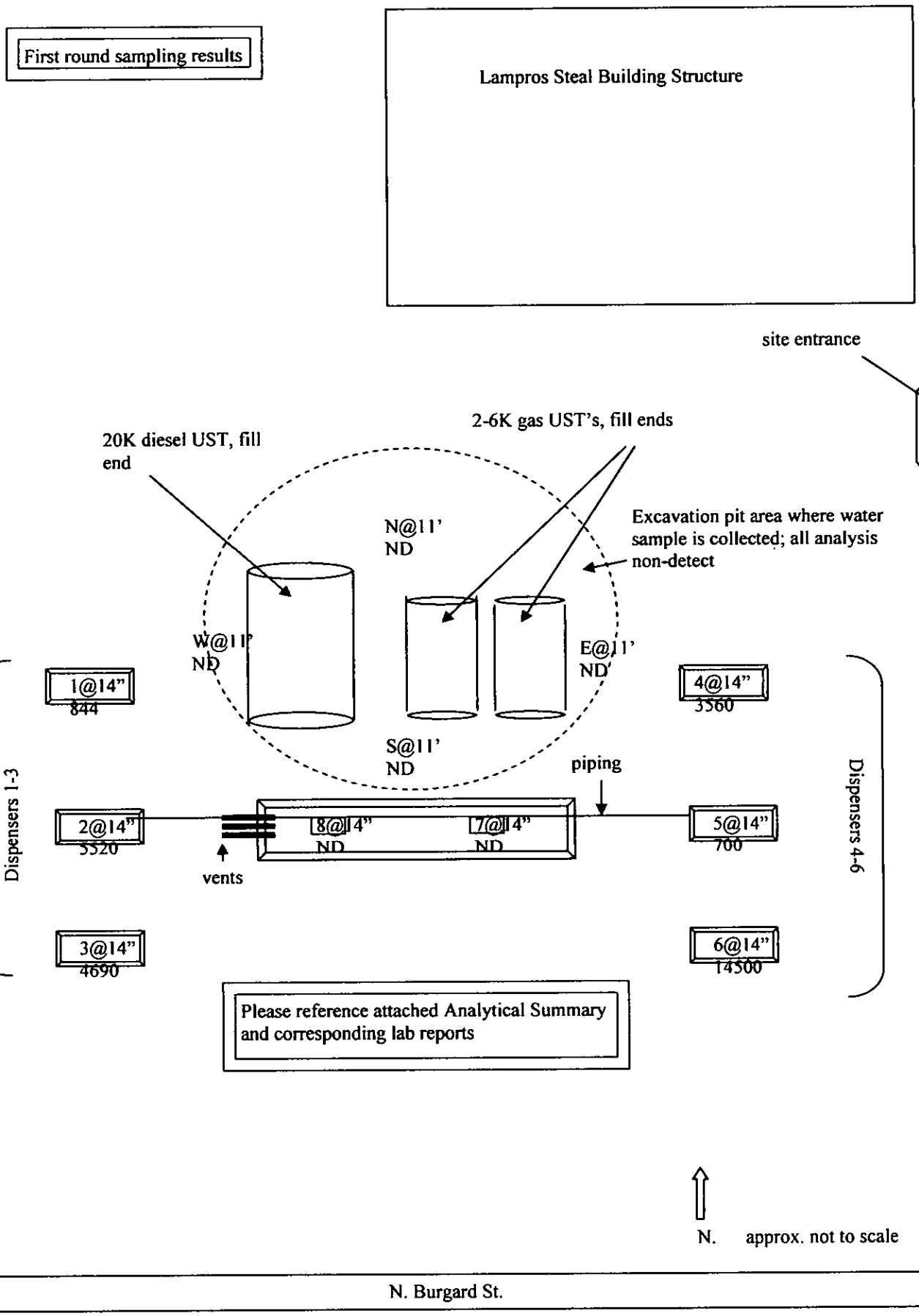
_x__10. A report has been prepared which includes a detailed description of everything that was observed and performed at the site, contains all of the information required by the rules (360), and presents findings and recommendations which are consistent with Departmental regulations.

MATRIX SCORE SHEET TO DETERMINE OREGON DEQ CLEAN-UP LEVELS

1.	Depth to Groundwater		
	< 25 feet	(10)	
	25 - 50 feet	(7)	10
	51-100 feet	(4)	
	> 100 feet	(1)	
2.	Mean Annual Precipitation		
	> 45 inches	(10)	
	20 - 45 inches	(5)	10
	< 20 inches	(1)	
3.	Native Soil Type		
	Coarse sands, gravels	(10)	
	Silts, fine sands	(5)	5
	Clays	(1)	
4.	Sensitivity of Uppermost Aquifer		
	Sole Source	(10)	
	Current Potable	(7)	7
	Future Potable	(4)	
	Non-potable	(1)	
5.	Potential Receptors		
	Many, near	(10)	
	Medium	(5)	10
	Few, far	(1)	
	TOTAL SCORE	=	**42**

Matrix Score	**Cleanup Level in ppm TPH**	
	Gasoline	**Diesel**
Level 1: >40 pts.	40	100
Level 2: 25 - 40 pts.	80	500
Level 3: <25 pts.	130	1000

Schnitzer Steel
Site Sampling Map
12005 N Burgard Way
Portland, Or 97203
Facility ID# 6299



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Site Sampling Map
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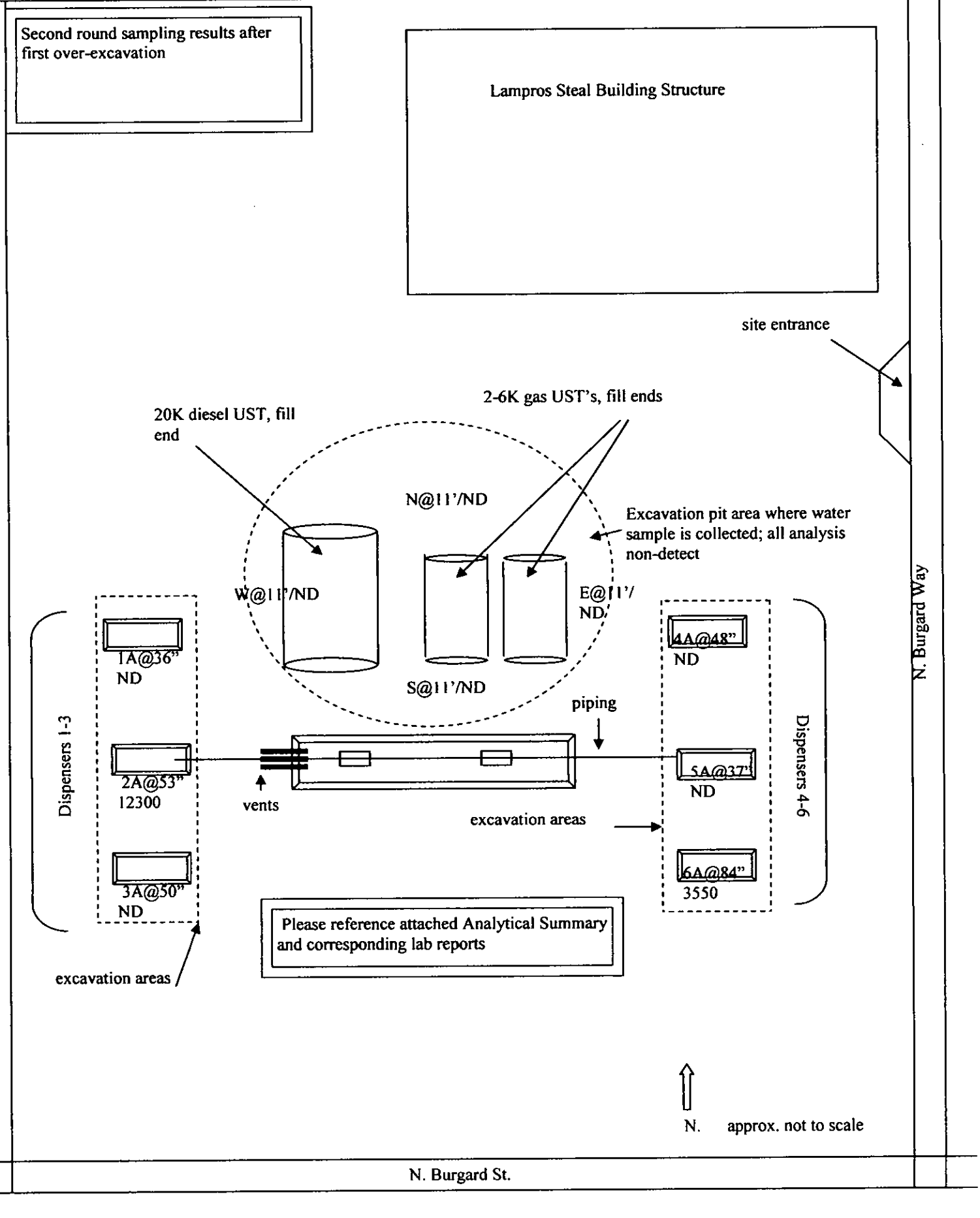

Schnitzer Steel
Site Sampling Map
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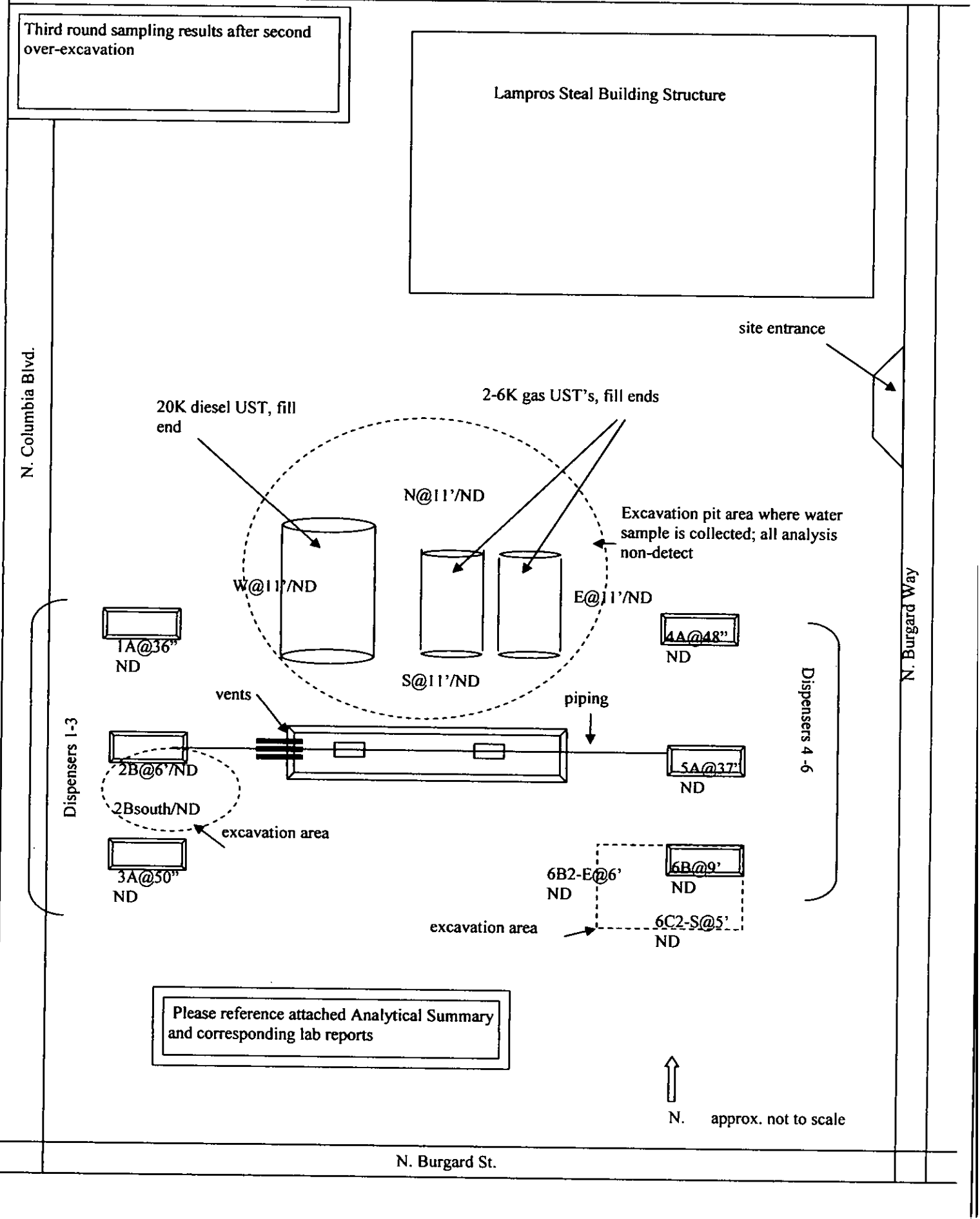


Analytical Summary
Schnitzer Steel
12005 N. Burgard Way
Portland, OR 97203

First round sampling results

Soils

Lab Report #	Method	Field ID	Gas	Diesel	Heavy Oils	Quantification via TPH-Dx Results
76322	HCID	1@14"	ND	Detected	ND	844 ppm
		2@14"	ND	Detected	ND	5520 ppm
		3@14"	ND	Detected	ND	4690 ppm
		5@14"	ND	Detected	ND	700 ppm
		6@14"	ND	Detected	ND	14,500 ppm
		7@14"	ND	ND	ND	
		8@14"	ND	ND	ND	
		N@11'	ND	ND	ND	
		S@11'	ND	ND	ND	
		E@11'	ND	ND	ND	
		W@11'	ND	ND	ND	
76341		4@14"	ND	Detected	ND	3560 ppm

Water

Lab Report #	Method		Gas	Diesel
76322	TPH-Dx	pit water		ND
	TPH-Gx	pit water	ND	
	PAH	pit water	All constituents ND via PAH	
	8260	pit water	All constituents ND via 8260	

Second round sampling results after first over-excavation

Soils

Lab Report #	Method	Field ID	Diesel
76416	TPH0Dx	1A@36"	ND
		2A@53"	12,300
		3A@50"	ND
		4A@48"	ND
		5A@37"	ND
		6A@84"	3550

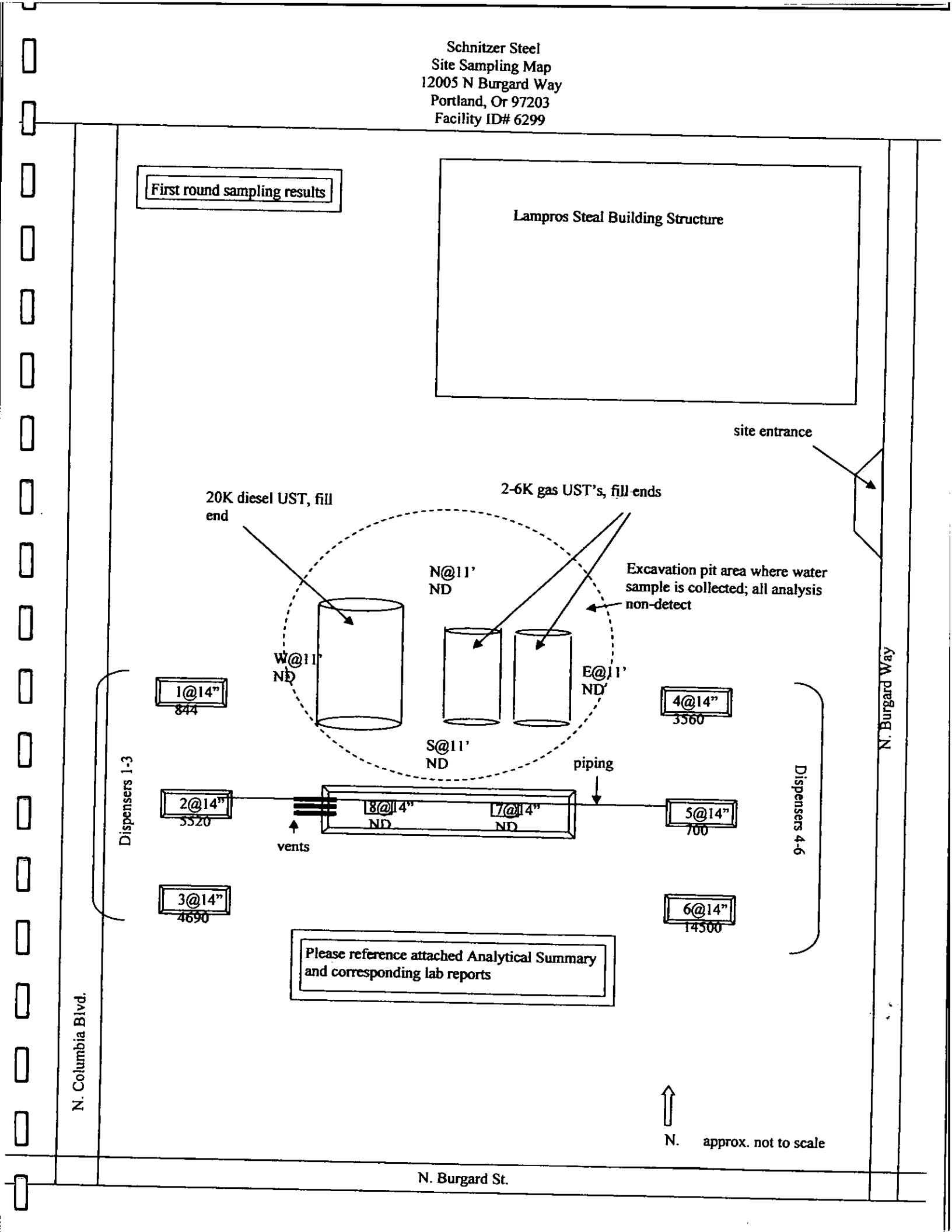
Third round sampling results after second over-excavation

Soils

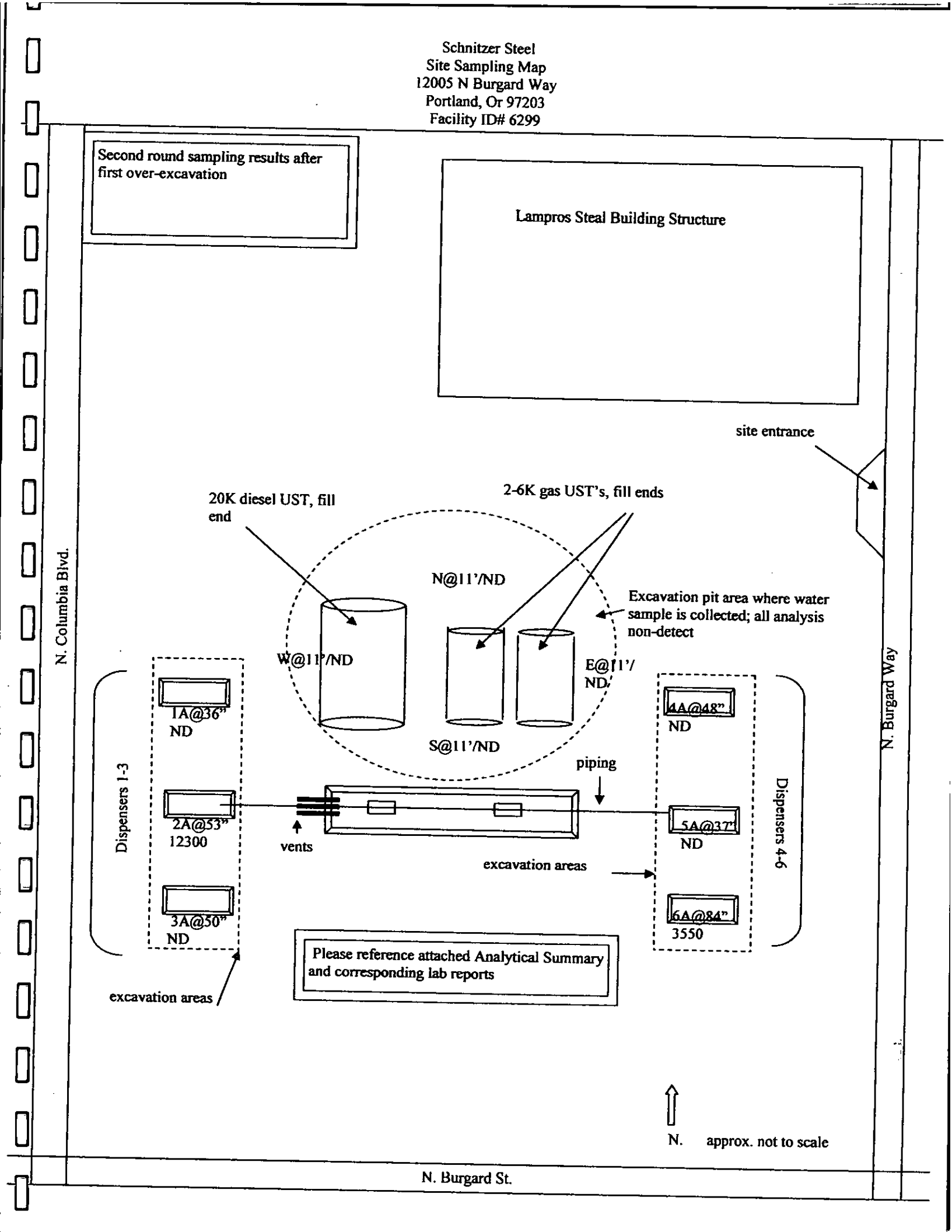
Lab Report #	Method	Field ID	Diesel
76433	TPH0Dx	6B@9'	ND
		6C2-S@5'	ND
		6B2-E@6'	ND
		2B@6'	ND
		2B South	ND

