LUST FORM

INCIDENT INFORMATION

LUST Incident Nbr: ______ LUST Log Nbr: 34-89-287 UST Facility ID: N/A

Date Received: 11/21/89 Received By: LGGarner Emergency Resp Taken: Y N

Tank Identification: File Name: Former Shell station
Street: SW Corner Btwn Hillsdale/Scholls Fy
City: Portland Zip: ______
County: Wash Phone: ______

Incident Comments: ______

CONTACT & MAIL TYPES

Reported By:	LUST Contact: G	Responsible Party:
Name: Chuck Warner	Name:	Name: ODOT ~~Gary Haut 229-5002~~ Lee Gunderson
Company: Bedford Const.	Company:	Company: ODOT
Street: 5820 NE Portland Ave	Street:	Street: P.O. Box 565
City: Portland Zip: 97218	City: Zip:	City: Beaverton Zip: 97075
State: Phone: 284-9388	State: Phone:	State: OR Phone: 229-5002

SITE ASSESSMENT

LUST Incident Nbr: (XXXXXXXXXXXXX)

Date Investigated: 11/21/89 Investigated By: LGG

Release Exists: (Circle) Y N Confirmation Method: (Circle) A)Staff B)Lab:DEQ C)Lab:RP D)Lab:Other E)RP F)Other

Cleanup Necessary: (Circle) Y N Regulated Tank: (Circle) Y N — old site w/o Tanks Exposure Assessment: (Circle) Y N

Off-Site Migration: (Circle) Y N ? Estimated Gallons Released: ? Priority: ______

Discovery Date: 11/20/89

How Discovered: (Circle) A)Routine Monitoring B)Inventory Control C)Decommissioning D)Site Assessment E)Complaint F)Tank Test G)Other road construction

Material Released: (Circle) A)Unleaded Gasoline B)Leaded Gasoline C)Misc. Gasoline D)Diesel E)Fuel Oil F)Waste Oil G)Lubricant H)Solvent I)Bunker Fuel J)Other Pet. Dist. K)Chemical L)Unknown

Source of Release: (Circle) A)Tank Leak B)Pipe Leak C)Overfill D)Surface Spill E)Pump/Valve Leak F)Other G)Unknown Prior Shell station — many years ago.

Impacts: (Circle)				
Soil	Y	N	%	?
Groundwater	Y	N	%	?
Surface Water	Y	N	%	?
Drinking Water	Y	N	%	?
Facility (Vapor)	Y	N	%	?
Facility (Free Product)	Y	N	%	?

Site Assessment Comments: ______

SITE MANAGEMENT

LUST Incident Nbr: (XXXXXXXXXXXXX)

Date Released Stopped: 11/20/89

Cleanup Activity: Start Date: 11/20/89 Under Control Date: 11/20/89
End Date: ______ Contractor Name: ______

Cleanup Guideline: (Circle) Matrix C.A.P. Cleanup Lead: (Circle) RP SLw/TF SLw/oTF

Free Product Disposal:		Soil Disposal:	
Est. Gallons:		Est. Cu/Yds:	
Resp. Party:		Resp. Party:	
Disposal Location:		Disposal Location:	
Removal Date:		Removal Date:	