All soil results in mg/Kg
All water results in mg/L
ND=non-detect

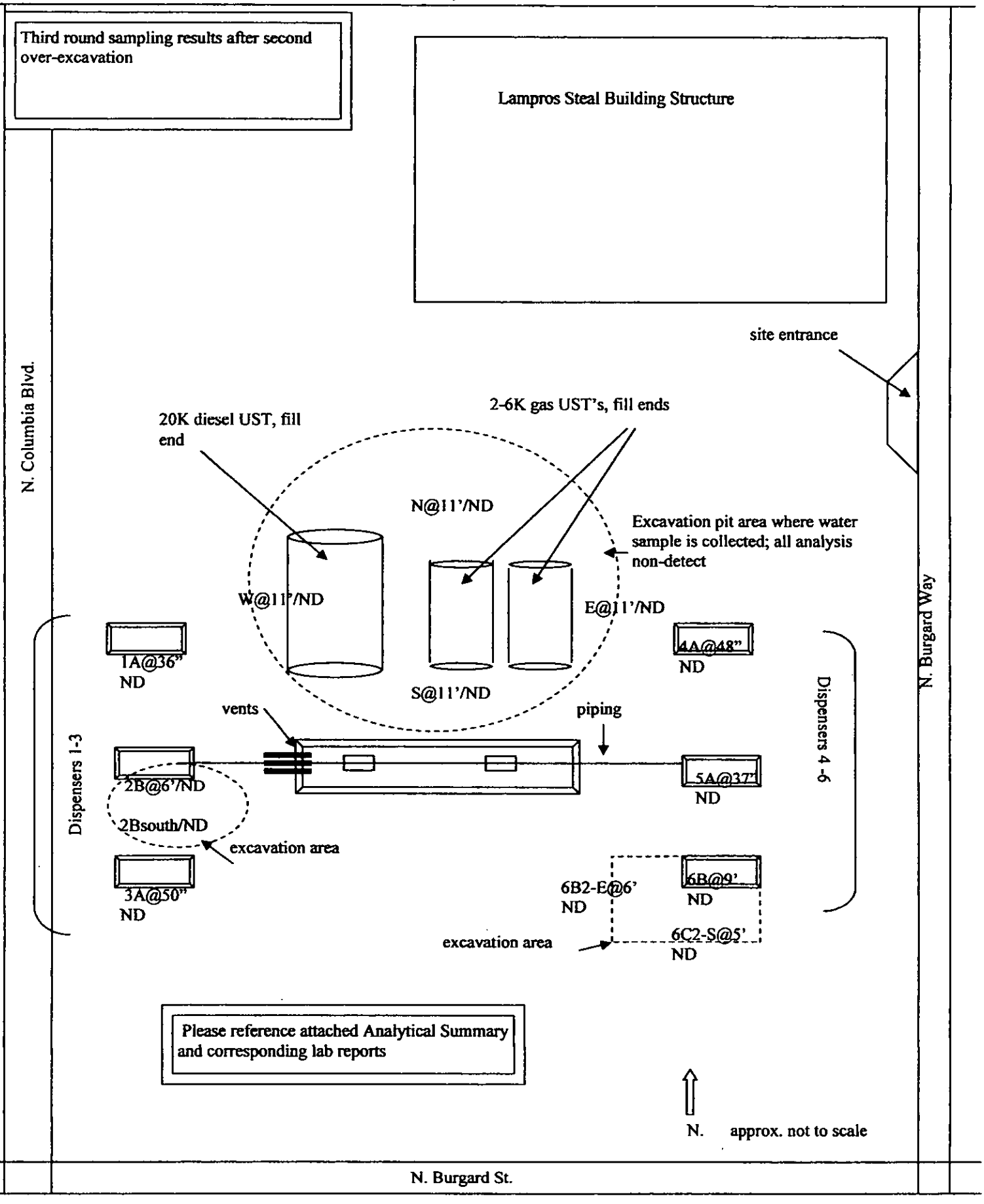
Schnitzer Steel
Site Sampling Map
12005 N Burgard Way
Portland, Or 97203
Facility ID# 6299



Schnitzer Steel
Site Sampling Map
12005 N Burgard Way
Portland, Or 97203
Facility ID# 6299



Schnitzer Steel
Site Sampling Map
12005 N Burgard Way
Portland, Or 97203
Facility ID# 6299



Analytical Summary
Schnitzer Steel
12005 N. Burgard Way
Portland, OR 97203

First round sampling results

Soils

Lab Report #	Method	Field ID	Gas	Diesel	Heavy Oils	Quantification via TPH-Dx Results
76322	HCID	1@14"	ND	Detected	ND	844 ppm
		2@14"	ND	Detected	ND	5520 ppm
		3@14"	ND	Detected	ND	4690 ppm
		5@14"	ND	Detected	ND	700 ppm
		6@14"	ND	Detected	ND	14,500 ppm
		7@14"	ND	ND	ND	
		8@14"	ND	ND	ND	
		N@11'	ND	ND	ND	
		S@11'	ND	ND	ND	
		E@11'	ND	ND	ND	
		W@11'	ND	ND	ND	
76341		4@14"	ND	Detected	ND	3560 ppm

Water

Lab Report #	Method		Gas	Diesel
76322	TPH-Dx	pit water		ND
	TPH-Gx	pit water	ND	
	PAH	pit water	All constituents ND via PAH	
	8260	pit water	All constituents ND via 8260	

Second round sampling results after first over-excavation

Soils

Lab Report #	Method	Field ID	Diesel
76416	TPH0Dx	1A@36"	ND
		2A@53"	12,300
		3A@50"	ND
		4A@48"	ND
		5A@37"	ND
		6A@84"	3550

Third round sampling results after second over-excavation

Soils

Lab Report #	Method	Field ID	Diesel
76433	TPH0Dx	6B@9'	ND
		6C2-S@5'	ND
		6B2-E@6'	ND
		2B@6'	ND
		2B South	ND

All soil results in mg/Kg
All water results in mg/L
ND=non-detect

Wy'East Environmental Sciences, Inc.
2415 SE 11th Ave. Portland Oregon 97214

CHAIN OF CUSTODY

Report Number 76322

Phone(503) 231-9320 FAX(503) 231-9344

Company: CAESCO	Phone: 503-492-0977		
Project #: 919	FAX: 503-665-0348		
Project Name: Schnitzer Steel	Purchase Order #:		
Site: 12005 N Burgard Way Port	Report Attention: Kay T	Collected By: Kay T / Tim O	
Samples: Temperature 17 On Ice? (Yes) No	Turnaround Time: [X] Regular [ ] 3-5 Business Days		

Comments:

LAB ID	Field ID	Sampling Date	Sampling Time	Matrix	Container	Volume	NW-TPH-Dx	NW-TPH-GX	NW-TPH-HCID	EPA 8021B (BTEX)	EPA 8270 SIM (PAH)	EPA 8260B	Analysis Requested
B1447	Pit Water	1-4-10	10:30	WTR	Jars VOAs	2LTR	X	X				X	PAH
B1448	1 @ 14	1-4-10	10:35	SOIL	JAR	4oz			X				
B1449	2 @ 14		10:39						X				
B1450	3 @ 14		10:43						X				
B1451	5 @ 14		10:48						X				
B1452	6 @ 14		10:52						X				
B1453	7 @ 14		10:55						X				
B1454	8 @ 14		11:00						X				
B1455	N @ 11		11:10						X				
B1456	S @ 11		11:17						X				
B1457	E @ 11		11:23						X				
B1458	W @ 11		11:34						X				

Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
Kay Thompson	CAESCO	1-4-10		W		1/4/10	1200
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

SITE NAME: Schmitzer Steel
SITE LOCATION: 12005 N Burgard Way
PROJECT NUMBE 919

REPORT NUMBER: 76322
REPORT DATE: 1/5/10

NW-TPHHCID
Analytes: Gasoline, Diesel and Heavy Oil range petroleum Identification

Field ID	LAB ID	Gasline (mg/Kg)	Diesel (mg/Kg)	Heavy Oil (mg/Kg)	Surrogate Recovery (%)	AB	PB	Sampling Date
1 @ 14	B1448	ND	Detected	ND	*	78FL100104-1	D100104-1	1/4/2010
2 @ 14	B1449	ND	Detected	ND	*	78FL100104-1	D100104-1	1/4/2010
3 @ 14	B1450	ND	Detected	ND	*	78FL100104-1	D100104-1	1/4/2010
5 @ 14	B1451	ND	Detected	ND	*	78FL100104-1	D100104-1	1/4/2010
6 @ 14	B1452	ND	Detected	ND	*	78FL100104-1	D100104-1	1/4/2010
7 @ 14	B1453	ND	ND	ND	116%	78FL100104-1	D100104-1	1/4/2010
8 @ 14	B1454	ND	ND	ND	125%	78FL100104-1	D100104-1	1/4/2010
N @ 11	B1455	ND	ND	ND	119%	78FL100104-1	D100104-1	1/4/2010
S @ 11	B1456	ND	ND	ND	121%	78FL100104-1	D100104-1	1/4/2010
E @ 11	B1457	ND	ND	ND	121%	78FL100104-1	D100104-1	1/4/2010
W @ 11	B1458	ND	ND	ND	111%	78FL100104-1	D100104-1	1/4/2010
Reporting Limit:	--	20	50	100				

Surrogate is 1-ChloroOctadecane
*Surrogate Peak Obscured by Analyte Interference

Results relate only to samples

Chemist Initials: C.Y. Chan

Quality Control for NWTPH-HCID

Batch Date: 1/4/10

QC Blank Sample Number	PB	Gas Result (mg/Kg)	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	Blank CONTROL	Surrogate Recovery	Surrogate Control
SBLANK1	D100104-	0	0	0	PASS	108%	PASS

CCV Gas Sample Number	Analytical Batch	Gas Result	Gasoline CCV CONTROL
GAS	78FL100104-1	Detected	PASS

CCV Diesel Sample Number	Analytical Batch	Diesel Result	Diesel CCV CONTROL
DXCCV1	78FL100104-1	Detected	PASS

CCV Oil Sample Number	Analytical Batch	Oil Result	% Difference	CCV Control Limit (%)	Oil CCV CONTROL
OILCCV1	78FL100104-1	Detected			PASS

QC LCS Sample Number	PB	Diesel Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	LCS Spike CONTROL	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSD1	D100104-1	376.40	357.14	105%	±30%	PASS	119%	50%-150%

QC LCS Sample Number	PB	Oil Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	LCS Spike CONTROL	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSO1	D100104-1	379.82	357.14	106%	±30%	PASS	114%	50%-150%

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

SITE NAME: Schmitzer Steel
SITE LOCATION: 12005 N Burgard Way
PROJECT NUMBER: 919

REPORT NUMBER: 76322
REPORT DATE: 1/5/10

NW-TPHDx
Analytes: Total Diesel and Heavy Oil range petroleum in Soil

Field ID	LAB ID	Diesel (mg/Kg)	Heavy Oil (mg/Kg)	Surrogate Recovery (%)	AB	PB	Sampling Date
1 @ 14	B1448	844	ND	*	78F100104-1	D100104-1	1/4/2010
2 @ 14	B1449	5520	ND	*	78F100104-1	D100104-1	1/4/2010
3 @ 14	B1450	4690	ND	*	78F100104-1	D100104-1	1/4/2010
5 @ 14	B1451	700	ND	*	78F100104-1	D100104-1	1/4/2010
6 @ 14	B1452	14500	ND	*	78F100104-1	D100104-1	1/4/2010
Reporting Limit:	—	50	100				

Surrogate is 1-ChloroOctadecane
*Surrogate Peak Obscured by Analyte Interference

Results relate only to samples

Chemist Initials: C.Y Chan

Quality Control for NWTPH-Dx

Batch Date: 1/4/2010

QC Blank Sample Number	PB	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	Blank Control Limits Diesel (mg/Kg)	Blank Control Limits Oil (mg/Kg)	Surrogate Recovery	Blank Surrogate Control Limit (%)
SBLANK1	D100104-1	0	0	50	100	108%	50%-150%

QC LRB Sample Number	AB	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	LRB Control Limit Diesel (mg/Kg)	LRB Control Limit Oil (mg/Kg)	Surrogate Recovery	LRB Surrogate Control Limit (%)

CCV Diesel Sample Number	Analytical Batch	Measured Concentration in extract (ug/mL)	Theoretical Concentration (ug/mL)	% Difference	CCV Control Limit (%)
DXCCV1	78F100104-1	471.19	500	-5.76%	±20%
DXCCV2	78F100104-1	480.73	500	-3.85%	±20%

CCV Oil Sample Number	Analytical Batch	Measured Concentration in Extract (ug/mL)	Theoretical Concentration in Extract (ug/mL)	% Difference	CCV Control Limit (%)
OILCCV1	78F100104-1	391.41	400	-2.15%	±20%
OILCCV2	78F100104-1	393.73	400	-1.57%	±20%

Diesel QC LCS Sample Number	PB	Diesel Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSD1	D100104-1	354.16	357.14	99%	±30%	119%	50%-150%
SLCSD2	D100104-2	366.43	357.14	103%	±30%	142%	50%-150%

Oil QC LCS Sample Number	PB	Oil Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSO1	D100104-1	349.07	357.14	98%	±30%	114%	50%-150%
SLCSO2	D100104-2	348.99	357.14	98%	±30%	115%	50%-150%

CHAIN OF CUSTODY

Report Number 76341

WyEast
Environmental Sciences, Inc.
2415 SE 11th Ave. Portland Oregon 97214
Phone(503) 231-9320 FAX(503) 231-9344

Company: CAESCO	Phone: 503-492-0977		
Project #: 919	FAX: 503-665-0348		
Project Name: SCHNITZER STEEL	Purchase Order #		
Site: 1205 N BURGARD WAY PTLD	Report Attention: Kay T	Collected By: Kay T	
Samples: Temperature 17.5 On Ice? Yes / No	Turnaround Time: ☒ Regular ☐ 3-5 Business Days		

LAB ID	Field ID	Sampling Date	Sampling Time	Matrix	Container	Volume	NW-TPH-Dx	NW-TPH-GX	NW-TPH-HCID	EPA 8021B (BTEX)	EPA 8270 SIM (PAH)	EPA 8260B	Comments / Analysis Requested
B1665	4@14	1-5-10	2:15	SOIL	JAR	4oz			X				

Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
Kay T	CAESCO	1-5-10				1/5/10	3P.
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

SITE NAME: Schnitzer Steel
SITE LOCATION: 12005 N Burgard Way
PROJECT NUMBE 919

REPORT NUMBER: 76341
REPORT DATE: 1/6/10

NW-TPHHCID
Analytes: Gasoline, Diesel and Heavy Oil range petroleum Identification

Field ID	LAB ID	Gasline (mg/Kg)	Diesel (mg/Kg)	Heavy Oil (mg/Kg)	Surrogate Recovery (%)	AB	PB	Sampling Date
4 @ 14	B1665	ND	Detected	ND	*	78FL100105-1	D100105-1	1/5/2010
Reporting Limit:	–	20	50	100				

Surrogate is 1-ChloroOctadecane
*Surrogate Peak Obscured by Analyte Interference

Results relate only to samples

Chemist Initials: C.Y. Chan

Quality Control for NWTPH-HCID

Batch Date: 1/5/10

QC Blank Sample Number	PB	Gas Result (mg/Kg)	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	Blank CONTROL	Surrogate Recovery	Surrogate Control
SBLANK1	D100105-	0	0	0	PASS	116%	PASS

CCV Gas Sample Number	Analytical Batch	Gas Result	Gasoline CCV CONTROL
GAS	7EFL100105-1	Detected	PASS

CCV Diesel Sample Number	Analytical Batch	Diesel Result	Diesel CCV CONTROL
DXCCV1	7EFL100105-1	Detected	PASS

CCV Oil Sample Number	Analytical Batch	Oil Result	% Difference	CCV Control Limit (%)	Oil CCV CONTROL
OILCCV1	7EFL100105-1	Detected			PASS

QC LCS Sample Number	PB	Diesel Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	LCS Spike CONTROL	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSD1	D100105-1	368.04	357.14	103%	±30%	PASS	148%	50%-150%

QC LCS Sample Number	PB	Oil Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	LCS Spike CONTROL	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSO1	D100105-1	366.19	357.14	103%	±30%	PASS	116%	50%-150%

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

SITE NAME: Schnitzer Steel
SITE LOCATION: 12005 N Burgard Way
PROJECT NUMBER: 919

REPORT NUMBER: 76341
REPORT DATE: 1/6/10

NW-TPHDx
Analytes: Total Diesel and Heavy Oil range petroleum in Soil

Field ID	LAB ID	Diesel (mg/Kg)	Heavy Oil (mg/Kg)	Surrogate Recovery (%)	AB	PB	Sampling Date
4 @ 14	B1665	3560	ND	*	78F100105-1	D100105-1	1/5/2010
Reporting Limit:	—	50	100				

Surrogate is 1-ChloroOctadecane
*Surrogate Peak Obscured by Analyte Interference

Results relate only to samples

Chemist Initials: C.Y Chan

Quality Control for NWTPH-Dx

Batch Date: 1/5/2010

QC Blank Sample Number	PB	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	Blank Control Limits Diesel (mg/Kg)	Blank Control Limits Oil (mg/Kg)	Surrogate Recovery	Blank Surrogate Control Limit (%)
SBLANK1	D100105-1	0	0	50	100	116%	50%-150%
WBLANK	D100105-1	0.00	0.00	0.08	0.5	131%	50%-150%
SBLANK2	D100105-2	0	0	50	100	127%	50%-150%

QC LRB Sample Number	AB	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	LRB Control Limit Diesel (mg/Kg)	LRB Control Limit Oil (mg/Kg)	Surrogate Recovery	LRB Surrogate Control Limit (%)

CCV Diesel Sample Number	Analytical Batch	Measured Concentration in extract (ug/mL)	Theoretical Concentration (ug/mL)	% Difference	CCV Control Limit (%)
DXCCV1	78F100105-1	496.51	500	-0.70%	±20%
DXCCV2	78F100105-1	488.96	500	-2.21%	±20%

CCV Oil Sample Number	Analytical Batch	Measured Concentration in Extract (ug/mL)	Theoretical Concentration in Extract (ug/mL)	% Difference	CCV Control Limit (%)
OILCCV1	78F100105-1	383.60	400	-4.10%	±20%
OILCCV2	78F100105-1	378.31	400	-5.42%	±20%

Diesel QC LCS Sample Number	PB	Diesel Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSD1	D100105-1	341.05	357.14	95%	±30%	148%	50%-150%
SLCSD2	D100105-2	367.66	357.14	103%	±30%	114%	50%-150%

Oil QC LCS Sample Number	PB	Oil Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSO1	D100105-1	334.95	357.14	94%	±30%	116%	50%-150%
WLCSO	D100105-1	232.73	289.13	80%	±30%	135%	50%-150%
SLCSO2	D100105-2	333.62	357.14	93%	±30%	117%	50%-150%

7641 6

CHAIN OF CUSTODY

Report Number _____

Environmental Sciences, Inc.
2415 SE 11th Ave. Portland Oregon 97214
Phone(503) 231-9320 FAX(503) 231-9344

Company: CAESCO	Phone: 503-492-0977		
Project #: 919	FAX: 503-665-0345		
Project Name: SCHNITZER STEEL	Purchase Order #		
Site: ~~12005~~ N. Burgard Way PTLD	Report Attention: Kay T	Collected By: Kay T	
Samples: Temperature 13 On Ice? Yes / No	Turnaround Time: ☒ Regular ☐ 3-5 Business Days		

LAB ID	Field ID	Sampling Date	Sampling Time	Matrix	Container	Volume	NW-TPH-Dx	NW-TPH-GX	NW-TPH-HCID	EPA 8021B (BTEX)	EPA 8270 SIM (PAH)	EPA 8260B	Comments / Analysis Requested
B2209	1A @ 36"	1-12-10	10:35	SOIL	JAR	4oz	X						
B2210	2A @ 53"		10:50				X						
B2211	3A @ 50"		11:00				X						
B2212	4A @ 48"		11:15				X						
B2213	5A @ 31"		11:28				X						
B2214	6A @ 84"		11:45				X						
B2215	6B @ 72"		11:49				X						HOLD FOR NOW
B2216	6C @ 60"		11:53				X						HOLD FOR NOW

Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
Kay Thompson	CAESCO	1-12-10		W		1/12/10	12:15 pm
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

SITE NAME: Schnitzer Steel
SITE LOCATION: 12005 N. Burgard Way
PROJECT NUMBER: 919

REPORT NUMBER: 76416
REPORT DATE: 1/13/10

NW-TPHDx
Analytes: Total Diesel and Heavy Oil range petroleum in Soil

Field ID	LAB ID	Diesel (mg/Kg)	Heavy Oil (mg/Kg)	Surrogate Recovery (%)	AB	PB	Sampling Date
1 A @ 36"	B2209	ND	ND	101%	78F1001-12-1	D100112-1	1/12/2010
2 A @ 53"	B2210	12300	ND	*	78F1001-12-1	D100112-1	1/12/2010
3 A @ 50"	B2211	ND	ND	95%	78F1001-12-1	D100112-1	1/12/2010
4 A @ 48"	B2212	ND	ND	98%	78F1001-12-1	D100112-1	1/12/2010
5 A @ 37"	B2213	ND	ND	100%	78F1001-12-1	D100112-1	1/12/2010
6 A @ 84"	B2214	3550	ND	90%	78F1001-12-1	D100112-1	1/12/2010
Reporting Limit:	—	50	100				

Surrogate is 1-ChloroOctadecane
*Surrogate Peak Obscured by Analyte Interference

Results relate only to samples

Chemist Initials: C.Y Chan

Quality Control for NWTPH-Dx

Batch Date: 1/12/2010

QC Blank Sample Number	PB	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	Blank Control Limits Diesel (mg/Kg)	Blank Control Limits Oil (mg/Kg)	Surrogate Recovery	Blank Surrogate Control Limit (%)
SBLANK1	D100112-1	0	0	50	100	96%	50%-150%
SBLANK2	D100112-1	0	0	50	100	101%	50%-150%

CCV Diesel Sample Number	Analytical Batch	Measured Concentration in extract (ug/mL)	Theoretical Concentration (ug/mL)	% Difference	CCV Control Limit (%)
DXCCV1	78F1001-12-1	482.61	500	-3.48%	±15%
DXCCV2	78F1001-12-1	495.46	500	-0.91%	±15%

CCV Oil Sample Number	Analytical Batch	Measured Concentration in Extract (ug/mL)	Theoretical Concentration in Extract (ug/mL)	% Difference	CCV Control Limit (%)
OILCCV1	78F1001-12-1	391.60	400	-2.10%	±15%
OILCCV2	78F1001-12-1	372.01	400	-7.00%	±15%

Diesel QC LCS Sample Number	PB	Diesel Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSDO1	D100112-1	369.98	357.14	104%	±30%	107%	50%-150%
SLCSDO2	D100112-1	329.19	357.14	92%	±30%	107%	50%-150%

Oil QC LCS Sample Number	PB	Oil Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSDO1	D100112-1	326.71	357.14	91%	±30%	107%	50%-150%
SLCSDO2	D100112-1	397.76	357.14	111%	±30%	107%	50%-150%

WyEast
Environmental Sciences, Inc.
2415 SE 11th Ave. Portland Oregon 97214

CHAIN OF CUSTODY

Report Number 76433

Phone(503) 231-9320 FAX(503) 231-9344

Company: CAESCO	Phone: 503-492-0977
Project #: 919	FAX: 503-665-0348
Project Name: SCHNITZER STEEL	Purchase Order #:
Site: 12005 N. Burgard Way Ptld	Report Attention: Kay T / Collected By: Kay T
Samples: Temperature 17 On Ice? (Yes) No	Turnaround Time: [X] Regular [ ] 3-5 Business Days

Comments:

LAB ID	Field ID	Sampling Date	Sampling Time	Matrix	Container	Volume	NW-TPH-Dx	NW-TPH-GX	NW-TPH-HCID	EPA 8021B (BTEX)	EPA 8270 SIM (PAH)	EPA 8260B	Analysis Requested
B2338	6B @ 9'	1-13-10	11:18	Soil	Jar	4oz	X						
B2339	6C2-S @ 5'		12:00				X						
B2340	6B2-E @ 6'		12:10				X						
B2341	2B @ 6'		12:30				X						
B2342	2B South		12:40				X						

Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
Kay Thompson	CAESCO	1-13-10		[signature]		1/13/10	1215

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

SITE NAME: Schnitzer Steel
SITE LOCATION: 12005 N. Burgard Way
PROJECT NUMBER: 919

REPORT NUMBER: 76433
REPORT DATE: 1/14/10

NW-TPHDx
Analytes: Total Diesel and Heavy Oil range petroleum in Soil

Field ID	LAB ID	Diesel (mg/Kg)	Heavy Oil (mg/Kg)	Surrogate Recovery (%)	AB	PB	Sampling Date
6 B @ 9'	B2338	ND	ND	95%	78F1001-13-1	D100113-1	1/13/2010
6 C2-S @ 5'	B2339	ND	ND	94%	78F1001-13-1	D100113-1	1/13/2010
6 B2 - E @ 6'	B2340	ND	ND	96%	78F1001-13-1	D100113-1	1/13/2010
2 B @ 6'	B2341	ND	ND	105%	78F1001-13-1	D100113-1	1/13/2010
2 B South	B2342	ND	ND	94%	78F1001-13-1	D100113-1	1/13/2010
Reporting Limit:	—	50	100				

Surrogate is 1-ChloroOctadecane

Results relate only to samples

Chemist Initials: C.Y. Chan

Quality Control for NWTPH-Dx

Batch Date: 1/13/2010

QC Blank Sample Number	PB	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	Blank Control Limits Diesel (mg/Kg)	Blank Control Limits Oil (mg/Kg)	Surrogate Recovery	Blank Surrogate Control Limit (%)
SBLANK1	D100113-1	0	0	50	100	99%	50%-150%
WBLANK	D100113-1	0.00	0.00	0.08	0.5	102%	50%-150%
SBLANK2	D100113-2	0	0	50	100	102%	50%-150%

CCV Diesel Sample Number	Analytical Batch	Measured Concentration in extract (ug/mL)	Theoretical Concentration (ug/mL)	% Difference	CCV Control Limit (%)
DXCCV1	78F1001-13-1	492.32	500	-1.54%	±15%
DXCCV2	78F1001-13-1	499.72	500	-0.06%	±15%

CCV Oil Sample Number	Analytical Batch	Measured Concentration in Extract (ug/mL)	Theoretical Concentration in Extract (ug/mL)	% Difference	CCV Control Limit (%)
OILCCV1	78F1001-13-1	398.69	400	-0.33%	±15%
OILCCV2	78F1001-13-1	394.45	400	-1.39%	±15%

Diesel QC LCS Sample Number	PB	Diesel Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSDO1	D100113-1	392.05	357.14	110%	±30%	113%	50%-150%
WLCS	D100113-1	354.39	359.46	99%	±30%	138%	50%-150%
SLCSDO2	D100113-2	363.80	357.14	102%	±30%	118%	50%-150%

Oil QC LCS Sample Number	PB	Oil Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSDO1	D100113-1	336.68	357.14	94%	±30%	113%	50%-150%
WLCS	D100113-1	325.35	359.46	91%	±30%	138%	50%-150%
SLCSDO2	D100113-2	422.95	357.14	118%	±30%	118%	50%-150%

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

SITE NAME: Schmitzer Steel
SITE LOCATION: 12005 N Burgard Way
PROJECT NUMBER: 919

REPORT NUMBER: 76322
REPORT DATE: 1/6/10

NW-TPHDx
Analytes: Total Diesel and Heavy Oil range petroleum in water

Field ID	LAB ID	Diesel (mg/L)	Heavy Oil (mg/L)	Surrogate Recovery (%)	AB	PB	Sampling Date
Pit Water	B1447	ND	ND	128%	78F100105-1	D100105-1	1/4/2010
Reporting Limit:	--	0.08	0.5				

Surrogate is 1-ChloroOctadecane

Results relate only to samples

Chemist Initials: C.Y Chan

Quality Control for NWTPH-Dx

Batch Date: 1/5/2010

QC Blank Sample Number	PB	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	Blank Control Limits Diesel (mg/Kg)	Blank Control Limits Oil (mg/Kg)	Surrogate Recovery	Blank Surrogate Control Limit (%)
SBLANK1	D100105-1	0	0	50	100	116%	50%-150%
WBLANK	D100105-1	0.00	0.00	0.08	0.5	131%	50%-150%
SBLANK2	D100105-2	0	0	50	100	127%	50%-150%

QC LRB Sample Number	AB	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	LRB Control Limit Diesel (mg/Kg)	LRB Control Limit Oil (mg/Kg)	Surrogate Recovery	LRB Surrogate Control Limit (%)

CCV Diesel Sample Number	Analytical Batch	Measured Concentration in extract (ug/mL)	Theoretical Concentration (ug/mL)	% Difference	CCV Control Limit (%)
DXCCV1	78F100105-1	496.51	500	-0.70%	±20%
DXCCV2	78F100105-1	488.96	500	-2.21%	±20%

CCV Oil Sample Number	Analytical Batch	Measured Concentration in Extract (ug/mL)	Theoretical Concentration in Extract (ug/mL)	% Difference	CCV Control Limit (%)
OILCCV1	78F100105-1	383.60	400	-4.10%	±20%
OILCCV2	78F100105-1	378.31	400	-5.42%	±20%

Diesel QC LCS Sample Number	PB	Diesel Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSD1	D100105-1	341.05	357.14	95%	±30%	148%	50%-150%
SLCSD2	D100105-2	367.66	357.14	103%	±30%	114%	50%-150%

Oil QC LCS Sample Number	PB	Oil Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSO1	D100105-1	334.95	357.14	94%	±30%	116%	50%-150%
WLCSO	D100105-1	232.73	289.13	80%	±30%	135%	50%-150%
SLCSO2	D100105-2	333.62	357.14	93%	±30%	117%	50%-150%

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

PROJECT NAME: Schmitzer Steel
SITE LOCATION: 12005 N Burgard Way
PROJECT NUMBER: 919

REPORT NUMBER: 76322
REPORT DATE: 1/5/2010
PAGE: 1 of 1

NW-TPHGx
Analytes: Gasoline in Water

Field ID	LAB ID	Gasoline (µg/L)	Surrogate Recovery (%)	Analytical Batch	Sampling Date
Pit Water	B1447	ND	100%	58PI100104-1	1/4/2010
Reporting Limit:	--	100			

Surrogate is p-Bromofluorobenzene

This is a NELAP accredited method
Results relate only to samples

Chemist Initials: C.Y Chan

2415 SE 11th Ave., Portland, OR 97214
Phone (503) 231-9320 FAX (503) 231-9344

Quality Control for Gasoline in Water by NWTPH-Gx

Batch Date: 1/4/2010

Calibration Verification	Analytical Batch	Result (µg/L)	Theoretical Result (µg/L)	Percent Difference	Acceptable Range
CCVLCS	58PI100104-1	954	1,000	5%	±20%
CCV2	58PI100104-1	924	1,000	8%	±20%

Matrix Blank	Analytical Batch	Result (µg/L)	Theoretical Result (µg/L)	Surrogate Recovery	Surrogate Acceptable Range
WBLANK	58PI100104-1	35	<100	89%	50%-150%

Matrix Spike	Analytical Batch	Result (µg/L)	Theoretical Result (µg/L)	Percent Recovery	Acceptable Range
CCVLCS	58PI100104-1	954	1,000	95%	70%-130%

2415 SE 11th Ave., Portland, OR 97214

Phone (503) 231-9320 FAX (503) 231-9344

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

PROJECT NAME:	Schmitzer Steel	**REPORT NUMBER**	76322
SITE LOCATION:	12005 N Burgard Way	**REPORT DATE:**	1/6/10
PROJECT NUMBER:	919	**EXTRACTION DA1**	P1/5/2010
RUN DATE	1/5/10	**ACQ. ON:**	5Jan2010 8:32p
FIELD ID:	Pit Water	**LAB ID:**	B1447W

Oregon PAH GC/MS-SIM
Analyte: Polynuclear Aromatic Hydrocarbon (PAH's) in Water

Compound	Sample (ug/L)	Quant. Limit (ug/L)	Qualifier	Dilution
Naphthalene	ND	0.1		1
Acenaphthylene	ND	0.1		1
Acenaphthene	ND	0.1		1
Fluorene	ND	0.1		1
Phenanthrene	ND	0.1		1
Anthracene	ND	0.1		1
Fluoranthene	ND	0.1		1
Pyrene	ND	0.1		1
Benzo(a)anthracene	ND	0.1		1
Chrysene	ND	0.1		1
Benzo(b)Fluoranthene	ND	0.1		1
Benzo(k)fluoranthene	ND	0.1		1
Benzo(a)pyrene	ND	0.1		1
Indeno(1,2,3-cd)pyrene	ND	0.1		1
Dibenzo(a,h)anthracene	ND	0.1		1
Benzo(ghi)perylene	ND	0.1		1

Surrogate:	Percent Recovery
1-chloro-octadecane	145

Chemist Initials: Aye

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

PROJECT NAME: Schmitzer Steel
SITE LOCATION: 12005 N Burgard Way
PROJECT NUMBER: 919
LAB ID: B1447
FIELD ID: Pit Water

INSTRUMENT SolaTek
REPORT NUMBER: 76322
REPORT DATE: 1/5/10
RUN DATE: 4Jan20109:22pm
PREP. BATCH: V100104
ANAL. BATCH: 8260100104-1
ANALYST: jmm

EPA 8260C
Analyte: Volatile Organics in Water

Compound	Sample (ug/L)	Report. Limit (ug/L)	Qualifier	Dilution Factor
benzene	ND	0.30		1
bromobenzene	ND	2		1
bromochloromethane	ND	2		1
bromodichloromethane	ND	2		1
bromoform	ND	2		1
2-butanone	ND	15	g, k,	1
n-butylbenzene	ND	2		1
sec-butylbenzene	ND	2		1
tert-butylbenzene	ND	2		1
chlorobenzene	ND	2		1
chloroethane	ND	2		1
chloroform	ND	2		1
chloromethane	ND	2		1
2-chlorotoluene	ND	2		1
4-chlorotoluene	ND	2		1
dibromochloromethane	ND	2		1
1,2dibromo3-chloropropane	ND	2		1
1,2-dibromoethane	ND	0.10		1
dibromomethane	ND	2		1
1,2-dichlorobenzene	ND	2		1
1,3-dichlorobenzene	ND	2		1
1,4-dichlorobenzene	ND	2		1
1,1-dichloroethane	ND	2		1
1,2-dichloroethane	ND	0.10		1
1,1-dichloroethene	ND	2		1
cis-1,2-dichloroethene	ND	2		1
trans-1,2-dichloroethene	ND	2		1
1,2-dichloropropane	ND	2		1
1,3-dichloropropane	ND	2		1
1,1-dichloropropene	ND	2		1
cis-1,3-dichloropropene	ND	2		1

FIELD ID: Pit Water **LAB ID:** B1447

EPA 8260C

Analyte: Volatile Organics in Water

Compound	Sample (ug/L)	Report. Limit (ug/L)	Qualifier	Dilution Factor
trans-1,3-dichloropropene	ND	2		1
ethylbenzene	ND	1		1
hexachlorobutadiene	ND	2		1
2-hexanone	ND	15		1
isopropylbenzene	ND	2		1
p-Isopropyltoluene	ND	2		1
methyl-tert-butylether(MTBE)	ND	2		1
4-methyl-2-pentanone	ND	15		1
naphthalene	ND	0.25		1
n-propyl-benzene	ND	2		1
styrene	ND	2		1
1,1,1,2-tetrachloroethane	ND	2		1
1,1,2,2-tetrachloroethane	ND	2		1
tetrachloroethylene	ND	2		1
toluene	ND	1		1
1,2,3-trichlorobenzene	ND	2		1
1,2,4-trichlorobenzene	ND	2		1
1,1,1-trichloroethane	ND	2		1
1,1,2-trichloroethane	ND	2		1
trichloroethene	ND	2		1
trichlorofluoromethane	ND	2		1
1,2,3-trichloropropane	ND	2		1
1,2,4-trimethlybenzene	ND	2		1
1,3,5-trimethylbenzene	ND	2		1
vinyl chloride	ND	2		1
xylene(m&p)	ND	2		1
o-xylene	ND	2		1
total xylenes	ND	2		1

Surrogate:	1,2-dichloroethane-d4	toluene-d8	p-bromofluorobenzene
Percent Recovery	96	89	97
Analyst			

g - CCV fails this compound low, result should be considered an estimate

k - LCS fails this compound low, result should be considered an estimate

Results relate only to samples

2415 SE 11th Ave., Portland, OR 97214
Phone (503) 231-9320 FAX (503) 231-9344

Site Photos prior to Decommissioning Activities

View of Site During Decommissioning Activities

Groundwater enters the pit and is pumped and does recharge

Over-excavation of PCS Lens to south and east at dispenser area #6

The area is over-excavated– Lens is no longer visible

Over-Excavated area near Dispenser #2

Generator's Non-hazardous Waste Profile Sheet

Requested Disposal Facility HILLSBORO Profile Number

☐ Renewal for Profile Number _____ Waste Approval Expiration Date _____

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: SCHNITZER STEEL
2. Site Address: 12005 N. BURGARD WAY
3. City/ZIP: PORTLAND 97203
4. State: OR
5. County: MULT.
6. Contact Name/Title: ANDY
7. Email Address: _____
8. Phone: 503-286-6962 9. FAX: _____
10. NAICS Code: _____
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ☒ same as above

P. O. Number: _____

1. Customer Name: CAESCO
2. Billing Address: POB 430
3. City, State and ZIP: FAIRVIEW OR 97024
4. Contact Name: KAY THOMPSON
5. Contact Email: CAESCOINC@AOL.COM
6. Phone: 503-492-0977 FAX: 503-665-0348
7. Transporter Name: TBD
8. Transporter ID # (if appl.): _____
9. Transporter Address: _____
10. City, State and ZIP: _____

C. Waste Stream Information

1. DESCRIPTION

a. Common Waste Name: DIESEL AFFECTED SOIL
State Waste Code(s): _____

b. Describe Process Generating Waste or Source of Contamination:

UST DECOMMISSIONING

c. Typical Color(s): DK GREY

d. Strong Odor? ☒ Yes ☐ No Describe: _____

e. Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____

f. Layers? ☐ Single layer ☐ Multi- layer ☒ NA

g. Water Reactive? ☐ Yes ☒ No If Yes, Describe: _____

h. Free Liquid Range (%): _____ to _____ ☒ NA(solid)

i. pH Range: ☐ ≤2 ☐ 2.1-12.4 ☐ ≥12.5 ☒ NA(solid) ☐ Actual: _____

j. Liquid Flash Point: ☐ < 140°F ☐ ≥ 140°F ☒ NA(solid) ☐ Actual: _____

k. Flammable Solid: ☐ Yes ☒ No

l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☐ (See Attached)

Constituents *(Total Composition Must be > 100%)*	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1.				
2.				
3.				
4.				
5.				
6.				

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION

a. ☒ One Time Event ☐ Base ☐ Repeat Event

b. Estimated Annual Quantity: 30 ☒ Tons ☐ Cubic Yards ☐ Drums ☐ Gallons ☐ Other (specify): _____

c. Shipping Frequency: _____ Units per ☐ Month ☐ Quarter ☐ Year ☒ One Time ☐ Other

d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☒ No

e. USDOT Shipping Description (if applicable): _____

3. SAFETY REQUIREMENTS (Handling, PPE, etc.): _____

Generator's Non-hazardous Waste Profile Sheet

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☒ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☒ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☒ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☒ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☒ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☐ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☒ No
   a. If yes, is disposal regulated under TSCA? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☒ No
7. Does the waste contain asbestos? ☐ Yes ☒ No If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☒ No
   If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☒ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☒ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: LAB REPORT 76341-10 B1665, 76322-10 #B1446, B1449, B1450, B1451, B1452 # Pages: 4
   - ☒ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☐ Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
   - ☒ I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☒ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

Certification Signature: Kay Thompson Title: Pres

Company Name: CAESCO Inc Name (Print): KAY THOMPSON

Date: 1-19-10

FOR WM USE ONLY

Management Method: ☐ Landfill ☐ Bioremediation Approval Decision: ☐ Approved ☐ Not Approved

☐ Non-hazardous solidification ☐ Other: _____ Waste Approval Expiration Date: _____

Management Facility Precautions, Special Handling Procedures or Limitation on approval: _____

☐ Shall not contain free liquid

☐ Shipment must be scheduled into disposal facility

☐ Approval Number must accompany each shipment

☐ Waste Manifest must accompany load

WM Authorization Name / Title: _____ Date: _____

State Authorization (if Required): _____ Date: _____

WASTE MANAGEMENT, INC ...NON HAZARDOUS WASTE DISPOSAL SOLUTIONS FOR THE PACIFIC NORTHWEST

Hillsboro Landfill, Inc.

3205 SE MINTER BRIDGE ROAD HILLSBORO, OR 97123

PERMIT # 103734OR

Tracking Number 13571

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated __ _____.

EXPIRES: 4/20/2010

GENERATOR: SCHNITZER STEEL	
DESCRIPTION: *PCS - DIESEL*	**TONS:** *100*
☐ SPECIAL WASTE ☒ CS ☐ C&D ☐ CLEAN-UP	
LOCATION: *PORTLAND, OREGON 12005 N. BURGARD WAY*	**COUNTY:** *Multnomah*
CONTACT: *KAY THOMPSON*	**PHONE:** *503-492-0977*
	FAX: *503-665-0348*

BILLING: *Landfill account CAESCO, INC.*	**PO#:**	**JOB#:** *N/A*

We accept business checks, cash, VISA / Mastercard or charge(with prior approval)

SPECIAL HANDLING : *NOTE:*	
MK	**TyT**

APPROVED: KC *KRISTIN CASTNER* DATE: *01/25/10 8:52:12 AM*

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

THERE IS A MINIMUM CHARGE OF $50-$60 FOR EACH LOAD OF SPECIAL WASTE

WASTE MANAGEMENT

HAZARDOUS WASTE IS STRICTLY PROHIBITED

Customer Name (Site)	Ticket In (Date/Time)	Ticket No	Profile Nm (Site)	Material Nm - Ticket	Tons
CONSTANDENVS	1/26/2010 13:50	1232356	103734OR	Cont Soil Pet-RGC-To	12.98
CONSTANDENVS	1/27/2010 11:14	1232410	103734OR	Cont Soil Pet-RGC-To	6.75
CONSTANDENVS	1/26/2010 11:46	1232342	103734OR	Cont Soil Pet-RGC-To	11.29
CONSTANDENVS	1/26/2010 8:34	1232299	103734OR	Cont Soil Pet-RGC-To	13.46
CONSTANDENVS	1/27/2010 8:59	1232383	103734OR	Cont Soil Pet-RGC-To	10.95
				TOTALS:	**55.43**

Headquarters
4150 N. Suttle Road
Portland, Oregon 97217
Phone 503-286-8352
Toll Free 800-367-8894
EPA# ORD980975692

ORRCO Oil Re-Refining Company®

Regional Offices	
Hoquiam, WA:	EPA# WAD988519419
Klamath Falls, OR:	EPA# ORD980980775
Kennewick, WA:	EPA# WAH000011577
Medford, OR:	EPA# ORD987197092
North Bend, OR:	EPA# ORD980978266
Salt Lake City, UT:	EPA# UTD982589459
Spokane, WA:	EPA# WAH000011585

LADING 22 ...

Date: 12-28-09 Customer ID Number: [illegible]

Dispatch #: 153

Generator

Name: [redacted] Contact Person: Phone: 7227 07
Address: [illegible] City: Portland State: ... Zip: County: Mult

Billing Address

Petroleum Comp...

Checks: PO#:

Profile Date: [illegible]

Transportation

Consigned To: Fuel Processors
Destination: 4150 N Suttle Rd Portland
Via Carrier: Orrco
Driver: [illegible] Truck # 1566 Miles Run:

Load Ticket #

Gal./Brl.	Description	Sniffer P / F	CDT / HCDT	pH	Flash Point	Rate per Gal./Brl.	Rate per Hour	Charge
197	Spent fuel (Diesel/gas)	F	0 ppm		340			
	mixed with [illegible]							
	used oil in 3 tanks							
	✓ [redacted] [illegible]							
	[illegible]							

Above material being transported for Recycling | EPA# | **Total:**

Customer warrants that the waste petroleum products being transferred by the above collector do not contain any contaminants including, without limitation pesticides, chlorinated solvents at concentrations greater than 1000 PPM, PCBs at concentrations greater than 2 PPM (or 50 PPM with Analytical), or any other material classified as hazardous waste by 40 CFR part 261, Subparts C and D (implementing the federal Resource Conservation and Recovery Act), or by any equivalent state hazardous substance classification program. Should Laboratory tests find this waste not in compliance with 40 CFR Part 261, customer (generator) agrees to pay for all disposal costs incurred.

SIGNED X [signature] DATE: 12...

Petroleum Constructors Inc. Office 503.722.0707
P O Box 328 Troutdale, OR 97060 ccb# 116728 Fax 503.722.0909

UST Receipt

The tank(s) described below has been used as an Underground Storage Tank (UST) for petroleum hydrocarbons:

TANK DESCRIPTION: (1) 20,000-gallon diesel and (2) 8,000-gallon gasoline tanks
ORIGINAL OWNER: Schnitzer Steel
TANK LOCATION: 12005 N. Burgard Road
Portland OR 97203
TANK CONTENTS: see above
DATE OF REMOVAL: 12.29.09

The following precautions should be observed:

TANK HAS CONTAINED PETROLEUM HYDROCARBONS
NOT VAPOR FREE
NOT SUITABLE FOR STORAGE OF FOOD OR LIQUIDS INTENDED FOR HUMAN OR ANIMAL CONSUMPTION

I have been informed that the above described tank has been used as a part of a petroleum UST system and precautions should be observed regarding the use of said tank(s). I agree to accept full liability regarding the tank(s).

SIGNATURE: Max Hendrix Date: 2/1/2010
PRINT NAME: MAX Hendrix
PROPOSED USE: Water storage (fire protection
USE LOCATION: Stored at Troutdale not in use yet

CCS
A DIVISION OF PNB CORP.