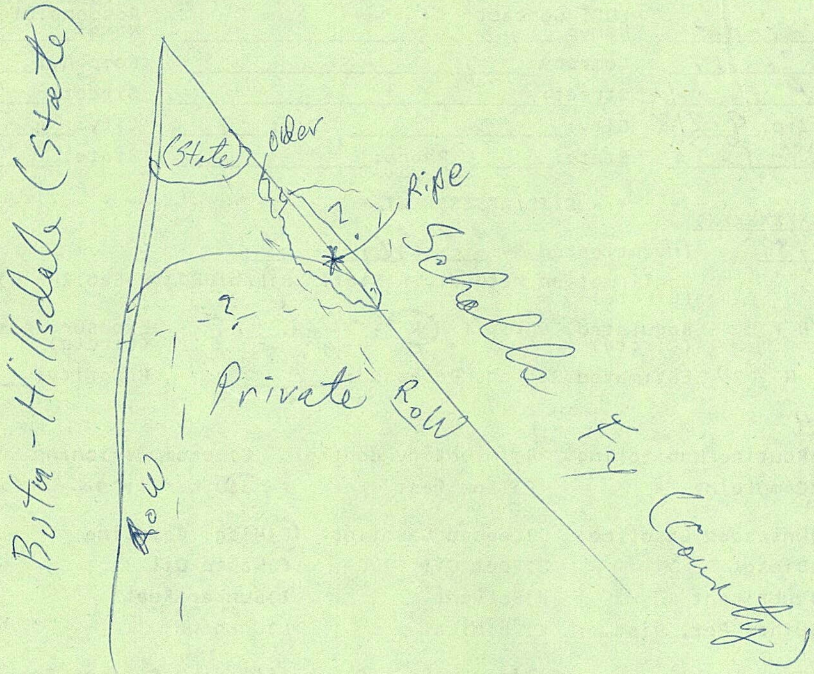
Enforcement Action: (Circle) Y N

Cost Recovery Initiated: (Circle) Y N Source of Cost Recovery: Pct. R.P.: ______ Pct. SLw/TF: ______ Pct. SLw/oTF: ______

Estimations: Cost of Cleanup: ______ Staff Time On Project: ______

Site Management Comments: ______

[Version 102]



(State)
older
Ripe
Schalle Rd (County)
Private RoW
RoW

◂ MORE ON BACK ▸

UPDATES:
8-22-95
12-13-95
12-27-96
SAM

* PETROLEUM RELEASE FORM *

Please Check All That Apply

INCIDENT INFORMATION

Revised 1-11-95

LOG NBR: 34-89-287
RECEIVED BY: LGG
UST FAC NBR:
DATE REPORTED: 11-21-89
SITE NAME: ODOT- Former Shell Station
SITE ADDRESS: SW corner BHT Hillsdale/Scholls Fy
SITE CITY: Portland ZIP:
SITE COUNTY: Wash PHONE:
PROJECT MANAGER:

☐ REGULATED UST
☒ NON-REGULATED UST
☐ HEATING OIL TANK

FUNDING

☒ LUST ☐ HSRAF
☐ OHC ☐ FINANCIAL ASST

☒ INVOICE START ☒ INVOICE STOP
LTR. AGR. ☐ NFA SENT
DATE:

MAIL CONTACTS

REPORTED BY

NAME: Chuck Warner
COMPANY: Bedford Const.
ADDRESS: 5820 NE Portland Ave
CITY: Port. ZIP: 97218
STATE: PHONE: 284-9388

RESPONSIBLE PARTY

NAME: Henry Schmid
COMPANY: ODOT
ADDRESS: 123 NW Flanders
CITY: Portland ZIP: 97209
STATE: OR PHONE: 731-8299

INVOICE CONTACT

NAME:
COMPANY:
ADDRESS:
CITY: ZIP:
STATE: PHONE:

OTHER CONTACT(S)

NAME:
COMPANY:
ADDRESS:
CITY: ZIP:
STATE: PHONE:

SITE ASSESSMENT

DATE DISCOVERED: 11-20-89

☐ EMERGENCY RESP.
☐ ENFORCEMENT

☒ FURTHER CLEANUP REQ.
☐ NO FURTHER CLEANUP REQ.
☐ OFFSITE MIGRATION
______ L.I.P.S. SCORE (Region)

CONFIRMATION:

☐ SI) STAFF
☐ LD) LAB:DEQ
☐ LR) LAB:RP
☐ LO) LAB:OTHER
☐ RR) RP REPORT
☒ CN) CONTRACTOR
☐ OT) OTHER

DISCOVERY:

☐ RM) ROUTINE MONITORING
☐ DC) DECOMMISSIONING
☐ CP) COMPLAINT
☐ IC) INVENTORY CONTROL
☐ SA) SITE ASSESSMENT
☐ TT) TANK TEST
☒ OT) OTHER Road Construction