55 International Way
Longview, WA 98632
Office: (360) 423-6316
Fax: (360) 423-3409
24-Hour: 1-888-423-6316
www.ccscorp.com

B.O.L. / FREIGHT BILL 122279

Date 9-28-09 20 09

Customer Chevron / Coff Co
Contact Adam

Site Address 25 Columbia River Hwy
City/State/Zip Clackamas OR

Billing Address
City/State/Zip

Phone
Fax

Generator Chevron	CCS PO#
Receiving Facility Coro PPV0041947	Box #
Operator Decken Sweet / W.O.# Job 8502146 / Truck # 47/54	Received by (TSDF)

Customer warrants that the waste material being transferred by the above collector does not contain any contaminants including, without limitations; pesticides, chlorinated solvents at concentrations greater than 1,000 PPM, PCB's at greater concentrations than 2 PPM (or PPM with manifest), or any other material classified as hazardous by 40 CFR part 261, customer subparts C and D (implementing the Federal Resource Conservation and Recovery Act, or by any equivalent state hazardous waste or hazardous substance classification program). Should laboratory tests find this waste product not in compliance with 40 CFR part 261, customer (generator) agrees to pay for all disposal costs incurred.

Signature X [signature]
Date

Print Name

QUANTITY	DESCRIPTION
4200 gals	ground water (non-Regulated)

A FINANCE CHARGE OF 1.5% per month may be applied to any past due amount. Past due accounts may be placed on C.O.D. without notification. If outside collection action is necessary, purchaser shall pay all costs of collection including reasonable attorney's fees.

EPA ID# WAH000014944 CCB#76140 USDOT 482586

WHITE - TRANSPORTER YELLOW - RECEIVING FACILITY PINK - GENERATOR

Well Log Query Results

Township: 2 N, Range: 1 W, Sections: 35

Well Log	T-R-S/ QQ-Q	Taxlot	Street of Well	Owner	Company	Special Standards	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	Bonded Constructor	Startcard	Well Id #	New	Abandon	Deepen	Alteration	Conversion	Domestic	Irrigation	Community	Livestock	Industrial	Injection	Thermal	Dewatering	Piezometer
MULT_78	2.00N-1.00W-35 SE-SW		12005 N BURGARD		HAWKEYE CONSTRUCTION 12005 N BURGARD PORTLAND OR 97203		M	15.00	25.00	15.0		01/09/1991	02/13/1991	CRISMAN, RANDY L	27399		√														
MULT_79	2.00N-1.00W-35 SE-SW		12005 N BURGARD		HAWKEYE CONSTRUCTION 12005 N BURGARD PORTLAND OR 97203		M	15.00	25.00	15.0		01/09/1991	02/13/1991	CRISMAN, RANDY L	27385		√														
MULT_248	2.00N-1.00W-35 SE-NW		SAINT JOHNS KEELER 2; R OF WAY; 8 RIVERGATE INDUSTRIAL AREA		PORT OF PORTLAND PO BOX 3529 PORTLAND OR 97208		M	5.00	13.50	4.0		05/24/1991	06/05/1991	MCINNIS, GREG GEO-TECH EXPLORATIONS, INC.	30259		√														
MULT_247	2.00N-1.00W-35 SE-NW		SAINT JOHNS KEELER 2; RIGHT OF WAY; 8 RIVERGATE INDUSTRIAL AREA		PORT OF PORTLAND PO BOX 3529 PORTLAND OR 97208		M	5.00	13.50	3.0		05/24/1991	06/05/1991	MCINNIS, GREG GEO-TECH EXPLORATIONS, INC.	30258		√														
MULT_1624	2.00N-1.00W-35				BEALL PIPE AND TANK CORP. 12005 N BURGARD RD PORTLAND OR 97203		W	196.00	220.00	16.0	440.0	01/22/1973	01/29/1973	JANNSEN, EDWARD M A M JANNSEN DRILLING CO.					√							√				
MULT_1625	2.00N-1.00W-35				SCHNITZER LEASING INC. 3300 NW YEON AVE PO BOX 10047 PORTLAND OR 97210		W	124.00	142.00	21.0	75.0	04/11/1979	04/18/1979	MCCONNELL, RONALD F STEINMAN BROTHERS DRILLING CO.			√									√				
MULT_1626	2.00N-1.00W-35 SE-SE			SHENKER, WILLIAM	WILLIAM SHENKER CO.; SHENKER, ELIZABETH 12005 N BURGARD ST PORTLAND OR 97203		W		90.00	30.0	1000.0	12/31/1944	12/31/1944	JANNSEN DRILLING CO.			√					√	√							
MULT_1627	2.00N-1.00W-35 SE-SE			SHENKER, WILLIAM	WILLIAM SHENKER CO.; SHENKER, ELIZABETH 12005 N BURGARD ST PORTLAND OR 97203		W		90.00	30.0	1000.0	12/31/1944	12/31/1944	A JANNSEN DRILLING CO.			√					√	√							
MULT_1628	2.00N-1.00W-35 SE-SE			SHENKER, WILLIAM	WILLIAM SHENKER CO.; SHENKER, ELIZABETH 12005 N BURGARD ST PORTLAND OR 97203		W		90.00	30.0	1000.0			JANNSEN DRILLING CO.			√					√	√							
MULT_1629	2.00N-1.00W-35 NE-SE				UNION CARBIDE PORTLAND OR		W		150.00			12/31/1952	12/31/1952				√									√				

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Well Log Query Results

Township: 2 N, Range: 1 W, Sections: 35

Well Log	T-R-S/ QQ-Q	Taxlot	Street of Well	Owner	Company	Special Standards	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	Bonded Constructor	Startcard	Well Id #	New	Abandon	Deepen	Alteration	Conversion	Domestic	Irrigation	Community	Livestock	Industrial	Injection	Thermal	Dewatering	Piezometer
MULT_1830	2.00N-1.00W-35 NE-SE				UNION CARBIDE PORTLAND OR 97206		W		154.00			12/31/1941	12/31/1941				√									√				
MULT_1831	2.00N-1.00W-35 NE-SE				UNION CARBIDE PORTLAND OR 97206		W		152.00			12/31/1941	12/31/1941				√									√				
MULT_1832	2.00N-1.00W-35 NE-SE			SHENKER, WILLIAM	WILLIAM SHENKER CO.; SHENKER, ELIZABETH 12005 N BURGARD ST PORTLAND OR 97203		W		90.00	30.0	1000.0	12/31/1944	12/31/1944	JANNSEN DRILLING CO.			√					√	√								
MULT_1833	2.00N-1.00W-35 -SE			SHENKER, WILLIAM	WILLIAM ASHENKER CO.; SHENKER, ELIZABETH 12005 N BURGARD ST PORTLAND OR 97206		W		90.00	30.0	1000.0	12/31/1944	12/31/1944	JANNSEN DRILLING CO.			√					√	√								
MULT_3015	2.00N-1.00W-35 NE-NW	24	N LOMBARD ST		PORT OF PORTLAND PO BOX 3529 PORTLAND OR 97206		M	14.00	17.00	14.0		05/08/1992	05/18/1992	VANDEHEY, GREG GREG VANDEHEY SOIL SAMPLING	37454		√															
MULT_3016	2.00N-1.00W-35 NE-NE	24	N LOMBARD ST		PORT OF PORTLAND PO BOX 3529 PORTLAND OR 97206		M		24.80	14.0		05/08/1992	05/18/1992	VANDEHEY, GREG GREG VANDEHEY SOIL SAMPLING	37455		√															
MULT_3200	2.00N-1.00W-35 NE-NW	22	ALSO TAX LOT 25 AND 27		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97203		M	8.00	14.00	8.0		09/02/1992	09/28/1992	MCINNIS, GREG GEO-TECH EXPLORATIONS, INC.	45809		√															
MULT_3398	2.00N-1.00W-35 NE-NW	16	14400 N RIVERGATE BLVD		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97203		M	20.50	25.00	16.3		03/12/1993	03/12/1993	MCINNIS, GREG GEO-TECH EXPLORATIONS, INC.	47931		√															
MULT_3399	2.00N-1.00W-35 NE-NW	16	14408 N RIVERGATE BLVD		OREGON STEEL MILLS 14408 N RIVERGATE BLVD PORTLAND OR 97203		M	25.00	30.00	22.0		03/12/1993	03/24/1993	MCINNIS, GREG GEO-TECH EXPLORATIONS, INC.	47932		√															
MULT_3400	2.00N-1.00W-35 NE-NW	16	14400 N RIVERGATE BLVD		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97203		M	13.00	20.00	9.6		03/12/1993	03/24/1993	MCINNIS, GREG GEO-TECH EXPLORATIONS, INC.	47933		√															

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Well Log Query Results

Township: 2 N, Range: 1 W, Sections: 35

Well Log	T-R-S/ QQ-Q	Taxlot	Street of Well	Owner	Company	Special Standards	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	Bonded Constructor	Startcard	Well Id #	New	Abandon	Deepen	Alteration	Conversion	Domestic	Irrigation	Community	Livestock	Industrial	Injection	Thermal	Dewatering	Piezometer
MULT 3401	2.00N-1.00W-35 NE-NW	16	14400 N RIVERGATE BLVD		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97203		M		17.00	7.7		03/11/1993	03/24/1993	MCINNIS, GREG GEO-TECH EXPLORATIONS, INC.	47934		√													
MULT 3429	2.00N-1.00W-35 SE-NW		9333 N HARBOURGATE		OREGON HYDROCARBON INC. 9333 N HARBOURGATE PORTLAND OR 97283		W	195.00	200.00	20.0	75.0	03/17/1993	04/05/1993	ERLER, RODNEY C CASEY JONES WELL DRILLING CO. INC.; DBA AMERICAN W	52081		√					√								
MULT 4206	2.00N-1.00W-35 SW-NW		12005 N BURGARD ST, PORTLAND		TIME OIL CO. 2737 W COMMODORE WAY SEATTLE WA 98119	√	M	15.00	16.50	15.0		05/31/1994	06/20/1994	NIERMEYER, MICHAEL BRUCE CASCADE DRILLING INC.	65431		√													
MULT 4207	2.00N-1.00W-35 SW-NW		12005 N BURGARD ST, PORTLAND		TIME OIL CO. 2737 W COMMODORE WAY SEATTLE WA 98419	√	M	21.00	30.00	21.0		05/31/1994	06/20/1994	NIERMEYER, MICHAEL BRUCE CASCADE DRILLING INC.	65432		√													
MULT 4208	2.00N-1.00W-35 SW-NW		12005 N BURGARD ST, PORTLAND		TIME OIL CO. 2737 W COMMODORE WAY SEATTLE WA 98119	√	M	14.00	16.50	14.0		05/31/1994	06/20/1994	NIERMEYER, MICHAEL BRUCE CASCADE DRILLING INC.	65433		√													
MULT 4209	2.00N-1.00W-35 SW-NW		12005 N BURGARD ST, PORTLAND		TIME OIL CO. 2737 W COMMODORE WAY SEATTLE WA 98199	√	M	19.00	30.00	19.0		05/31/1994	06/20/1994	NIERMEYER, MICHAEL BRUCE CASCADE DRILLING INC.	65435		√													
MULT 4210	2.00N-1.00W-35 SW-NW		12005 N BURGARD ST, PORTLAND		TIME OIL CO. 2737 W COMMODORE WAY SEATTLE WA 98199	√	M	14.00	17.00	14.0		05/31/1994	06/20/1994	NIERMEYER, MICHAEL BRUCE CASCADE DRILLING INC.	65434		√													
MULT 4386	2.00N-1.00W-35 SE-SE		N LOMBARD ST; 750 FE N OF N BURGARD ST		CITY OF PORTLAND 1120 SW FIFTH AVE PORTLAND OR 972041972		M	25.00	30.00	23.0		09/28/1994	10/19/1994	MCINNIS, GREG GEO-TECH EXPLORATIONS, INC.	70781		√													
MULT 4469	2.00N-1.00W-35 NE-NW		9333 N HARBORGATE ST		T P S TECHNOLOGIES INC. 9333 N HARBORGATE ST PORTLAND OR 97283		M	10.00	20.00	10.0		10/18/1994	12/08/1994	CRISMAN, RANDY L	72709		√													
MULT 4470	2.00N-1.00W-35 NE-NW		9333 HARBORGATE ST		T P S TECHNOLOGIES 9333 HARBORGATE ST PORTLAND OR 97283		M	10.00	20.00	10.0		10/18/1994	12/08/1994	CRISMAN, RANDY L	72708		√													

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Well Log Query Results

Township: 2 N, Range: 1 W, Sections: 35

Well Log	T-R-S/ QQ-Q	Taxlot	Street of Well	Owner	Company	Special Standards	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	Bonded Constructor	Startcard	Well Id #	New	Abandon	Deepen	Alteration	Conversion	Domestic	Irrigation	Community	Livestock	Industrial	Injection	Thermal	Dewatering	Piezometer
MULT 4471	2.00N-1.00W-35 NE-NW		9333 HARBORGATE ST		T P S TECHNOLOGIES INC. 9333 HARBORGATE ST PORTLAND OR 97283		M	10.00	20.00	10.0		10/18/1994	12/08/1994	CRISMAN, RANDY L	72710		√													
MULT 50602	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97208		G		32.00			09/29/1995	10/24/1995				√	√												
MULT 50603	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97208		G		32.00			09/29/1995	10/24/1995				√	√												
MULT 50604	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97208		G		32.00			09/29/1995	10/24/1995				√	√												
MULT 50605	2.00N-1.00W-35 SE-SE		11920 N BURGARD		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97208		G		32.00			09/29/1995	10/24/1995				√	√												
MULT 50606	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97208		G		32.00			09/29/1995	10/24/1995				√	√												
MULT 50607	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97208		G		32.00			09/28/1995	10/24/1995				√	√												
MULT 50608	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97208		G		22.00			09/28/1995	10/24/1995				√	√												
MULT 50609	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97208		G		22.00			09/28/1995	10/24/1995				√	√												
MULT 50610	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97208		G		22.00			09/28/1995	10/24/1995				√	√												

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Well Log Query Results

Township: 2 N, Range: 1 W, Sections: 35

Well Log	T-R-S/ QQ-Q	Taxlot	Street of Well	Owner	Company	Special Standards	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	Bonded Constructor	Startcard	Well Id #	New	Abandon	Deepen	Alteration	Conversion	Domestic	Irrigation	Community	Livestock	Industrial	Injection	Thermal	Dewatering	Piezometer
MULT 50611	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97206		G		66.00	60.0		09/28/1995	10/24/1995				√	√													
MULT 50612	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97206		G		66.00	61.0		09/27/1995	10/24/1995				√	√													
MULT 50613	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97206		G		66.00	62.0		09/27/1995	10/24/1995				√	√													
MULT 50614	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97206		G		64.00	60.0		09/27/1995	10/24/1995				√	√													
MULT 50615	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97206		G		65.00	61.0		09/26/1995	10/24/1995				√	√													
MULT 50617	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97206		G		12.00			09/26/1995	10/24/1995				√	√													
MULT 50618	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97206		G		12.00			09/26/1995	10/24/1995				√	√													
MULT 50619	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97206		G		12.00			09/26/1995	10/24/1995				√	√													
MULT 50620	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97206		G		12.00			09/25/1995	10/24/1995				√	√													
MULT 50621	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97206		G		32.00			09/25/1995	10/24/1995				√	√													

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Well Log Query Results

Township: 2 N, Range: 1 W, Sections: 35

Well Log	T-R-S/ QQ-Q	Taxlot	Street of Well	Owner	Company	Special Standards	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	Bonded Constructor	Startcard	Well Id #	New	Abandon	Deepen	Alteration	Conversion	Domestic	Irrigation	Community	Livestock	Industrial	Injection	Thermal	Dewatering	Piezometer
MULT 50623	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97208		G		32.00			09/25/1995	10/24/1995				√	√													
MULT 50624	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97208		G		32.00			09/25/1995	10/24/1995				√	√													
MULT 50625	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97208		G		12.00			09/25/1995	10/24/1995				√	√													
MULT 50626	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97208		G		12.00			09/25/1995	10/24/1995				√	√													
MULT 50628	2.00N-1.00W-35 SE-SE		11920 N BURGARD ST		OREGON STEEL MILLS 14400 N RIVERGATE BLVD PORTLAND OR 97208		G		32.00			09/25/1995	10/24/1995				√	√													
MULT 50768	2.00N-1.00W-35 SW-NW	71	12005 N BURGARD RD		SCHNITZER STEEL CO. 3200 NW YEON PORTLAND OR 97210		M		30.00	12.0		03/05/1996	03/21/1996	MCINNIS, GREG GEO TECH EXPLORATIONS	84500		√														
MULT 51012	2.00N-1.00W-35 SE-NE				PORT OF PORTLAND PO BOX 3529 PORTLAND OR 97208		G		40.00				09/21/1995				√	√													
MULT 51014	2.00N-1.00W-35 SE-NE				PORT OF PORTLAND PO BOX 3529 PORTLAND OR 97208		G		140.00				09/21/1995				√	√													
MULT 51013	2.00N-1.00W-35 SE-NE				PORT OF PORTLAND PO BOX 3529 PORTLAND OR 97208		M		20.00			08/29/1995	09/21/1995	MCINNIS, GREG GEO TECH EXPLORATIONS	81112		√														
MULT 51321	2.00N-1.00W-35 NE-SW		OREGON STEEL MILLS, PORTLAND		OREGON STEEL MILLS-NORTON CORROSION 22327 89TH AVE WOODINVILLEQ WA 98072		G		243.00			05/23/1996	09/03/1996				√														

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Well Log Query Results

Township: 2 N, Range: 1 W, Sections: 35

Well Log	T-R-S/ QQ-Q	Taxlot	Street of Well	Owner	Company	Special Standards	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	Bonded Constructor	Startcard	Well Id #	New	Abandon	Deepen	Alteration	Conversion	Domestic	Irrigation	Community	Livestock	Industrial	Injection	Thermal	Dewatering	Piezometer
MULT 51573	2.00N-1.00W-35 SE-SE	300	N LOMBARD ST 750 FT NORTH OF BURGAR		CITY OF PORTLAND 1120 SW 5TH PORTLAND OR 97204		M		0.00	13.0		07/08/1996	08/05/1996	MCINNIS, GREG GEO-TECH EXPLORATIONS, INC.	81856			√												
MULT 51615	2.00N-1.00W-35 SE-SE	300	N LOMBARD ST 750 FEET OF N BURGARD		CITY OF PORTLAND 1120 SW 5TH PORTLAND OR 97204	√	M		0.00	12.0		07/08/1996	08/05/1996	MCINNIS, GREG GEO-TECH EXPLORATIONS, INC.	81857			√												
MULT 51827	2.00N-1.00W-35 NW-NE	3		PURCELL, RAGRAY PO BOX 23516 PORTLAND OR 97281		√	G			8.5		08/01/1996	09/12/1996				√	√												
MULT 51830	2.00N-1.00W-35 NW-NE	3	N HARBORGATE ST AND N WOODRUSH WAY	PURCELL, RAGRAY PO BOX 23516 PORTLAND OR 97281		√	G			8.5		08/01/1996	09/12/1996				√	√												
MULT 51829	2.00N-1.00W-35 NW-NE	3	N HARBORGATE ST AND N WOODRUSH WAY	PURCELL, RAGRAY PO BOX 23516 PORTLAND OR 97281		√	G			8.5		08/01/1996	09/12/1996				√	√												
MULT 51828	2.00N-1.00W-35 NW-NE	3	N HARBORGATE ST AND N WOODRUSH WAY	PURCELL, RAGRAY PO BOX 23516 PORTLAND OR 97281		√	G			8.5		08/01/1996	09/12/1996				√	√												
MULT 51823	2.00N-1.00W-35 NE-NE	71	12005 N BURGARD RD		SCHNITZER STEEL PRODUCTS CO. 3200 NW YEON PORTLAND OR 97210		M		30.00			09/02/1996	09/09/1996	MCINNIS, GREG GEO TECH EXPLORATIONS	93582			√												
MULT 51874	2.00N-1.00W-35 NE-NE	400	N HARBORGATE ST AND N LOMBARD ST		HELSER MACHINE WORKS 2901 NW 22ND AVE PORTLAND OR 97210	√	M	15.00	25.00	8.0		08/24/1996	09/25/1996	MCINNIS, GREG GEO TECH EXPLORATIONS	93558	5444	√													
MULT 51875	2.00N-1.00W-35 NE-NE	400	N HARBORGATE ST AND N LOMBARD ST		HELSER MACHINE WORKS 2401 NW 22ND AVE PORTLAND OR 97210		M			9.0		08/28/1996	09/25/1996	MCINNIS, GREG GEO TECH EXPLORATIONS	93559	5445	√													
MULT 52063	2.00N-1.00W-35 NW-SE		9445 N BURGARD WAY		SCHNITZER GROUP 9445 N BURGARD WAY PORTLAND OR 97203		G			11.3		09/09/1996	10/18/1996				√	√												

1 2 3 4 5 6 7 8 9 10 ... >>

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Return to Well Log Query

Well Log Query Results

Township: 2 N, Range: 1 W, Sections: 35

Well Log	T-R-S/ QQ-Q	Taxlot	Street of Well	Owner	Company	Special Standards	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	Bonded Constructor	Startcard	Well Id #	New	Abandon	Deepen	Alteration	Conversion	Domestic	Irrigation	Community	Livestock	Industrial	Injection	Thermal	Dewatering	Piezometer
MULT 52002	2.00N-1.00W-35 NW-SE		9445 N BURGARD WAY		SCHNITZER GROUP 9445 N BURGARD WAY PORTLAND OR 97203		G			9.3		09/09/1996	10/18/1996				√	√													
MULT 52061	2.00N-1.00W-35 NW-SE		9445 N BURGARD WAY		SCHITZER GROUP 9445 N BURGARD WAY PORTLAND OR 97203		G			7.3		09/09/1996	10/18/1996				√	√													
MULT 52262	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		M		0.00			10/25/1996	11/15/1996	NIERMEYER, MICHAEL BRUCE CASCADE DRILLING INC.	94136			√													
MULT 52261	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		M		0.00			10/25/1996	11/15/1996	NIERMEYER, MICHAEL BRUCE CASCADE DRILLING INC.	94137			√													
MULT 52260	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199	√	M		0.00			10/28/1996	11/15/1996	NIERMEYER, MICHAEL BRUCE CASCADE DRILLING INC.	94138			√													
MULT 52259	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		G		0.00			10/24/1996	11/15/1996				√	√													
MULT 52257	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		G		0.00			10/25/1996	11/15/1996				√	√													
MULT 52256	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		G		0.00			10/24/1996	11/15/1996				√	√													
MULT 52255	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		G		0.00			10/24/1996	11/15/1996				√	√													
MULT 52254	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		G		0.00			10/24/1996	11/15/1996				√	√													

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Return to Well Log Query

Well Log Query Results

Township: 2 N, Range: 1 W, Sections: 35

Well Log	T-R-S/ QQ-Q	Taxlot	Street of Well	Owner	Company	Special Standards	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	Bonded Constructor	Startcard	Well Id #	New	Abandon	Deepen	Alteration	Conversion	Domestic	Irrigation	Community	Livestock	Industrial	Injection	Thermal	Dewatering	Piezometer
MULT 52253	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		G		0.00			10/25/1996	11/15/1996				√	√												
MULT 52252	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		G		0.00			10/23/1996	11/15/1996				√	√												
MULT 52251	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		G		0.00			10/25/1996	11/15/1996				√	√												
MULT 52250	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		G		0.00			10/23/1996	11/15/1996				√	√												
MULT 52248	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		G		0.00			10/23/1996	11/15/1996				√	√												
MULT 52247	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		G		0.00			10/23/1996	11/15/1996				√	√												
MULT 52246	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		G		0.00			10/23/1996	11/15/1996				√	√												
MULT 52256	2.00N-1.00W-35 SW-SE	38	13050 TIME OIL RD, PORTLAND		TIME OIL 2737 W COMMODORE WAY SEATTLE WA 98199		G		0.00			10/24/1996	11/15/1996				√	√												
MULT 52703	2.00N-1.00W-35 SW-NW		10400 N. BURGARD WAY	SCHNITZER, STEEL PRODUCTS	SCHNITZER STEEL PRODUCTS CO. 3200 NW YEON PORTLAND OR		G		24.00	18.0		11/23/1996	01/09/1997				√													
MULT 52704	2.00N-1.00W-35 SW-NW		10400 N. BURGARD WAY	SCHNITZER, STEEL PRODUCTS	SCHNITZER STEEL PRODUCTS, CO. 3200 NW YEON PORTLAND OR		G		24.00	18.0		11/23/1996	01/09/1997				√													

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Well Log Query Results

Township: 2 N, Range: 1 W, Sections: 35

Well Log	T-R-S/ QQ-Q	Taxlot	Street of Well	Owner	Company	Special Standards	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	Bonded Constructor	Startcard	Well Id #	New	Abandon	Deepen	Alteration	Conversion	Domestic	Irrigation	Community	Livestock	Industrial	Injection	Thermal	Dewatering	Piezometer
MULT 52706	2.00N-1.00W-35 SW-NW		10400 N. BURGARD WAY	SCHNITZER, STEEL PRODUCTS	SCHNITZER STEEL PRODUCTS CO 3200 NW YEON PORTLAND OR		G		24.00	18.0		11/23/1996	01/09/1997				√														
MULT 52707	2.00N-1.00W-35 SW-NW		10400 N. BURGARD WAY	SCHNITZER, STEEL PRODUCTS	SCHNIZER STEEL PRODUCTS CO 3200 NW YEON PORTLAND OR		G		24.00	18.0		11/23/1996	01/09/1997				√														
MULT 52708	2.00N-1.00W-35 SW-NW		10400 N. BURGARD WAY	SCHNITZER, STEEL PRODUCTS	SCHNITZER STEEL PRODUCTS CO 3200 NW YEON PORTLAND OR		G		24.00	18.0		11/23/1996	01/07/1997				√														
MULT 52709	2.00N-1.00W-35 SW-NW		10400 N. BURGARD WAY	SCHNITZER, STEEL PRODUCTS	SCHNITZER STEEL PRODUCT CO. 3200 NW YEON PORTLAND OR		G		24.00	18.0		11/23/1996	01/09/1997				√														
MULT 52711	2.00N-1.00W-35 SW-NW		10400 N URGARD WAY	SCHNITZER, STEEL PRODUCTS	SCHNITZER STEEL PRODUCTS CO 3200 NW YEON PORTLAND OR		G		24.00	18.0		11/23/1996	01/09/1997				√														
MULT 52712	2.00N-1.00W-35 SW-NW		10400 N BURGARD WAY	SCHNITZER, STEEL PRODUCTS	SCHNITZER STEEL PRODUCTS CO 3200 NW YEON PORTLAND OR		G		24.00	18.0		11/23/1996	01/07/1997				√														
MULT 52713	2.00N-1.00W-35 SW-NW		10400 N BURGARD	SCHNITZER, STEEL PRODUCTS	SCHNITZER STEEL PRODUCTS CO 3200 NW YEON PORTLAND OR		G		24.00	18.0		11/23/1996	01/09/1997				√														
MULT 52714	2.00N-1.00W-35 SW-NW		10400 N BURGARD WAY	SCHNITZER, STEEL PRODUCTS	SCHNITZER STEEL PRODUCTS CO. 3200 NW YEON PORTLAND OR		G		24.00	18.0		11/23/1996	01/09/1997				√														
MULT 52716	2.00N-1.00W-35 SW-NW		10400 N BURGARD WAY	SCHNITZER, STEEL PRODUCTS	SCHNITZER STEEL PRODUCTS 3200 NW YEON PORTLAND OR		G		24.00	18.0		11/23/1996	01/09/1997				√														
MULT 52717	2.00N-1.00W-35 SW-NW		10400 N BURGARD WAY	SCHNITZER, STEEL PRODUCTS	SCHNITZER STEEL PRODUCTS CO 3200 NW YEON PORTLAND OR		G		24.00	18.0		11/23/1996	01/09/1997				√														

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OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND STORAGE TANK PROGRAM

UNDERGROUND STORAGE TANK DECOMMISSIONING CHECKLIST AND SITE ASSESSMENT REPORT

A. FACILITY INFORMATION:

This report MUST be submitted by the underground storage tank permittee or tank owner. or the licensed DEQ Service Provider on their behalf, **within 30 days following completion of the tank decommissioning or change-in-service regardless of ongoing cleanup work.**

DEQ FACILITY NUMBER: 6299
FACILITY NAME: Schnitzer Steel Products Co.
FACILITY ADDRESS: 12005 N Burgard Way, Portland OR 97203
PERMITTEE PHONE: 503.286.5771 DATE: _____

B. WORK PERFORMED BY:

The checklist and site assessment report should be completed and signed by the DEQ licensed supervisor and signed by an executive officer of the DEQ licensed Service Provider on page 6. The tank owner or permittee must review and sign the report on page 6. **NOTE: AN OWNER OR PERMITTEE MAY PERFORM UST SERVICES ONLY IF THEY HAVE TAKEN AND PASSED THE APPROPRIATE UST SUPERVISOR EXAMINATION OFFERED BY A NATIONAL TESTING SERVICE (SEE OAR 340-150-0156 for requirements).**

DEQ Service Provider's License #: 14996 Construction Contractors Board License #: 118728
Name: Petroleum Constructors Inc.
Telephone: 503.722.0707
DEQ Decommissioning Supervisor's License #: 11056
Name: William J. Messer
Telephone: 503.722.0707
DEQ Soil Matrix Service Provider's License #: 15012 (If applicable)
Name: Const. & Environ Svcs Co Inc
Telephone: 503-492-0977
DEQ Soil Matrix Supervisor's License #: 14712 (If applicable)
Name: Kathy Thompson
Telephone: 503-504-4680

C. DATES:

Decommissioning/Change-in-Service Notice - Date Submitted: 08.03.09 (30 days before work starts).

Work Start Telephone Notice - Number issued by DEQ: 26-3D-09-013 (3 working days before work starts).

DEQ Person Notified: Greg Toran

Date Work Started: 1-6-10 Date Work Completed: 1-29-10

Note: Provide the following information if any soil or water contamination is found during the decommissioning or change-in-service. Contamination must be reported by the UST permittee within 24 hours. The licensed service provider must report contamination within 72 hours after discovery unless previously reported.

Date Contamination Reported: 1-8-10 By: Kay Thompson (CAESCO)

DEQ Person Notified: via FAX

D. OTHER DEQ PERMITS MAY BE NEEDED WHERE SOIL OR WATER CLEANUP IS REQUIRED.

N/A DEQ Water Discharge Permit #: _____ Date: _____

Water Disposed to (Location): _____

DEQ Solid Waste Disposal Permit #: _____ Date: _____

Soil Disposal or Treatment Location: _____

E. TANK INFORMATION:

TANK ID #	DEQ-UST PERMIT #	TANK SIZE IN GALLONS	PRODUCT: GASOLINE, DIESEL, USED OIL, OTHER? PRESENT	PRODUCT: GASOLINE, DIESEL, USED OIL, OTHER? NEW	CLOSURE OR CHANGE-IN-SERVICE? TANK REMOVAL	CLOSURE IN PLACE♦	CHANGE IN SERVICE♦	TANK TO BE REPLACED? YES	TANK TO BE REPLACED? NO
11	AHCHK	20,000	Diesel		☑	☐	☐	☐	☑
12	AHCHA	6,000	Gas		☑	☐	☐	☐	☑
13	AHCHB	6,000	Gas		☑	☐	☐	☐	☑
					☐	☐	☐	☐	☐
					☐	☐	☐	☐	☐

NOTE 1: Where decommissioned tank(s) are replaced by new underground storage tanks the UST permittee must submit a *General Permit Registration Form to Install and Operate USTs* containing information on the new tanks 30 days before installing them.

NOTE 2: Submit a soil sampling plan to the DEQ regional office and receive plan approval prior to starting work if 1) tank is to be decommissioned in-place, 2) tank contents are changed to a non-regulated substance. 3) tank contains a regulated substance other than petroleum, or 4) tank changed to non-regulated use.

F. DISPOSAL INFORMATION:

	TANK AND PIPING DISPOSAL METHOD				DISPOSAL LOCATION OF TANK CONTENTS	
TANK ID #	SCRAP	LAND-FILL	OTHER	IDENTIFY LOCATION & PROPERTY OWNER	LIQUIDS	SLUDGES
	☐	☐	☑	Max Hendrix	ORRCO	
	☐	☐	☑	Boring OR	4150 N Suttle Rd	
	☐	☐	☑	↓	Ptld OR 97217	
	☐	☐	☐	503.706.9353		
	☐	☐	☐			

NOTE 1: The tank contents, the tank and the piping may be subject to the requirements of Hazardous Waste regulations. If you have questions, contact the DEQ regional office for your area.

→ was disposed in dumpster @ shop

NOTE 2: Attach copies of the disposal receipts for the tanks and piping. If the tanks are shipped off-site for reuse provide the name, address and phone number of the person or business receiving the tanks for reuse.

NOTE 3: Attach copies of the disposal receipts for the disposal or treatment of liquid or sludge removed from the tanks

G. CONTAMINATION INFORMATION: Handled by Caesco 503.492.0977

TANK ID #	GROUND WATER IN PIT ?	PRODUCT ODOR IN SOIL ?	PRODUCT STAINS IN SOIL ?	NUMBER OF SAMPLES	LABORATORY (NAME, CITY, STATE, PHONE)
	☐	☐	☐		REFERENCE ENCLOSED REPORT
	☐	☐	☐		
	☐	☐	☐		
	☐	☐	☐		
	☐	☐	☐		

NOTE 1: Attach a copy of the laboratory report showing the results of all tests on all soil and water samples. The laboratory report must identify sample collection methods, sample location, sample depth, sample type (soil or water), type of sample container, sample temperature during transportation, types of tests, and copies of analytical laboratory reports, including QA/QC information. Include laboratory name, address and copies of chain-of-custody forms.

NOTE 2: If contamination is detected and a Level 2 or Level 3 soil matrix cleanup standard is applied to the site, attach a copy of the soil matrix analysis including methods of determining soil type, depth to groundwater, and sensitivity of uppermost aquifer.

H. SITE SKETCH: (Show location of adjacent roads, property lines, structures, dispensers, & all USTs. Show North, general direction of ground slope and soil sample locations. Sketch does not need to be drawn to scale. You may attach a separate drawing.)

REFERENCE ENCLOSED REPORT

I. SAFETY EQUIPMENT ON JOB SITE:

Fire Extinguisher:	Type/Size: DryChem 15lb	Recharge Date:	01.09
Combustible Gas Detector:	Model: GasTech Type GP204	Calibration Date:	on site
Oxygen Analyzer:	Model: _____	Calibration Date:	_____

J. DECOMMISSIONING:

All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)	YES	NO	UNKNOWN	N/A
1. All electrical equipment grounded and explosion proof?	✓			
2. Safety equipment on job site?	✓			
3. Overhead electrical lines located?	✓			
4. Subsurface electrical lines off or disconnected?	✓			
5. Natural gas lines off or disconnected?	✓			
6. No open fires or smoking material in area?	✓			
7. Vehicle and pedestrian traffic controlled?	✓			
8. Excavation material area cleared?	✓			
9. Rainwater runoff directed to treatment area?				✓
10. Drained and collected product from lines?	✓			
11. Removed product and residual from tank?	✓			
12. Cleaned tank?	✓			
13. Excavated to top of tank?	✓			
14. Removed tank fixtures? (pumps, leak detection equipment)	✓			
15. Removed product, fill and vent lines?	✓			

K. TANK ABANDONMENT IN-PLACE:

All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)	YES	NO	UNKNOWN	N/A
16. Sampling plan approved by DEQ? Date:_____ DEQ Staff: _____				✓
17. Contamination concerns fully resolved?				✓
18. Fill Material? Type: _____				✓

L. TANK REMOVAL:

All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)	YES	NO	UNKNOWN	N/A
19. Tank placement area cleared, chocks placed?	☑	☐	☐	☐
20. Purged or ventilated tank to prevent explosion? Method used: dry ice Meter reading:	☑	☐	☐	☐
21. Were chains or steel cables wrapped around tank for removal?	☐	☑	☐	☐
22. Tank removed, set on ground, blocked to prevent movement?	☑	☐	☐	☐
23. Tank set on truck and secured with straps(s)?	☑	☐	☐	☐
24. Tank labeled before leaving site?	☑	☐	☐	☐

M. SITE ASSESSMENT:

All Tanks: N/A = Not Applicable (Check (√) Appropriate Box)	YES	NO	UNKNOWN	N/A
25. Site assessed for contamination? See OAR 340-122-0340	☑	☐	☐	☐
26. Soil samples taken and analyzed?	☑	☐	☐	☐
27. Was contamination found? Date/Time:	☑	☐	☐	☐
28. Was hazardous waste determination made for tank contents (Liquids/sludges)?	☐	☐	☐	☐

N. REQUIRED SIGNATURES:

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Permittee or Tank Owner: LARRY SNODGRASS SSI PLANT MNGR. (Please Print) X

Permittee or Tank Owner: [signature] (Signature) Date: 2/02/10 X

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Licensed Supervisor: William J. Messer (Please Print)

Licensed Supervisor: [signature] (Signature) Date: 01.29.10

I have personally reviewed this decommissioning checklist and site assessment report and the attachments and find them to be true and complete.

Executive Officer: William J. Messer Licensed Service Provider (Please Print)

Executive Officer: [signature] (Signature) Licensed Service Provider Date: 01.29.10

O. REPORT FILING:

This report signed by the permittee or tank owner, licensed supervisor and executive officer of the Service Provider, complete with all applicable attachments, must be filed with the DEQ regional office within 30 days after the excavation is backfilled or change-in-service is complete. **Do not wait until any site related cleanup project is completed.** Contact the DEQ regional office prior to filing this report where special circumstances exist at the site (such as water in pit, remaining pockets of contamination, etc.).

P. HELP WITH THIS REPORT:

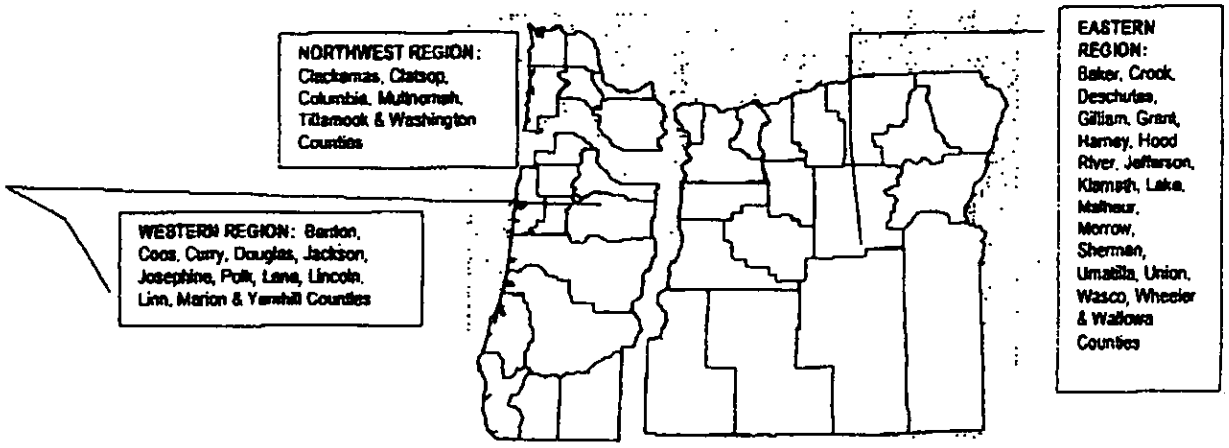
If you have any questions about this decommissioning checklist and site assessment report, please phone your DEQ Regional Office. You can also phone the UST Program's toll-free number, 1-800-742-7878. This is a message answering machine for calls made within Oregon. Underground Storage Tank Program staff will return your calls within 24 hours. You can also send an e-mail to tanks.info@deq.state.or.us. Our regional staff are also available to answer questions regarding tank decommissioning or change-in-service requirements (see below for telephone numbers).

Q. COPIES OF THE GENERAL PERMIT TO DECOMMISSION OR COMPLETE A CHANGE-IN-SERVICE:

Obtain copies of the general permit to decommission or complete a change-in-service conditions and requirements, UST Program rules and laws and UST Cleanup rules and laws at:

1. Any of the DEQ offices listed below,
2. By calling the UST HELPLINE at 1-800-742-7878,
3. Send an e-mail to tanks.info@deq.state.or.us or
4. Downloading from the UST home page at:

http://www.deq.state.or.us/lq/tanks/ust/index.htm



EASTERN REGION / THE DALLES
400 E. Scenic Drive, Building 2 - 307
The Dalles, OR 97058
Phone: 541-298-7255
Fax: 541-298-7330

NORTHWEST REGION
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-5884
Phone: 503-229-5263
Fax: 503-229-6945

WESTERN REGION / COOS BAY
381 N SECOND STREET
COOS BAY 97420
Phone: 541-269-2721
Fax: 541-269-7984

WESTERN REGION / EUGENE
165 E. 7th Avenue, Suite 100
Eugene, OR 97401
Phone: 541-686-7838
Fax: 541-686-7551

WESTERN REGION / SALEM
750 Front Street NE, Suite 120
Salem, OR 97301-1039
Phone: 503-378-8240
Fax: 503-373-7944

Leaking Underground Storage Tanks (LUST)

LUST Incident Reporting Form

Contacts Assessment Comments

R = Required
Incident Information

R Site Type: Heating Oil Tank | Regulated UST ◉ | Non Regulated UST ○ | Facility Id: 6299

R Site Name: SCHNITZER STEEL PRODUCTS CO. | R County: Multnomah | 08-JAN-2010

Street Nbr: | Quadrant: | Street Name: | Type: Way

Other Address: 12005 N BURGARD WAY

R : Street Nbr and Street Name >> OR << Other Address.

R City: PORTLAND | R Zip Code: 97203 | Phone: 503-286-6982

Next Clear Screen

Leaking Underground Storage Tanks (LUST)

LUST Incident Reporting Form

Incident Assessment Comments

Responsible Party

R = Required
Mail Contacts

R : First and Last Name >> OR << Organization.

First Name: Jamie | Last Name: Wilson

Organization: Schnitzer Steel | R Address: 12005 N. Burgard Way

R City: Portland | Address 2:

R State: Oregon | R Zip Code: 97203

R Phone: 503-286-6982 | E-Mail:

Invoice Contact ☑ Copy Responsible Party Data

R : First and Last Name >> OR << Organization.

First Name: Jamie | Last Name: Wilson

Organization: Schnitzer Steel | R Address: 12005 N. Burgard Way

R City: Portland | Address 2:

R State: Oregon | R Zip Code: 97203

R Phone: 503-286-6982 | E-Mail:

Next

Leaking Underground Storage Tanks (LUST)

LUST Incident Reporting Form

Incident Contacts Comments R = Required

Site Assessment

R Discover Date			R Confirmation	R Discovery	R Cause	R Source
07 (DD)	JAN (MON)	2010 (YYYY)	Lab:RP	Decommissioning	Other	Dispenser

Contaminants R : Select One Or More.

- [ ] Heating Oil
- [x] Diesel (Motor Fuel)
- [ ] Other Pet. Dist.
- [ ] Unleaded Gasoline
- [ ] Waste Oil
- [ ] Chemical
- [ ] Leaded Gasoline
- [ ] Lubricant
- [ ] MTBE
- [ ] Misc.Gasoline
- [ ] Solvent
- [ ] Unknown

Impacted Media R : Select One Or More.

- [x] Groundwater
- [x] Soil
- [ ] Surface Water
- [ ] Vapor
- [ ] Drinking Water
- [ ] Free Product

Next

Leaking Underground Storage Tanks (LUST)

LUST Incident Reporting Form

Incident Contacts Assessment

Site Comments

Please Enter a Comment For the LUST Incident.

GW was encountered in the excavation pit. The pit was pumped and the water did recharge. All lab analysis for soil and water within the pit area revealed non-detects. See attached lab data. The problem appears to be beneath several of the dispensers.

Top

Finish/Submit Data | Review Your Entry | Clear Screen

Questions or comments? Contact DEQ's webmaster.

1/8/2010 3:20 PM

file

Oregon
Theodore R. Kulongoski, Governor

Department of Environmental Quality
Northwest Region - East Side Office
1550 NW Eastman Parkway, Suite 290
Gresham, OR 97030
(503) 667-8414
Fax: (503) 674-5148

August 25, 2010

Corey Bailey
Schnitzer Steel
PO Box 10047
Portland Oregon 97296-0047

Re: Schnitzer Steel
UST Cleanup File No. 26-10-0019
UST Facility ID No. 6299

Dear Mr. Bailey:

The Department of Environmental Quality (DEQ) has completed its review of the information submitted to date concerning the underground storage tank (UST) decommissioning and cleanup conducted at 12005 N. Burgard Way in Portland, Oregon. DEQ has determined that the cleanup appears to have met the requirements of Oregon Administrative Rules (OAR) 340-122-0205 through 340-122-0360. No further action is required at this time.

This determination is a result of our evaluation and judgment based on the regulations and facts as we now understand them:

1. On January 6, 2010, Petroleum Constructors, Inc., a licensed service provider, decommissioned one 20,000-gallon gasoline UST and two 6,000-gallon diesel USTs at this location. The tanks were transported off site by Max Hendrix of Boring, Oregon. Mr. Hendrix stated that he plans to reuse the USTs to store water for fire suppression and that the tanks will not be used to store water for consumption. The tank contents were pumped and treated for recycling or disposal by ORRCO (Oil re-refining company).