CAUSE:

☐ TL) TANK LEAK
☐ PL) PIPE LEAK
☐ OF) OVERFILL
☐ SS) SURFACE SPILL
☐ PV) PUMP/VALVE LEAK
☐ OT) OTHER
☒ UN) UNKNOWN

CONTAINMINANTS - IMPACTS

CONTAMINANTS:

- ☐ UG) UNLEADED GASOLINE
- ☐ LG) LEADED GASOLINE
- ☒ MG) MISC. GASOLINE
- ☒ DS) DIESEL
- ☐ FO) FUEL OIL
- ☐ WO) WASTE OIL
- ☐ LB) LUBRICANT
- ☐ SV) SOLVENT
- ☐ BF) BUNKER FUEL
- ☐ OP) OTHER PET. DIST.
- ☐ CH) CHEMICAL
- ☐ HO) HEATING OIL
- ☐ UN) UNKNOWN
- ☐ OT) OTHER ____________

MEDIA/IMPACT:

- ☒ SL) SOIL
- ☐ GW) GROUNDWATER
- ☐ SW) SURFACE WATER
- ☐ DW) DRINKING WATER
- ☐ FV) FACILITY (VAPOR)
- ☐ FP) FACILITY (FREE PROD)

SITE - SOIL MANAGEMENT

RELEASE STOPPED: 11-20-89

CLEANUP STARTED: 11-20-89

REMEDIATION COMPLETED: 10-9-95

NO FURTHER ACTION: 12-27-96

SWLA PERMIT NUMBER: ____________

DATE ISSUED: ____________

AMOUNT OF SOIL (yds3) TREATED ON SITE: ____________

AMOUNT OF SOIL (yds3) TREATED OFF SITE: 121 Tons

TREATMENT METHOD:

- ☐ AREATION
- ☒ THERMAL
- ☐ BIOLOGICAL
- ☐ OTHER ____________

AMOUNT OF SOIL (yds3) DISPOSED OF: ____________ ☐ TREATED ☐ UNTREATED

FINAL DISPOSITION OF SOIL: ☐ ONSITE ☐ LANDFILL ☐ ROAD BASE ☐ OTHER ____________

NOTES/COMMENTS: ____________

This Space Provided For Regional Use

(LUST106/26-AUG-94)

34-89-287

Former Shell / ODOT

FINAL REPORT ON SUBSURFACE HYDROCARBON INVESTIGATION

BEAVERTON-HILLSDALE (10) AT SCHOLLS FERRY HWY (210)

Dept. of Environmental Quality
RECEIVED
DEC 31 1991
NORTHWEST REGION

FINAL REPORT ON SUBSURFACE HYDROCARBON INVESTIGATION
BEAVERTON-HILLSDALE (10) AT SCHOLLS FERRY HWY (210)

PREPARED BY:
OREGON DEPT. OF TRANSPORTATION
GEOLOGY SECTION
9002 S.E. MCLOUGHLIN BLVD.
MILWAUKIE, OREGON 97222

TABLE OF CONTENTS

0.0 Introduction

This report presents the results of the subsurface hydrocarbon exploration at the intersection of Scholls Ferry Highway (210) and Beaverton-Hillsdale Highway (10) (Fig.1). The first investigation was between Nov. 20 to Dec. 11, 1989 collecting soil samples of the excavation and creating a soil cell on the adjacent property (Fig. 2). The second investigation was between Aug. 23 to Sept. 12, 1991 collecting soil cell samples and reviewing documentation that was done during the first investigation. The purpose of this investigation was to review documentation and determine if further environmental work was needed and to obtain closure from ODEQ.