2. After removal of the USTs, four soil samples were obtained from each side of the tank excavation. The samples were obtained from a depth of 11 feet below ground surface (bgs), which is reportedly the soil-water interface, and two samples were obtained from a depth of 14 feet bgs. The soil-water interface samples were analyzed by NWTPH-HCID for petroleum hydrocarbon identification. The samples from the soil-water interface area did not contain detectable petroleum hydrocarbons; the bottom samples were not analyzed.

3. Groundwater recharged into the tank excavation at a depth of 11 feet bgs. The recharge water was sampled and analyzed by methods: NWTPH-Dx and Gx; EPA Method 8270; and EPA method 8260. The laboratory report did not show detectable concentrations of petroleum hydrocarbons, polynuclear aromatic hydrocarbons (PAHs), or volatile organic compounds (VOCs).

4. There were eight distribution pumps associated with the UST systems. Samples were obtained from soils at a depth of 14 inches bgs under each distribution pump and analyzed by

NWTPH-HCID. Diesel range total petroleum hydrocarbons contamination were detected under six of the eight distribution pumps.

5. Initial sampling showed diesel concentrations between 700 parts per million (ppm) and 14,500 ppm. Contaminated soil was excavated from the dispensers. Confirmation sampling showed impacts remained at two dispensers. Soils beneath dispenser number 2 were sampled at a depth of 4.4 feet and soils beneath dispenser number 6 were sampled at a depth of 7 feet; residual concentrations of diesel were detected at 12,300 ppm and 3550 ppm; respectively.

6. Further soil was removed from the two dispensers. The maximum sample depth at dispenser 6 was 9 feet bgs. Samples were obtained from dispenser 2 at a depth of 6 feet bgs. A total of five confirmation samples were obtained from the two dispenser locations. Diesel was not detected in these soil confirmation samples.

7. Approximately 55 tons of contaminated soil was excavated and taken to Hillsboro Landfill for disposal.

8. Groundwater was encountered at a depth of 11 feet, the deepest contamination reported was less than 9 feet bgs. No groundwater samples were obtained from the dispenser area based on the depth of contamination which appears to be above the seasonal high groundwater table.

9. The contaminant evaluation was performed under the soil matrix rules. According to the Soil Matrix Closure Report all detectable soils contamination was removed from the site. The closure report was prepared by Kay Thompson of Construction & Environmental Services Company (CAESCO), a licensed Soil Matrix Supervisor. Tim O'Gara, a registered geologist, provided oversight to CAESCO as groundwater recharge was observed in the tank excavation

DEQ's determination will not be applicable if new or undisclosed facts show that the cleanup does not comply with the referenced rules. DEQ's determination also does not apply to any conditions at the site other than the release of petroleum products specifically addressed in this letter. The soil matrix closure is limited to soil contamination and will not apply to sites where groundwater impacts are a result of UST releases.

Please note that pursuant to OAR 340-122-0360(2), a copy of your Soil Matrix Closure Report from CAESCO must be retained until ten years after you transfer your property. We recommend that a copy of the report be kept with your permanent records.

Your efforts to comply with the regulations to ensure that your property has been adequately cleaned up have been appreciated.

If you have any questions, please feel free to contact me at (503) 667-8414 extension 55007.

Sincerely,

Laurey Cook

Laurey Cook, UST Cleanup Specialist
UST Cleanup and Compliance Section

cc: Kay Thompson
CAESCO
PO Box 430
Fairview Oregon 97024

INTEROFFICE MEMORANDUM

TO: MIKE KORTENHOF

FROM: LAUREY COOK

SUBJECT: SCHNITZER SOIL MATRIX CLEANUP

DATE: 5/12/2010

FN: 26-10-0019

The site was cleaned up to ND. They encountered groundwater at a depth of 11 feet bgs in December 2009.

The release was from pumps and the depth was limited to 9 feet or less.

Based on the shallow depth, and the depth to groundwater (11 feet), I did not request additional groundwater characterization. The tanks did not leak, but they obtained a pit water sample. The sample was ND for Gx, Dx, VOCs, and PAHs.

I contacted Jim Orr in Cleanup, sent him a copy of the report to confirm depth to groundwater during the spring. He did not have any additional information regarding depth (he indicated it was generally at 15 feet).

I contacted Bob McCoy because the sampling in the pit did not seem to comply. Two samples per tank, and additional based on size. However, Greg an Bob were okay with the sampling (four pit samples at soil water interface).

I contacted Max Hendrix regarding tank reuse – as indicated on the report. He says tanks store water for fire suppression.

Based on the removal of all detectable contamination, the depth to groundwater as reported, and the sampling depth, it appears this site can be closed under the soil matrix rules.

Conversation Log

To/from Max Hendrix

RE Tanks and reuse File 26-10-0019

Number (503) 706 9353

DATE May 12 2010

I spoke with Max Hendrix, he takes tanks on a somewhat regular basis as long as the tanks are in good shape. They are used to store water for fire suppression. These tanks were fiberglass and in good shape. I asked him if they were to be used for water storage that may be for consumption or on crops – no to store water to fight fires.

Larry Cook

Conversation Log

To/from Corey Bailey

RE . Schnitzer File 26-10-0019

Number (503) 737 6848

DATE May 12 2010

I spoke with Mr. Bailey and let him know that I was PM. I said the site appeared to comply with the soil matrix rules and if any questions or issues came up I would give him a call

Laurey Cook

Conversation Log

To/from Jim ORR

RE Groundwater File 26-10-0019

Number (503) ~~706 9553~~
229 5039

DATE May 12 2010

LLC.

I spoke with Jim Orr, he voiced some concern regarding the number of samples in the tank pit. I said that I had discussed this with UST compliance and they were okay with it (four samples rather than two under each tank and tank walls). We both questioned the excavation, but it appears that tanks were in good shape. We talked about groundwater and the actual location of the USTs. I said that if the 9 feet was above the seasonal high groundwater then it appeared the site met regulation.

Sent copy of Soil Matrix Report & discussed

COOK Laurey

From: ORR Jim
Sent: Wednesday, May 12, 2010 8:55 AM
To: COOK Laurey
Subject: RE: Depth to groundwater

Laurey, Depth to water was estimated from 15 to 20 feet from nearby properties but it could be perched by localized fill

2355 SSI SCE 2007.pdf

. They do have some a few wells onsite but if you let me know where the UST is I can get you a more accurate estimate. Schnitzer has recently performed excavations for stormwater improvements and should have a good idea of DTW at your tank. Mat Cusma is my contact for the site 503-286-6944 and would be able to estimate DTW most accurately.

I have included an attachment from 2007 that describes geology and DTW.

Please keep me in the loop regarding the UST investigation. If you make a site visit I would be interested in tagging along. I have not been to the site in a while and need to keep closer contact with them.

I suspect significant PCBs and metals in surficial soil but have not documented this yet onsite.

JIM ORR
NW REGION CLEANUP PROGRAM
2020 SW 4TH AVE. SUITE 400
PORTLAND, OREGON 97201
503-229-5039
ORR.JIM@DEQ.STATE.OR.US

From: COOK Laurey
Sent: Tuesday, May 11, 2010 5:10 PM
To: ORR Jim
Subject: Depth to groundwater

Jim -- at the Schnitzer site at 12005 N Bugard Way what is the depth to groundwater (seasonal high)? I assume that for cleanup purposes you know.

Laurey

RPT
#2355
Working
Schnitzer Burgard

Please Return to Jim Orr

Source Control Evaluation

Burgard Industrial Park
12005 North Burgard Road
Portland, Oregon

Prepared for
Schnitzer

April 13, 2007

BRIDGEWATER GROUP, INC.

SECTION 3

SITE CONDITIONS AND CONCEPTUAL SITE MODEL

3.1 Regional Geology and Hydrogeology

The regional geology at the Site is characterized by four primary units. These units are (starting at the ground surface and moving downward):

Alluvial deposits – Unconsolidated deposits of silt, sand, and gravel. This unit is about 100 to 150 feet thick at the Site.

Troutdale formation - Poorly to moderately consolidated conglomerates with interbeds of fine-grain deposits. This zone is estimated to be about 100 feet thick at the Site.

Sandy River Mudstone – On the order of 100-foot-thick zone of massive claystone and siltstone.

Columbia River Basalt Group – Older series of flood basalts believed to be several hundred feet thick at the Site.

Regional groundwater within the alluvial deposits is generally unconfined and variable due to the heterogeneity of the alluvial deposits. The primary regional groundwater zone is within the Troutdale formation. Groundwater zones within the Troutdale are often confined.

3.2 Site Soil and Groundwater Conditions

The soil and groundwater conditions at the Site can be inferred from data gathered from previous and ongoing investigations on the Site and on adjacent properties.

3.2.1 Soil Strata

The near surface soil strata at the site is dominated by the presence of dredge fill placed prior to the late 1930s, during the original site development in the early 1940s, and during filling of the shipways in the late 1960s and early 1970s. The dredge fill consists of heterogeneous mixtures of brown sand and silty sand. The depth of the dredge fill varies across the Site with a thickness on the order of 25 to 35 feet along the river bank and on the order of 15 feet along the eastern edge of the Site. The fill in the eastern portion of the Site was placed primarily during the initial dredge fill placement while much of the fill in the western portion of the Site was placed during the original site development in the early 1940s and during filling of the shipways in the late 1960s and early

1970s. Figure 3-1 shows the approximate depth of fill placed in the late 1960s/early 1970s, after the shipyard ceased operations and were abandoned.

Alluvial deposits underlie the dredge fill. The alluvial deposits consist of silts, sandy silt, and silty sand. The log for the onsite water supply well located on the western portion of the Site notes gray sand to a depth of 124 feet with sand and gravel underlying the sand to a depth of 142 feet. Borings on property north of the Site noted gray sand beneath the dredge sand fill. Soil borings in the southeastern area of the Site noted gray sand to a depth of about 25 to 30 feet overlying clayey, sandy, silt.

A geotechnical probe exploration in the northeastern portion of the Site noted the following stratigraphy, starting at the ground surface:

- Sand (apparent fill) from 0 to 25 feet bgs.
- Silt from 25 to 70 feet bgs.
- Silty sand and sandy silt from 70 to 155 feet bgs.
- Silt from 155 to 175 feet bgs.
- Rock (Troutdale Unit?) at a depth of 175 feet bgs.

Zones with relatively high organic content may be present on the top of the alluvial deposits in the western portion of the Site. Historical reports note "swampy" conditions prior to the placement of the fill in this area for the shipyard construction.

3.2.2 Groundwater Occurrence and Gradient

Shallow groundwater is present within the dredge fill in the western portion of the site. The shallow groundwater zone has been encountered at a depth of about 15 to 20 feet on nearby properties. The presence and extent of the shallow zones may be variable based on the presence of localized deposits of fine-grain silts within the dredge fill. These shallow groundwater zones are anticipated to be unconfined. The groundwater flow gradient in the shallow zone is anticipated to be toward the river. The shallow groundwater either discharges to the riverbank or recharges the underlying alluvial groundwater zone through downward flow.

A deeper groundwater zone is anticipated within the upper portions of the alluvial deposits underlying the dredge fill. The depth to the deep groundwater zone is anticipated to be on the order of 30 to 40 feet bgs. This groundwater zone could extend to a depth of approximately 60 to 65 feet bgs, based on the depth of monitoring wells on the Time Oil Northwest Terminal property.

The groundwater flow direction in the deep groundwater zone is generally to the west (i.e. towards the river). Local variations in the groundwater flow direction are likely present around the slip based on measurements around Slip 3 on the adjacent Port of Portland Terminal 4 property. Local groundwater flow variations are also expected in areas of varying silt content in the heterogeneous dredge fill. The deep groundwater zone is anticipated to discharge to the river.

The relative groundwater elevations in the monitoring wells installed for the RI are presented in Table 3-1. The relative groundwater elevations in Table 3-1 are consistent with a general groundwater flow direction to the west, toward the Willamette River. The elevation of the Willamette River is consistently lower than the groundwater elevation in the monitoring wells. Figure 3-2 shows the relative groundwater elevations measured on March 18, 2004.

3.3 Results of FOC Sampling and Analysis

3.3.1 Pre RI Sampling and Analysis in Southeast Area.

Table 3-2 and Table 3-3 present the results of the soil and groundwater analysis, respectively, for the 1997 sampling and analysis in the Southeast Area. Figure 2-2 shows the exploration locations. A January 20, 1998, Environmental Management Solutions report presents the results of the 1997 sampling and analysis.

Petroleum hydrocarbons were not detected in any of the analyzed soil samples. In particular, soil samples were collected near where the underground storage tanks had been previously removed in 1989. The soil samples were analyzed for petroleum hydrocarbons to assess for possible releases from the underground storage tanks. No petroleum hydrocarbons were detected in the soil samples.

PCBs were detected in two soil samples (15.3 mg/kg and 0.5 mg/kg) collected in the southeast area. The TCLP lead concentration in one soil sample (40 mg/L) exceeded hazardous waste criteria. Low levels (less than 1 mg/kg) of PAHs were detected in two soil samples. Low concentrations (less than 5 ug/l) of TCE and PCE were detected in the groundwater samples. All of the TCLP metal concentrations in the blast media were well less than hazardous waste criteria.

The Environmental Management Solutions report concluded that the investigation "...did not detect widespread contamination associated with prior industrial land use of the subject property". Based on the distance from the southeast area to the Willamette River and the essentially insoluble nature of PCBs, the limited area of surface soil with PCBs is not anticipated to pose a threat to the Willamette River.

3.3.2 RI Sampling and Analysis at FOCs

Table 3-4, Table 3-5, Table 3-6, Table 3-7, and Table 3-8 present the petroleum hydrocarbon, VOCs, SVOCs, PCBs, and metal concentrations, respectively, in the soil samples collected during the RI at the Site. The results for the sediment sample collected from the upgradient Northwest Pipe catch basin is also presented in these tables.

Table 3-9, Table 3-10, Table 3-11, Table 3-12, and Table 3-13 present the petroleum hydrocarbon, VOCs, SVOCs, PCBs, and metal

COOK Laurey

From: MCCOY Bob
Sent: Wednesday, May 12, 2010 8:13 AM
To: COOK Laurey
Subject: Schnitzer Steel, facility 6299

I believe we are good with the number of samples they took.
Greg terminated the tanks, and he is not one to let stuff slide unless he is sure it's okay.

Once we saw that contamination was found the number of samples became a moot point. If there had been no contamination found we might have pursued the letter of the law regarding sampling frequency more aggressively, but all the extra samples would have done in this case is reaffirm what we already know.

Thanks for keeping us on our toes.

Have fun in Mehico.

☺

From: COOK Laurey
Sent: Tuesday, May 11, 2010 5:04 PM
To: MCCOY Bob
Subject:

Bob,

I was assigned as project manager for the Schnitzer site, I noted that they had three tanks, in one nest and took four samples at the soil-water interface. The rules say - It looks to me like they did not follow the rules regarding sampling. If UST compliance is okay with this, then I am okay too – just checking.

For the removal of a single tank, two to four soil samples must be collected as appropriate based on site conditions, including the condition of the removed tank;

(d) For the removal of multiple USTs from the same pit, in addition to subsection (c) of this section, one soil sample must be collected for each 100 square feet of area in the pit from areas where contamination is most likely to be found;

Laurey

DANA Kevin

From: ORR Jim
Sent: Tuesday, February 09, 2010 1:43 PM
To: DANA Kevin
Subject: RE: Schnitzer Steel - Burgard

Kevin, Tanks should take the project.

I would like to know the outcome and if there is groundwater impact. Thanks

JIM ORR
NW REGION CLEANUP PROGRAM
2020 SW 4TH AVE. SUITE 400
PORTLAND, OREGON 97201
503-229-5039
ORR.JIM@DEQ.STATE.OR.US

From: DANA Kevin
Sent: Monday, February 08, 2010 2:19 PM
To: ORR Jim
Cc: DANA Kevin
Subject: Schnitzer Steel - Burgard

Jim,

Last month we received a report of a leaking underground storage tank at the Schnitzer Steel Products Company site, located at 12005 N. Burgard Way in Portland. More recently we received a decommissioning and cleanup report. (LUST file #26-10-0019).

There appears to be two Cleanup projects at this site address (Northwest Pipe Company [ECSI #138] and Schnitzer Burgard Industrial Park [ECSI #2355]), both of which show you as the project manager. So, the question we always ask in these cases is whether you would like to take the lead in reviewing and approving the tank cleanup or whether you would prefer to have us do it. We really don't have a preference one way or the other.

Thanks! Kevin

SCHNITZER STEEL INDUSTRIES, INC.
3200 NW Yeon Avenue PO Box 10047 Portland, Oregon 97296-0047
Phone (503) 286-5771 FAX (503) 286-6948

January 27, 2010

Mr. Michael Kortenhof
Department of Environmental Quality
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987

RE: Initial (Twenty Day) Report Form for UST Cleanup Projects
DEQ File # 26-10-0019

Dear Mr. Kortenhof,

In response to your letter dated 12 January 2010, Schnitzer Steel Industries is submitting the attached Initial (Twenty Day) Report Form for UST Cleanup Projects and associated laboratory data.

Soil and water samples were taken at the beginning of the project on 05 January 2010 with the initial removal of the tanks. Water samples were tested for TPH-Dx, TPH-Gx, VOCs, & PAHs. The laboratory report indicated that all water samples resulted in a Not Detected for all parameters.

A total of twelve soil samples were submitted to the laboratory to be tested for TPH-Dx & TPH-Gx. All twelve samples returned a result of Not Detected for Gasoline and Heavy Oil. However, five of the twelve samples detected diesel. Schnitzer Steel Industries' contractor, CAESCO conducted excavation services and removed approximately 5 tones of contaminated soil. Contaminated soil was disposed of at Waste Management's Hillsboro landfill. When the excavation was completed, five additional soil samples were taken and analyzed for TPH-Dx. All five samples resulted in a not-detected reading for Diesel.

If you have any additional question or concerns, please contact me at 503-737-6848.

Sincerely,

Corey Bailey
Regional Environmental Manager

Enclosures
- Initial (Twenty Day) Report Form for UST Cleanup Projects
- Laboratory Data

DEQ
State of Oregon Department of Environmental Quality

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND STORAGE TANK PROGRAM

DEPT OF ENVIRONMENTAL QUALITY RECEIVED
JAN 29 2010
NORTHWEST REGION

Initial (Twenty Day) Report Form for UST Cleanup Projects

This report is due twenty (20) days from the date of the release.

DEQ USTC File No. 26-10-0019

DEQ Facility ID No. 26-6299-2009-OPER

Site Name: Schnitzer Steel Products Co.

Site Address: 12005 N Burgard Way, Portland, OR 97203

INITIAL CLEANUP INFORMATION

(1) Type of contamination (check √ all that apply):

☐ Gasoline ☑ Diesel ☐ Waste Oil ☐ Heating Oil

☐ Other (specify) _____

(2) Estimate quantity of release (based on information known to date – ● select only one):

◉ <100 gal. ○ 100-499 gal. ○ 500-999 gal. ○ 1,000-5,000 gal. ○ >5,000 gal.

SITE INFORMATION (check √ yes or √ no)

(3) ☑ Y ☐ N Did any water enter the excavation? If yes, please describe and identify the depth to groundwater in feet below ground surface: Rain entered during excavation, Ground water is at approximately 15 feet

(4) ☐ Y ☑ N Was a sheen or odor observed on any water in the excavation?

Note: If groundwater is encountered, soil samples from the soil/water interface must be collected and analyzed for BTEX and by the appropriate TPH method.

At sites where diesel or other non-gasoline products have been released, the water may also have to be screened or tested for polynuclear aromatic hydrocarbons (PAHs). *Please refer to OAR 340-122-0218.*

(5) ☐ Y ☑ N Was water pumped from the excavation?

☐ Y ☐ N If yes, did groundwater recharge within 24 hours after pumping?

Please describe the pumping procedure and disposal option selected for the purged excavation water:

Not Applicable

(6) ☑ Y ☐ N Were any water samples collected from the excavation? If yes, please describe:

Water samples were taken and analyzed for TPH-Dx and TPH-Gx. Sample results for both were Not Detected for water samples

(7) ☑ Y ☐ N Have any soil and/or water sample results been received at this time?

If so, please attach any lab reports.

IF GROUNDWATER HAS BEEN ENCOUNTERED, PLEASE ANSWER QUESTIONS #8-13, BELOW.
IF NO WATER HAS BEEN ENCOUNTERED, PLEASE SKIP TO QUESTION #14

(8) What are the known uses of groundwater within a 500-foot radius of the release site (check √ all that apply)?

☐ non-use ☑ industrial ☐ agricultural ☐ drinking supply

(9) If groundwater in this area is being used as a drinking water supply, please check √ the type and size of population served by the supply:

☐ Community (community well used for drinking water year round – • select only one)

size: ○ <1,000 people ○ 1,000 - 5,000 people ○ >5,000 people

☐ Intermittent use (public water used for drinking water only on a part-time basis – • select only one)

size: ○ <50 people ○ 50 - 300 people ○ > 300 people

☐ Private wells (individual private well or wells used for drinking water – • select only one)

size: ○ <10 people ○ 10 - 25 people ○ >25 people

(10) ☐ Y ☑ N Is there any evidence this water supply has been or is likely to be impacted from the petroleum product release? If yes, estimate how difficult it would be to replace the existing supply:

☐ bottled water is the only alternative

☐ on-site water treatment; bulk water delivery; new wells are available

☐ able to connect to existing water supply

☐ do not know what alternatives would be available

(11) ☐ Y ☑ N Are/were vapors present in on-site or nearby buildings? If yes:

A. Are you monitoring and/or mitigating any potential fire and safety hazards posed by vapors and free product? Explain: Not Applicable

B. Estimate the number of people potentially affected by vapors – • select only one:

○ 1-2 people ○ 3-10 people ○ >10 people

(12) ☐ Y ☑ N Are vapors or is petroleum contamination present in the utility corridors?

If yes, please explain: Not Applicable

(13) ☐ Y ☑ N Are natural areas located within 1/4 mile of the site? If so, please describe types (parks, rivers, wetlands, sensitive habitats, *etc.*) and proximity: Not Applicable

(14) ☑ Y ☐ N If groundwater was not encountered in the excavation, do you believe that this cleanup project can be conducted under the requirements for an UST Cleanup Matrix site? If yes, then refer to OAR 340-122-0305 through 0360.

AREA/SITE CONDITIONS:

(15) Mean annual rainfall: ○ <20 inches ◉ 20-45 inches ○ >45 inches

(16) Soil type(s) of the naturally occurring soils, not the backfill around the tank – • select only one:

○ clays, compact tills, shales, and unfractured metamorphic and igneous rocks

○ sandy loams, loamy sands, silty clays, clay loams, moderately permeable limestone, dolomite, sandstones, moderately fractured igneous and metamorphic rock

◉ fine and silty sands, sands and gravels, highly fractured igneous and metamorphic rock, permeable basalts and lavas, karst limestones and dolomites

SOIL MANAGEMENT

(17) If soil sample results have been received:

☑ Y ☐ N Will the level of contamination detected require removal of contaminated soil for treatment or disposal?

(18) All contaminated soil temporarily stockpiled on-site prior to treatment or disposal must be contained within a bermed area, kept covered, and the entire area secured to prevent unauthorized access by the public. If you haven't done this, please explain why:

Not Applicable

Note: It is a violation to stockpile petroleum contaminated soil (PCS) on-site for greater than 30 days without a DEQ Solid Waste Letter Authorization (SWLA) Permit.

(19) If contaminated soil is currently stockpiled on-site, please indicate when disposal will occur or when treatment will begin: _____

(20) Estimated volume of contaminated soil (specify tons or cubic yards): 5 tons

(21) Intended disposition of soils (please • select only one):

○ On-site/off-site treatment, Solid Waste Letter Authorization Permit Application attached.

○ Thermal treatment off-site at an authorized facility.
Facility name: _____

◉ Landfill disposal.
Name of Landfill: Waste Management - Hillsboro

Note: Please attach additional information as necessary to explain any unusual circumstances associated with this project.

This initial report is intended to provide the Department with the basic initial information about activities associated with the release. Future reports should provide a more detailed and complete picture of the cleanup project.

Please be aware that a DEQ permit/authorization is required for the following activities:

1) Soil aeration, bioremediation (on-site or off-site), or on-site thermal treatment.

2) Water discharges to a stream/storm drain from the excavation or treatment tank.

If these activities will be included in your cleanup project, contact the regional DEQ office for the appropriate application forms, information on permit fees and guidance documents.

THIS REPORT WAS PREPARED BY:

Individual: Corey Bailey Date: 1/27/10

Company: Schnitzer Steel Products Co. Phone: 503-737-6848

Address: 12005 N Burgard Way

PO Box 10047

City: Portland State OR Zip 97296

1. Please return this form to the regional office in which the site is located. If you have questions, call the contact person in your regional office.

2. For all tanks, except heating oil tanks, you must submit an *UST Decommissioning Checklist and Site Assessment Report* to the appropriate regional office within 30 days of the UST decommissioning. Failure to do so can result in delays to your project and may result in continued billing for the annual tank permit fees.

3. Addresses and phone numbers for the regional offices can be found in the *UST Cleanup Manual* or viewed and downloaded from this DEQ Webpage: http://www.deq.state.or.us/about/locations.htm

4. Copies of the *UST Cleanup Manual* and other UST program forms and checklists can be viewed and downloaded from DEQ's Website: http://www.deq.state.or.us/lq/tanks/ust/index.htm

or in the Portland area by calling Steve Paiko at 503-229-6652

or outside the Portland area leaving a message on the UST Help Line (toll-free in Oregon) at 1-800-742-7878

KEEP A COPY OF THIS REPORT FOR YOUR FACILITY RECORDS

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

SITE NAME: Schmitzer Steel
SITE LOCATION: 12005 N Burgard Way
PROJECT NUMBE 919

REPORT NUMBER: 76322
REPORT DATE: 1/5/10

NW-TPHHCID
Analytes: Gasoline, Diesel and Heavy Oil range petroleum Identification

Field ID	LAB ID	Gasline (mg/Kg)	Diesel (mg/Kg)	Heavy Oil (mg/Kg)	Surrogate Recovery (%)	AB	PB	Sampling Date
1 @ 14	B1448	ND	Detected	ND	*	78FL100104-1	D100104-1	1/4/2010
2 @ 14	B1449	ND	Detected	ND	*	78FL100104-1	D100104-1	1/4/2010
3 @ 14	B1450	ND	Detected	ND	*	78FL100104-1	D100104-1	1/4/2010
5 @ 14	B1451	ND	Detected	ND	*	78FL100104-1	D100104-1	1/4/2010
6 @ 14	B1452	ND	Detected	ND	*	78FL100104-1	D100104-1	1/4/2010
7 @ 14	B1453	ND	ND	ND	116%	78FL100104-1	D100104-1	1/4/2010
8 @ 14	B1454	ND	ND	ND	125%	78FL100104-1	D100104-1	1/4/2010
N @ 11	B1455	ND	ND	ND	119%	78FL100104-1	D100104-1	1/4/2010
S @ 11	B1456	ND	ND	ND	121%	78FL100104-1	D100104-1	1/4/2010
E @ 11	B1457	ND	ND	ND	121%	78FL100104-1	D100104-1	1/4/2010
W @ 11	B1458	ND	ND	ND	111%	78FL100104-1	D100104-1	1/4/2010
Reporting Limit:	--	20	50	100				

Surrogate is 1-ChloroOctadecane
*Surrogate Peak Obscured by Analyte Interference

Results relate only to samples

Chemist Initials: C.Y. Chan

Quality Control for NWTPH-HCID

Batch Date: 1/4/10

QC Blank Sample Number	PB	Gas Result (mg/Kg)	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	Blank CONTROL	Surrogate Recovery	Surrogate Control
SBLANK1	D100104-	0	0	0	PASS	108%	PASS

CCV Gas Sample Number	Analytical Batch	Gas Result	Gasoline CCV CONTROL
GAS	78FL100104-1	Detected	PASS

CCV Diesel Sample Number	Analytical Batch	Diesel Result	Diesel CCV CONTROL
DXCCV1	78FL100104-1	Detected	PASS

CCV Oil Sample Number	Analytical Batch	Oil Result	% Difference	CCV Control Limit (%)	Oil CCV CONTROL
OILCCV1	78FL100104-1	Detected			PASS

QC LCS Sample Number	PB	Diesel Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	LCS Spike CONTROL	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSD1	D100104-1	376.40	357.14	105%	±30%	PASS	119%	50%-150%

QC LCS Sample Number	PB	Oil Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	LCS Spike CONTROL	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSO1	D100104-1	379.82	357.14	106%	±30%	PASS	114%	50%-150%

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

SITE NAME: Schmitzer Steel
SITE LOCATION: 12005 N Burgard Way
PROJECT NUMBER: 919

REPORT NUMBER: 76322
REPORT DATE: 1/5/10

NW-TPHDx
Analytes: Total Diesel and Heavy Oil range petroleum in Soil

Field ID	LAB ID	Diesel (mg/Kg)	Heavy Oil (mg/Kg)	Surrogate Recovery (%)	AB	PB	Sampling Date
1 @ 14	B1448	844	ND	*	78F100104-1	D100104-1	1/4/2010
2 @ 14	B1449	5520	ND	*	78F100104-1	D100104-1	1/4/2010
3 @ 14	B1450	4690	ND	*	78F100104-1	D100104-1	1/4/2010
5 @ 14	B1451	700	ND	*	78F100104-1	D100104-1	1/4/2010
6 @ 14	B1452	14500	ND	*	78F100104-1	D100104-1	1/4/2010
Reporting Limit:	--	50	100				

Surrogate is 1-ChloroOctadecane
*Surrogate Peak Obscured by Analyte Interference

Results relate only to samples

Chemist Initials: C.Y. Chan

Quality Control for NWTPH-D

Batch Date: 1/4/2010

QC Blank Sample Number	PB	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	Blank Control Limits Diesel (mg/Kg)	Blank Control Limits Oil (mg/Kg)	Surrogate Recovery	Blank Surrogate Control Limit (%)
SBLANK1	D100104-1	0	0	50	100	108%	50%-150%

QC LRB Sample Number	AB	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	LRB Control Limit Diesel (mg/Kg)	LRB Control Limit Oil (mg/Kg)	Surrogate Recovery	LRB Surrogate Control Limit (%)

CCV Diesel Sample Number	Analytical Batch	Measured Concentration in extract (ug/mL)	Theoretical Concentration (ug/mL)	% Difference	CCV Control Limit (%)
DXCCV1	78F100104-1	471.19	500	-5.76%	±20%
DXCCV2	78F100104-1	480.73	500	-3.85%	±20%

CCV Oil Sample Number	Analytical Batch	Measured Concentration in Extract (ug/mL)	Theoretical Concentration in Extract (ug/mL)	% Difference	CCV Control Limit (%)
OILCCV1	78F100104-1	391.41	400	-2.15%	±20%
OILCCV2	78F100104-1	393.73	400	-1.57%	±20%

Diesel QC LCS Sample Number	PB	Diesel Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSD1	D100104-1	354.16	357.14	99%	±30%	119%	50%-150%
SLCSD2	D100104-2	366.43	357.14	103%	±30%	142%	50%-150%

Oil QC LCS Sample Number	PB	Oil Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSO1	D100104-1	349.07	357.14	98%	±30%	114%	50%-150%
SLCSO2	D100104-2	348.99	357.14	98%	±30%	115%	50%-150%

Wy'East
Environmental Sciences, Inc.
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CHAIN OF CUSTODY

Report Number 76322

Phone(503) 231-9320 FAX(503) 231-9344

Company: CAESCO		Phone: 503-492-0977	
Project #: 919		FAX: 503-665-0348	
Project Name: Schnitzer Steel		Purchase Order #:	
Site: 12005 N Burgard Way Port		Report Attention: Kay T	Collected By: Kay T / Tim O
Samples: Temperature D	On Ice? (Yes) / No	Turnaround Time: [X] Regular [ ] 3-5 Business Days	

LAB ID	Field ID	Sampling Date	Sampling Time	Matrix	Container	Volume	NW-TPH-Dx	NW-TPH-GX	NW-TPH-HCID	EPA 8021B (BTEX)	EPA 8270 SIM (PAH)	EPA 8260B	Analysis Requested
B1447	Pit Water	1-4-10	10:30	WTR	Jars 1605	1LTR	X	X				X	PAH
B1448	1 @ 14	1-4-10	10:35	SOIL	JAR	4oz			X				
B1449	2 @ 14		10:39						X				
B1450	3 @ 14		10:43						X				
B1451	5 @ 14		10:48						X				
B1452	6 @ 14		10:52						X				
B1453	7 @ 14		10:55						X				
B1454	8 @ 14		11:00						X				
B1455	N @ 11		11:10						X				
B1456	S @ 11		11:17						X				
B1457	E @ 11		11:23						X				
B1458	W @ 11		11:34						X				

Comments

Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
Kay Thompson	CAESCO	1-4-10		W		1/4/10	1200
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time

Phone (503) 231-9320 FAX (503) 231-9344

2415 SE 11th Ave., Portland, OR 97214

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

PROJECT NAME:	Schmitzer Steel	**REPORT NUMBER:**	76322
SITE LOCATION:	12005 N Burgard Way	**REPORT DATE:**	1/5/2010
PROJECT NUMBER:	919	**PAGE:**	1 of 1

NW-TPHGx
Analytes: Gasoline in Water

Field ID	LAB ID	Gasoline (µg/L)	Surrogate Recovery (%)	Analytical Batch	Sampling Date
Pit Water	B1447	**ND**	**100%**	58PI100104-1	1/4/2010
Reporting Limit:	--	**100**			

Surrogate is p-Bromofluorobenzene

This is a NELAP accredited method
Results relate only to samples

Chemist Initials C.Y. Chan

2415 SE 11th Ave., Portland, OR 97214 Phone (503) 231-9320 FAX (503) 231-9344

Quality Control for Gasoline in Water by NWTPH-Gx

Batch Date: 1/4/2010

Calibration Verification	Analytical Batch	Result (µg/L)	Theoretical Result (µg/L)	Percent Difference	Acceptable Range
CCVLCS	58PI100104-1	954	1,000	5%	±20%
CCV2	58PI100104-1	924	1,000	8%	±20%

Matrix Blank	Analytical Batch	Result (µg/L)	Theoretical Result (µg/L)	Surrogate Recovery	Surrogate Acceptable Range
WBLANK	58PI100104-1	35	<100	89%	50%-150%

Matrix Spike	Analytical Batch	Result (µg/L)	Theoretical Result (µg/L)	Percent Recovery	Acceptable Range
CCVLCS	58PI100104-1	954	1,000	95%	70%-130%

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REVISED LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

SITE NAME: Schmitzer Steel
SITE LOCATION: 12005 N Burgard Way
PROJECT NUMBER: 919

REPORT NUMBER: 76322R1
REPORT DATE: 1/6/10

NW-TPHDx
Analytes: Total Diesel and Heavy Oil range petroleum in water

Field ID	LAB ID	Diesel (mg/L)	Heavy Oil (mg/L)	Surrogate Recovery (%)	AB	PB	Sampling Date
Pit Water	B1447	**ND**	**ND**	128%	78F100105-1	D100105-1	1/4/2010
Reporting Limit:	--	**0.08**	**0.5**				

Surrogate is 1-ChloroOctadecane

Results relate only to samples

*QC passed, however, we are currently investigating a low PT result. Until this matter is resolved we are flagging the results as low biased estimates.

Chemist Initials: C.Y Chan

Quality Control for NWTPH-Dx

Batch Date: 1/5/2010

QC Blank Sample Number	PB	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	Blank Control Limits Diesel (mg/Kg)	Blank Control Limits Oil (mg/Kg)	Surrogate Recovery	Blank Surrogate Control Limit (%)
SBLANK1	D100105-1	0	0	50	100	116%	50%-150%
WBLANK	D100105-1	0.00	0.00	0.08	0.5	131%	50%-150%
SBLANK2	D100105-2	0	0	50	100	127%	50%-150%

QC LRB Sample Number	AB	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	LRB Control Limit Diesel (mg/Kg)	LRB Control Limit Oil (mg/Kg)	Surrogate Recovery	LRB Surrogate Control Limit (%)

CCV Diesel Sample Number	Analytical Batch	Measured Concentration in extract (ug/mL)	Theoretical Concentration (ug/mL)	% Difference	CCV Control Limit (%)
DXCCV1	78F100105-1	496.51	500	-0.70%	±20%
DXCCV2	78F100105-1	488.96	500	-2.21%	±20%

CCV Oil Sample Number	Analytical Batch	Measured Concentration in Extract (ug/mL)	Theoretical Concentration in Extract (ug/mL)	% Difference	CCV Control Limit (%)
OILCCV1	78F100105-1	383.60	400	-4.10%	±20%
OILCCV2	78F100105-1	378.31	400	-5.42%	±20%

Diesel QC LCS Sample Number	PB	Diesel Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSD1	D100105-1	341.05	357.14	95%	±30%	148%	50%-150%
SLCSD2	D100105-2	367.66	357.14	103%	±30%	114%	50%-150%

Oil QC LCS Sample Number	PB	Oil Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSO1	D100105-1	334.95	357.14	94%	±30%	116%	50%-150%
WLCSO	D100105-1	232.73	289.13	80%	±30%	135%	50%-150%
SLCSO2	D100105-2	333.62	357.14	93%	±30%	117%	50%-150%

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

PROJECT NAME:	Schmitzer Steel	**REPORT NUMBEF**	76322
SITE LOCATION:	12005 N Burgard Way	**REPORT DATE:**	1/6/10
PROJECT NUMBER:	919	**EXTRACTION DA**	P1/5/2010
RUN DATE	1/5/10	**ACQ. ON:**	5Jan2010 8:32
FIELD ID:	Pit Water	**LAB ID:**	B1447W

Oregon PAH GC/MS-SIM
Analyte: Polynuclear Aromatic Hydrocarbon (PAH's) in Water

Compound	Sample (ug/L)	Quant. Limit (ug/L)	Qualifier	Dilution
Naphthalene	ND	0.1		1
Acenaphthylene	ND	0.1		1
Acenaphthene	ND	0.1		1
Fluorene	ND	0.1		1
Phenanthrene	ND	0.1		1
Anthracene	ND	0.1		1
Fluoranthene	ND	0.1		1
Pyrene	ND	0.1		1
Benzo(a)anthracene	ND	0.1		1
Chrysene	ND	0.1		1
Benzo(b)Fluoranthene	ND	0.1		1
Benzo(k)fluoranthene	ND	0.1		1
Benzo(a)pyrene	ND	0.1		1
Indeno(1,2,3-cd)pyrene	ND	0.1		1
Dibenzo(a,h)anthracene	ND	0.1		1
Benzo(ghi)perylene	ND	0.1		1

Surrogate:	Percent Recovery
1-chloro-octadecane	**145**

Chemist Initials: Aye

2415 SE 11th Ave., Portland, OR 97214 Phone (503) 231-9320 FAX (503) 231-9344

Wy'East
Wy'East Environemtal Sciences,Inc.
2415 SE 11th Ave
Portland OR 97214
Ph (503) 231-9320
Fax (503) 231-9344

QUALITY CONTROL REPORT

Oregon DEQ PAH 8270-SIM

Analyte: Polynuclear Aromatic Hydrocarbon (PAH's) in Water by GC-MS

Run Date:	1/5/2010	Prep Date:	P1-5-10
Report Date:	1/6/2010	Analytical batch:	PAH100105
Tune Check:	13 Target masses out of 13	Start of 12hr windows:	5Jan2010 5:22pm
Analyst:	aye		

Analyst	WBLANK (ug/L)	LCS (ug/L)	Expected (ug/L)	Recovery (%)
Naphthalene	<0.1	3.20	2.58	124
Acenaphthylene	<0.1	3.23	2.71	119
Acenaphthene	<0.1	3.16	2.66	119
Fluorene	<0.1	3.31	2.87	115
Phenanthrene	<0.1	2.76	2.72	101
Anthracene	<0.1	2.75	2.53	109
Fluoranthene	<0.1	2.44	2.69	91
Pyrene	<0.1	2.56	2.64	97
Benzo(a)Anthracene	<0.1	2.80	2.64	106
Chrysene	<0.1	3.04	2.92	104
Benzo(b)Fluoranthene	<0.1	2.93	2.73	107
Benzo(k)Fluoranthene	<0.1	2.88	2.64	109
Benzo(a)Pyrene	<0.1	2.68	2.37	113
Indeno(1,2,3-cd)Pyrene	<0.1	2.67	2.33	115
Dibenzp(a,h)Anthracene	<0.1	2.31	2.30	100
Benzo(g,h,i)Perylene	<0.1	2.53	2.39	106
Control:				70%-130%

Surrogate recovery:	153	142	
Surrogate Acceptable Limits:	50%-150%	50%-150%	

Wy'East
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2415 SE 11th Ave
Portland OR 97214
Ph (503) 231-9320
Fax (503) 231-9344

QUALITY CONTROL REPORT

Oregon DEQ PAH 8270-SIM

Analyte: Polynuclear Aromatic Hydrocarbon (PAH's) in Water by GC-MS

Prep Date P1-5-10 Analytical batch: PAH100105

Analyte	CCV1 (ug/L)	Recovery (%)	CCV2 (ug/L)	Recovery (%)
Naphthalene	1936.43	97	1966.27	98
Acenaphthylene	1877.37	94	1869.91	93
Acenaphthene	1913.77	96	1900.14	95
Fluorene	2111.62	106	2052.44	103
Phenanthrene	1742.67	87	1644.61	82
Anthracene	1731.75	87	1669.49	83
Fluoranthene	1737.06	87	1616.27	81
Pyrene	1713.36	86	1611.12	81
Benzo(a)Anthracene	1847.81	92	1626.44	81
Chrysene	2073.96	104	2005.67	100
Benzo(b)Fluoranthene	1782.31	89	1686.85	84
Benzo(k)Fluoranthene	1786.15	89	1643.30	82
Benzo(a)Pyrene	1742.76	87	1823.11	91
Indeno(1,2,3-cd)Pyrene	1642.17	82	1650.95	83
Dibenzo(a,h)Anthracene	1615.50	81	1604.64	80
Benzo(g,h,i)Perylene	1686.53	84	1675.12	84

Control:		80% - 120%		80% - 120%

* QC result fails this compound

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

PROJECT NAME:	Schmitzer Steel	**INSTRUMENT**	SolaTek
SITE LOCATION:	12005 N Burgard Way	**REPORT NUMBER:**	76322
PROJECT NUMBER:	919	**REPORT DATE:**	1/5/10
LAB ID:	B1447	**RUN DATE:**	4Jan20109:22pm
FIELD ID:	Pit Water	**PREP. BATCH:**	V100104
		ANAL. BATCH:	8260100104-1
		ANALYST:	jmm

EPA 8260C
Analyte: Volatile Organics in Water

Compound	Sample (ug/L)	Report. Limit (ug/L)	Qualifier	Dilution Factor
benzene	ND	0.30		1
bromobenzene	ND	2		1
bromochloromethane	ND	2		1
bromodichloromethane	ND	2		1
bromoform	ND	2		1
2-butanone	ND	15	g, k,	1
n-butylbenzene	ND	2		1
sec-butylbenzene	ND	2		1
tert-butylbenzene	ND	2		1
chlorobenzene	ND	2		1
chloroethane	ND	2		1
chloroform	ND	2		1
chloromethane	ND	2		1
2-chlorotoluene	ND	2		1
4-chlorotoluene	ND	2		1
dibromochloromethane	ND	2		1
1,2dibromo3-chloropropane	ND	2		1
1,2-dibromoethane	ND	0.10		1
dibromomethane	ND	2		1
1,2-dichlorobenzene	ND	2		1
1,3-dichlorobenzene	ND	2		1
1,4-dichlorobenzene	ND	2		1
1,1-dichloroethane	ND	2		1
1,2-dichloroethane	ND	0.10		1
1,1-dichloroethene	ND	2		1
cis-1,2-dichloroethene	ND	2		1
trans-1,2-dichloroethene	ND	2		1
1,2-dichloropropane	ND	2		1
1,3-dichloropropane	ND	2		1
1,1-dichloropropene	ND	2		1
cis-1,3-dichloropropene	ND	2		1

FIELD ID: Pit Water **LAB ID:** B1447

EPA 8260C

Analyte: Volatile Organics in Water

Compound	Sample (ug/L)	Report. Limit (ug/L)	Qualifier	Dilution Factor
trans-1,3-dichloropropene	ND	2		1
ethylbenzene	ND	1		1
hexachlorobutadiene	ND	2		1
2-hexanone	ND	15		1
isopropylbenzene	ND	2		1
p-Isopropyltoluene	ND	2		1
methyl-tert-butylether(MTBE)	ND	2		1
4-methyl-2-pentanone	ND	15		1
naphthalene	ND	0.25		1
n-propyl-benzene	ND	2		1
styrene	ND	2		1
1,1,1,2-tetrachloroethane	ND	2		1
1,1,2,2-tetrachloroethane	ND	2		1
tetrachloroethylene	ND	2		1
toluene	ND	1		1
1,2,3-trichlorobenzene	ND	2		1
1,2,4-trichlorobenzene	ND	2		1
1,1,1-trichloroethane	ND	2		1
1,1,2-trichloroethane	ND	2		1
trichloroethene	ND	2		1
trichlorofluoromethane	ND	2		1
1,2,3-trichloropropane	ND	2		1
1,2,4-trimethlybenzene	ND	2		1
1,3,5-trimethylbenzene	ND	2		1
vinyl chloride	ND	2		1
xylene(m&p)	ND	2		1
o-xylene	ND	2		1
total xylenes	ND	2		1

Surrogate:	1,2-dichloroethane-d4	toluene-d8	p-bromofluorobenzene
Percent Recovery	96	89	97

Analyst

g - CCV fails this compound low, result should be considered an estimate

k - LCS fails this compound low, result should be considered an estimate.