1.0 Background

On November 20,1989 at the intersection of Beaverton-Hillsdale Hwy (10) and Scholls Ferry Highway (210) during roadway construction of a right turn lane, a distinct hydrocarbon odor was detected. ODEQ was notified and visited the site on November 21,1989. Soil samples were taken by ODOT District 2A office and submitted to Columbia Inspection Inc. for testing. Subsequently the contaminated soil was removed and stored in soil cells on a adjacent property (Fig. 2). Groundwater was not encountered in the excavation during roadway construction. On August 23,1991 ODOT Region 1 Geology investigated the former site and reexamined the soil cells at the adjacent property (Pic.#1 and #2). Soil cell samples were taken and placed in a cooler and submitted to Rittenhouse-Zeman and Associates, and Pacific Environmental Laboratory for testing according to ODEQ protocol.

1.1 Geography

The project site is located approximately .2 mile northwest of Fanno Creek, within the broad, extensive Tualatin Valley. The elevation is approximately 250' above mean sea level. Flood deposited sediments have contributed to a gently sloping to flat lying topography.

1.2 Climate

The Raleigh Hills area has a temperate, moderately humid climate. The average temperature is approximately 65 F, and temperature extremes are rare. Most of the rainfall occurs during the late fall and early spring. Average rainfall is approximately 42 inches per year.

1.3 Regional Geology

Recent alluvium underlies the floodplains of the Fanno Creek. The alluvium consists predominantly of silts, clay, sands and gravels. These deposits overlie the Troutdale Formation, the Boring Lava, and the Columbia River Basalt in descending order. The Troutdale Formation consists of sandy conglomerate and local layers of stratified claystones and siltstone. The Boring lavas are composed of basaltic lava, tuffs and volcanic cinders. The Columbia River basalt uncomformably underlies the undifferential Tualatin Valley sediments.

1.4 Regional Hydrology

Groundwater occurs within the project area under three main hydraluic conditions: unconfined, confined or perched water. Unconfined water bodies occur in the Recent Alluvium deposits. Data presented in various publications show unconfined groundwater equivalent to depths of less than 50 feet (Hart, 1965). Confined water bodies occur in the upper Troutdale Formation. Data presented in various groundwater publications indicate confined groundwater approximately 400 feet below ground surface (Hart, 1965). Perched water bodies occur in the Columbia River Basalts and the Boring Lavas Formation. The perched water conditions occur at depths less than 300 feet and yield small quantities of water. One continous flowing stream (Fanno Creek) drains the western part of the project area. The drainage pattern is dendritic and flows southwesterly to the Tualatin River.

1.5 Water Supply

Homes in the area are supplied by the Wolf Creek Water District. It derives its water supply from Bull Run and is not influenced by this site.

1.6 Quantitative Analysis

Laboratory analyses for this project was carried out by Columbia Inspection (November-December 1989), Rittenhouse-Zeman and Associates (August-September 1991) and Pacific Environmental Laboratory (September 1991).

Soils sampled by Columbia Inspection Inc. were identified by lab data sheet numbers, corresponding to depths noted on Table 1 in Appendix B. Soil samples taken from the excavation on November 30,1989 were tested for TPH and Flash Point by Columbia Inspection. Test results indicated TPH contamination levels (0.28 ppm) below matrix evaluation and flash point greater than 212 F. Additional soil samples were taken on December 8,1989 and tested for TPH and BTEX. Lab results for BETX levels were below the soil matrix evaluation. Test results indicated that TPH contamination levels (97.4 ppm) above the matrix evaluation and would require more excavation. Additional soil samples were taken December 11,1989 during excavation and tested for total petroleum hydrocarbon (TPH). Test results for TPH levels (4.6 ppm) indicated that all the contaminated soil had been removed, and remediated to a level 2 clean up standard.

Soil cell samples taken by O.D.O.T. Region 1 Geology on August 26,1991 were identified by chain of custody letter, corresponding to hand auger and depth of sample (HA-1-S-1,S-2) in (Table 1, Appendix B). They were submitted to Rittenhouse-Zeman and Associates for HCID testing. Test results indicated contamination levels of gasoline (1600 ppm) and heavy oil products (370 ppm). The test results for gasoline (1600 ppm) would reqiure the soil cell to be cleaned up to 80 ppm level 2 standard. Test results for heavy oil products (370 ppm) are below the soil matrix level 2 evaluation.