Results relate only to samples

Wy'East
Wy'East Environemtal Sciences,Inc.

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Portland OR 97214
Ph (503) 231-9320
Fax (503) 231-9344

QUALITY CONTROL REPORT

EPA 8260C
Analyte: Volatile Organics in Water by GC-MS

Run Date: 1/4/2010
Report Date: 1/5/2010
Tune Check: 9 out of 9
Analyst:

Prep batch: P1-4-10
Analytical batch: STRA100104
Start of 12hr 4Jan2010 8:48pm

Analyte	BLANK (ug/L)	LCS (ug/L)	Expected (ug/L)	Recovery (%)	CCV (ug/L)	Expected (ug/L)	Recovery (%)
benzene	<0.3	11.01	10	110	11.01	10	110
bromobenzene	<2	9.55	10	96	9.55	10	96
bromochloromethane	<2	9.69	10	97	9.69	10	97
bromodichloromethane	<2	9.66	10	97	9.66	10	97
bromoform	<2	11.15	10	112	11.15	10	112
2-butanone	<15	19.22	40	48.05*	19.22	40	48.05*
n-butylbenzene	<2	11.47	10	115	11.47	10	115
sec-butylbenzene	<2	10.04	10	100	10.04	10	100
tert-butylbenzene	<2	9.54	10	95	9.54	10	95
chlorobenzene	<2	10.15	10	102	10.15	10	102
chloroethane	<2	9.56	10	96	9.56	10	96
chloroform	<2	9.10	10	91	9.1	10	91
chloromethane	<2	9.00	10	90	9	10	90
2-chlorotoluene	<2	9.23	10	92	9.23	10	92
4-chlorotoluene	<2	9.35	10	94	9.35	10	94
dibromochloromethane	<2	10.80	10	108	10.8	10	108
1,2dibromo3-chloropropane	<2	8.30	10	83	8.3	10	83
1,2-dibromoethane	<0.1	9.94	10	99	9.94	10	99
dibromomethane	<2	8.99	10	90	8.99	10	90
1,2-dichlorobenzene	<2	9.67	10	97	9.67	10	97
1,3-dichlorobenzene	<2	9.68	10	97	9.68	10	97
1,4-dichlorobenzene	<2	9.69	10	97	9.69	10	97
1,1-dichloroethane	<2	9.62	10	96	9.62	10	96
1,2-dichloroethane	<0.1	8.57	10	86	8.57	10	86
1,1-dichloroethene	<2	9.48	10	95	9.48	10	95
cis-1,2-dichloroethene	<2	10.03	10	100	10.03	10	100
trans-1,2-dichloroethene	<2	10.57	10	106	10.57	10	106
1,2-dichloropropane	<2	9.40	10	94	9.4	10	94
1,3-dichloropropane	<2	9.43	10	94	9.43	10	94
1,1-dichloropropene	<2	9.95	10	100	9.95	10	100

QUALITY CONTROL REPORT Prep batch: P1-4-10

cis-1,3-dichloropropene	<2	9.42	10	94	9.42	10	94
trans-1,3-dichloropropene	<2	8.60	10	86	8.6	10	86
ethylbenzene	<1	10.20	10	102	10.2	10	102
hexachlorobutadiene	<2	9.73	10	97	9.73	10	97
2-hexanone	<15	47.77	40	119	47.77	40	119
isopropylbenzene	<2	9.69	10	97	9.69	10	97
p-Isopropyltoluene	<2	9.84	10	98	9.84	10	98
methyl-tert-butylether(MTBE)	<2	8.07	10	81	8.07	10	81
4-methyl-2-pentanone	<15	37.18	40	93	37.18	40	93
naphthalene	<0.25	9.32	10	93	9.32	10	93
n-propyl-benzene	<2	10.10	10	101	10.1	10	101
styrene	<2	9.24	10	92	9.24	10	92
1,1,1,2-tetrachloroethane	<2	9.72	10	97	9.72	10	97
1,1,2,2-tetrachloroethane	<2	9.39	10	94	9.39	10	94
tetrachloroethylene	<2	10.72	10	107	10.72	10	107
toluene	<1	9.61	10	96	9.61	10	96
1,2,3-trichlorobenzene	<2	9.29	10	93	9.29	10	93
1,2,4-trichlorobenzene	<2	10.04	10	100	10.04	10	100
1,1,1-trichloroethane	<2	9.37	10	94	9.37	10	94
1,1,2-trichloroethane	<2	8.62	10	86	8.62	10	86
trichloroethene	<2	10.16	10	102	10.16	10	102
trichlorofluoromethane	<2	9.36	10	94	9.36	10	94
1,2,3-trichloropropane	<2	8.95	10	90	8.95	10	90
1,2,4-trimethlybenzene	<2	9.54	10	95	9.54	10	95
1,3,5-trimethylbenzene	<2	9.71	10	97	9.71	10	97
vinyl chloride	<2	8.44	10	84	8.44	10	84
xylene(m&p)	<2	19.99	20	100	19.99	20	100
o-xylene	<2	9.06	10	91	9.06	10	91
Control:				70%-130%			80%-120%

* QC Fails on this compound

Wy'East Environmental Sciences, Inc.
2415 SE 11th Ave. Portland Oregon 97214

CHAIN OF COUSTODY

Report Number 76322

Phone(503) 231-9320 FAX(503) 231-9344

Company: CAESCO	Phone: 503-492-0977		
Project #: 919	FAX: 503-665-0348		
Project Name: Schnitzer Steel	Purchase Order #:		
Site: 12005 N Burgard Way Ptld	Report Attention: Kay T	Collected By: Kay T / Tim O	
Samples: Temperature D On Ice? (Yes) No	Turnaround Time: [X] Regular [ ] 3-5 Business Days		

LAB ID	Field ID	Sampling Date	Sampling Time	Matrix	Container	Volume	NW-TPH-Dx	NW-TPH-GX	NW-TPH-HCID	EPA 8021B (BTEX)	EPA 8270 SIM (PAH)	EPA 8260B	Analysis Requested
B1447	Pit Water	1-4-10	10:30	WTR	Jars Voas	1 LTR	X	X				X	PAH
B1448	1 @ 14	1-4-10	10:35	Soil	Jar	4oz			X				
B1449	2 @ 14		10:39						X				
B1450	3 @ 14		10:43						X				
B1451	5 @ 14		10:48						X				
B1452	6 @ 14		10:52						X				
B1453	7 @ 14		10:55						X				
B1454	8 @ 14		11:00						X				
B1455	N @ 11		11:10						X				
B1456	S @ 11		11:17						X				
B1457	E @ 11		11:23						X				
B1458	W @ 11		11:34						X				

Comments

Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
Kay Thompson	CAESCO	1-4-10		W		1/4/10	12:00
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time

2415 SE 11th Ave., Portland, OR 97214
Phone (503) 231-9320 FAX (503) 231-9344

LABORATORY REPORT

CAESCO
4560 SE 282nd Ave.
Gresham, OR 97081

SITE NAME: Schnitzer Steel
SITE LOCATION: 12005 N. Burgard Way
PROJECT NUMBER: 919

REPORT NUMBER: 76433
REPORT DATE: 1/14/10

NW-TPHDx
Analytes: Total Diesel and Heavy Oil range petroleum in Soil

Field ID	LAB ID	Diesel (mg/Kg)	Heavy Oil (mg/Kg)	Surrogate Recovery (%)	AB	PB	Sampling Date
6 B @ 9'	B2338	**ND**	**ND**	95%	78F1001-13-1	D100113-1	1/13/2010
6 C2-S @ 5'	B2339	**ND**	**ND**	94%	78F1001-13-1	D100113-1	1/13/2010
6 B2 - E @ 6'	B2340	**ND**	**ND**	96%	78F1001-13-1	D100113-1	1/13/2010
2 B @ 6'	B2341	**ND**	**ND**	105%	78F1001-13-1	D100113-1	1/13/2010
2 B South	B2342	**ND**	**ND**	94%	78F1001-13-1	D100113-1	1/13/2010
Reporting Limit:	--	**50**	**100**				

Surrogate is 1-ChloroOctadecane

Results relate only to samples

Chemist Initials: C.Y Chan

Quality Control for NWTPH-D

Batch Date: 1/13/2010

QC Blank Sample Number	PB	Diesel Result (mg/Kg)	Oil Result (mg/Kg)	Blank Control Limits Diesel (mg/Kg)	Blank Control Limits Oil (mg/Kg)	Surrogate Recovery	Blank Surrogate Control Limit (%)
SBLANK1	D100113-1	0	0	50	100	99%	50%-150%
WBLANK	D100113-1	0.00	0.00	0.08	0.5	102%	50%-150%
SBLANK2	D100113-2	0	0	50	100	102%	50%-150%

CCV Diesel Sample Number	Analytical Batch	Measured Concentration in extract (ug/mL)	Theoretical Concentration (ug/mL)	% Difference	CCV Control Limit (%)
DXCCV1	78F1001-13-1	492.32	500	-1.54%	±15%
DXCCV2	78F1001-13-1	499.72	500	-0.06%	±15%

CCV Oil Sample Number	Analytical Batch	Measured Concentration in Extract (ug/mL)	Theoretical Concentration in Extract (ug/mL)	% Difference	CCV Control Limit (%)
OILCCV1	78F1001-13-1	398.69	400	-0.33%	±15%
OILCCV2	78F1001-13-1	394.45	400	-1.39%	±15%

Diesel QC LCS Sample Number	PB	Diesel Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSDO1	D100113-1	392.05	357.14	110%	±30%	113%	50%-150%
WLCS	D100113-1	354.39	359.46	99%	±30%	138%	50%-150%
SLCSDO2	D100113-2	363.80	357.14	102%	±30%	118%	50%-150%

Oil QC LCS Sample Number	PB	Oil Result in Extract (ug/mL)	Theoretical Spike Concentration (ug/mL)	LCS Spike Recovery (%)	LCS Spike Control Limits (ug/mL)	Surrogate Recovery	LCS Surrogate Control Limits (%)
SLCSDO1	D100113-1	336.68	357.14	94%	±30%	113%	50%-150%
WLCS	D100113-1	325.35	359.46	91%	±30%	138%	50%-150%
SLCSDO2	D100113-2	422.95	357.14	118%	±30%	118%	50%-150%

Wy'East Environmental Sciences, Inc.
2415 SE 11th Ave. Portland Oregon 97214

CHAIN OF CUSTODY

Report Number 76433

Phone(503) 231-9320 FAX(503) 231-9344

Company: CAESCO	Phone: 503-492-0977
Project #: 919	FAX: 503-665-0348
Project Name: SCHNITZER STEEL	Purchase Order #:
Site: 12005 N. Burgard Way Ptld	Report Attention: Kay T. — Collected By: Kay T
Samples: Temperature 17 On Ice? Yes No	Turnaround Time: [X] Regular [ ] 3-5 Business Days

LAB ID	Field ID	Sampling Date	Sampling Time	Matrix	Container	Volume	NW-TPH-Dx	NW-TPH-GX	NW-TPH-HCID	EPA 8021B (BTEX)	EPA 8270 SIM (PAH)	EPA 8260B	Comments / Analysis Requested
B2338	6B @ 7'	1-13-10	11:15	Soil	Jar	4oz	X						
B2339	6C2-S @ 5'		12:00				X						
B2340	6B2-E @ 6'		12:10				X						
B2341	2B @ 6'		12:30				X						
B2342	2B South		12:40				X						

Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
Kay Thompson	CAESCO	1-13-10		[signature]		1/13/10	1215
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time

Phone (503) 231-9320 FAX (503) 231-9344

2415 SE 11th Ave., Portland, OR 97214

file

Oregon
Theodore R. Kulongoski, Governor

Department of Environmental Quality
Northwest Region Portland Office
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
(503) 229-5263
Fax: (503) 229-6945
TTY: (503) 229-5471

January 12, 2010

JAMIE WILSON
SCHNITZER STEEL PRODUCTS CO
PO BOX 10047
PORTLAND OR 97296-0047

RE: Cleanup Needed for Petroleum Leak
Schnitzer Steel Products Co.
12005 N. Burgard Way, Portland
DEQ File No.: 26-10-0019

Dear Mr. Wilson,

The Oregon Department of Environmental Quality (DEQ) was notified on January 8, 2010 of a petroleum leak associated with an underground storage tank system at 12005 North Burgard Way in Portland, Oregon. This leak appears to have contaminated soil and groundwater with petroleum products.

We understand that you have current or past ownership or operational responsibility for the property and the underground storage tank system. Oregon law considers you a responsible party for environmental cleanup, and you are required to clean up this contamination to a level that protects human health and the environment. If you believe you are not a responsible party for this petroleum leak, please contact us immediately so that we can review the ownership and facility operation records for the property.

If you choose to hire and rely upon a qualified contractor or consultant, DEQ recommends that you still become familiar with Oregon's environmental cleanup requirements. A copy of the Underground Storage Tank Cleanup Manual and other guidance documents can be obtained by calling our toll-free number at 1-800-742-7878 or by visiting the following web sites:

http://www.deq.state.or.us/lq/pubs/docs/tanks/USTCleanupManual.pdf
http://www.deq.state.or.us/pubs/reports.htm#cuguidance

We are committed to helping you achieve a cost-effective environmental cleanup of this underground storage tank system. When the cleanup of this petroleum leak meets Oregon standards, DEQ will be able to close the file by issuing a "No Further Action" letter to you.

You will need DEQ oversight for your work to help you make sure that your environmental cleanup meets minimum regulatory and technical standards. Oregon law requires DEQ to invoice responsible parties for staff time spent on oversight of cleanup projects. DEQ tracks and bills for this time monthly, beginning with the reporting of the release and continuing through project

oversight and final site closure. Staff time may include reviewing reports, preparing correspondence, answering technical questions, meeting with you or your contractor, site inspections, and enforcement actions.

Please complete, sign, and submit the enclosed Cost Recovery Agreement if you would like to expedite assignment of a DEQ project manager to your site. Even if you do not sign the agreement, you are still responsible for investigation and/or cleanup of the contamination, as well as for DEQ oversight costs. Note that DEQ staff workloads are heavy and there may be a delay in assigning your cleanup project to a project manager.

Please also complete and return the enclosed 20-day Report within twenty (20) days from the date of this letter. You also have additional reporting obligations, as listed in the attachment, including due dates for various documents that you will need to provide to DEQ.

We realize that environmental cleanups are expensive and that our requirements can be difficult to understand, so please do not hesitate to contact us with any questions you may have. Please reference the DEQ file number and site name listed above in all inquiries and reports.

Sincerely,

Michael H. Kortenhof, Manager
UST Cleanup and Compliance Section

Enclosures

Leaking Underground Storage Tanks (LUST)

LUST Incident Reporting Form

Contacts Assessment Comments

R = Required
Incident Information

R Site Type: Heating Oil Tank ○ Regulated UST ◉ Non Regulated UST ○ Facility Id: 6299
R Site Name: SCHNITZER STEEL PRODUCTS CO. R County: Multnomah 08-JAN-2010
Street Nbr: Quadrant: Street Name: Type: Way
Other Address: 12005 N BURGARD WAY
R : Street Nbr and Street Name >> OR << Other Address.
R City: PORTLAND R Zip Code: 97203 Phone: 503-286-6982

Next Clear Screen

Leaking Underground Storage Tanks (LUST)

LUST Incident Reporting Form

Incident Assessment Comments

R = Required

Responsible Party — **Mail Contacts**

R : First and Last Name >> OR << Organization.

First Name: Jamie Last Name: Wilson
Organization: Schnitzer Steel R Address: 12005 N. Burgard Way
R City: Portland Address 2:
R State: Oregon R Zip Code: 97203
R Phone: 503-286-6982 E-Mail:

Invoice Contact ☑ Copy Responsible Party Data

R : First and Last Name >> OR << Organization.

First Name: Jamie Last Name: Wilson
Organization: Schnitzer Steel R Address: 12005 N. Burgard Way
R City: Portland Address 2:
R State: Oregon R Zip Code: 97203
R Phone: 503-286-6982 E-Mail:

Next

Leaking Underground Storage Tanks (LUST)

LUST Incident Reporting Form

Incident Contacts Comments

R = Required
Site Assessment

R Discover Date			R Confirmation	R Discovery	R Cause	R Source
07 (DD)	JAN (MON)	2010 (YYYY)	Lab:RP	Decommissioning	Other	Dispenser

Contaminants R : Select One Or More.

- ☐ Heating Oil
- ☐ Unleaded Gasoline
- ☐ Leaded Gasoline
- ☐ Misc.Gasoline
- ☑ Diesel (Motor Fuel)
- ☐ Waste Oil
- ☐ Lubricant
- ☐ Solvent
- ☐ Other Pet. Dist.
- ☐ Chemical
- ☐ MTBE
- ☐ Unknown

Impacted Media R : Select One Or More.

- ☑ Groundwater
- ☐ Surface Water
- ☐ Drinking Water
- ☑ Soil
- ☐ Vapor
- ☐ Free Product

Next

Leaking Underground Storage Tanks (LUST)

LUST Incident Reporting Form

Incident Contacts Assessment

Site Comments

Please Enter a Comment For the LUST Incident.

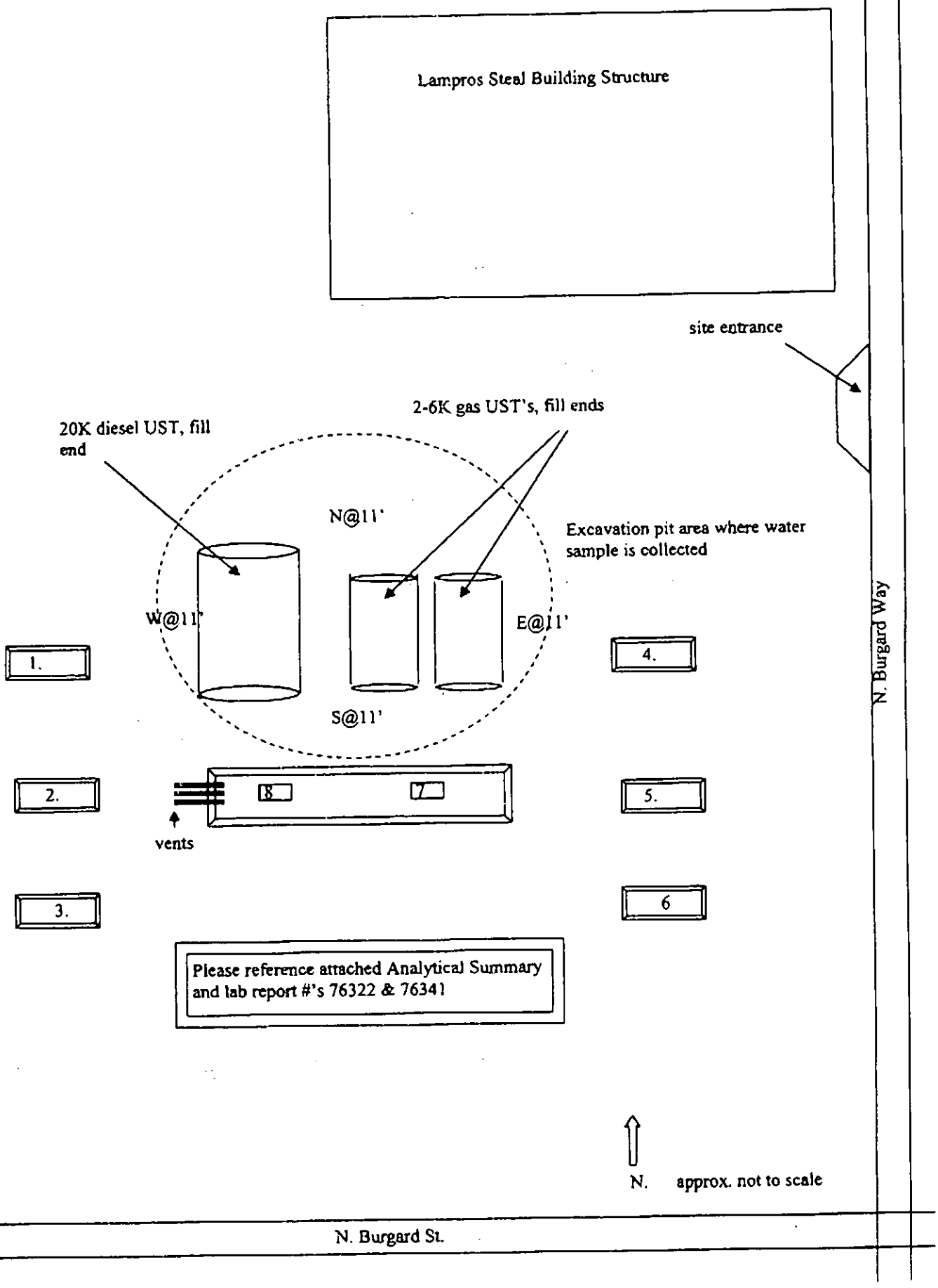
GW was encountered in the excavation pit. The pit was pumped and the water did recharge. All lab analysis for soil and water within the pit area revealed non-detects. See attached lab data. The problem appears to be beneath several of the dispensers.

Top

Finish/Submit Data | Review Your Entry | Clear Screen

Questions or comments? Contact DEQ's webmaster.

Schnitzer Steel
Site Sampling Map
12005 N Burgard Way
Portland, Or 97203
Facility ID# 6299



Analytical Summary
Schnitzer Steel
12005 N. Burgard Way
Portland, OR 97203

Soils

Lab Report #	Method	Field ID	Gas	Diesel	Heavy Oils	Quantification via TPH-Dx Results
76322	HCID	1@14"	ND	Detected	ND	844 ppm
		2@14"	ND	Detected	ND	5520 ppm
		3@14"	ND	Detected	ND	4690 ppm
		5@14"	ND	Detected	ND	700 ppm
		6@14"	ND	Detected	ND	14,500 ppm
		7@14"	ND	ND	ND	
		8@14"	ND	ND	ND	
		N@11'	ND	ND	ND	
		S@11'	ND	ND	ND	
		E@11'	ND	ND	ND	
		W@11'	ND	ND	ND	
76341		4@14"	ND	Detected	ND	3560 ppm

All soil results in mg/Kg

Water

Lab Report #	Method		Gas	Diesel
76322	TPH-Dx	pit water		ND
	TPH-Gx	pit water	ND	
	PAH	pit water	All constituents ND via PAH	
	8260	pit water	All constituents ND via 8260	