Additional testing was performed on the soil cell September 12,1991 by Pacific Environmental lab (PEL) using EPA method 1311,6010,7470 (T.C.L.P.), 8080 (PCB), and 8010 (HALOGENATED SOLVENTS). Test results from these soil samples indicated that the T.C.L.P. for barium was 0.66 and 0.64ppm. These results indicated the contamination of barium was below the ODEQ residential soil cleanup levels of 5000 ppm. All other test that were run indicated no contamination.

1.7 Soil Matrix Determination

The soil matrix for this site has been determined using the five parameters in OAR 340-122-330 (1)-(5) as follows.

1) Depth to Groundwater

Groundwater was not encountered at the site but does exist as unconfined water in the alluvium. The score for this parameter would be "10".

2) Mean Annual Precipitation

Based on climatological data for the Willamette Valley area the mean annual precipation is approximately 42 inches. This results in a score of "5".

3) Soil Type

Based on the soil type, which is a micaceous clayey to sandy silt, this score would be a "5".

4) Sensitivity of the uppermost aquifer

In the area of the project site which is an urban setting, the aquifer is not utilized as a source of drinking water, but could be used as an alternate source of drinking water. This results in a score of "4".

5) Potential Receptors

A) Based on the distance to the nearest beneficial use well, the distance descriptor would be considered "medium".

B) The number of people at risk, based on population of the area within 3 miles of the site would be deemed to be "many".

C) The combination of these two factors would give the site a score of "10".

The total score for the project site would be "34" and level 2 numerial soil clean up standards would therefore apply. This would require site soils to be cleaned up to 80 PPM standard for gasoline contamination as referenced to test method TPH-G and 500 PPM for heavy oils as reference to test method TPH-D or Total Petroleum Hydrocarbon contaminations (EPA test methods 418.1).

1.8 Conclusions

Based on the results of our site investigation, we recommend no further excavation at the former site. Analytical results for soils collected during roadway excavation have indicated that concentrations of TPH are well below soil matrix clean up levels.
Based on results of our soil cell investigation, laboratory testing (Table 1, Appendix B) identified the contaminants as gasoline (1600ppm), heavy oil (370ppm) and barium (0.66-0.64 ppm) products. The soil cells results indicated gasoline (1600 ppm) is above the soil matrix evaluation and needs to be cleaned up to 80 ppm. Test results for heavy oil (370 ppm) and Barium (0.64-0.66 ppm) products are below the soil cleanup levels and will not require any more clean up. Options for remediation of gasoline (1600 ppm) at this site are

presented below:

1) Aeration

2) Aeration plus bio or;

3) Thermal treatment.

Option #1 <u>Aeration Treatment</u>

Aeration of the existing soil cells by mixing and exposure to air can reduce hydrocarbon concentrations to acceptable levels. A variable which favors this is: 1) it has been used effectively for years and cost is cheap. A variable against this option is: 1) more efficient during the warmer months of the year.

Option #2 <u>Aeration plus Bio Treatment</u>

Aeration plus Bio of the existing soil cell using native bacteria and a supply of air. Variables which favors this is: 1) it can be used effectively to degrade hydrocarbons to harmless products, 2) can be used effectively year round. A variable against this option is: 1) needs to be continually monitored so the treatment is not upset (higher operating costs).

Option #3 <u>Thermal Treatment</u>

Removing the contaminated soil from the soil cell and incinerating the material under ODEQ guidelines. Variables which favor this are: 1) no liabilities are incured, 2) burns off contaminanted materials efficiently. Variables against this option are: 1) concern for meeting air pollution limits, 2) control of acid gases, 3) ashes containing toxic metals

Option # 1 or #2 appear to be the most functional options at this time due to future liabilities. Procedures for implementing this option will begin upon ODEQ approval and ODEQ will be informed of the progress. We have calculated a quantity of material approximately 100 yards.

If you have any questions on the site call (Doug Marsh) ODOT Region 1 Geology office at 653-3080.

Doug Marsh

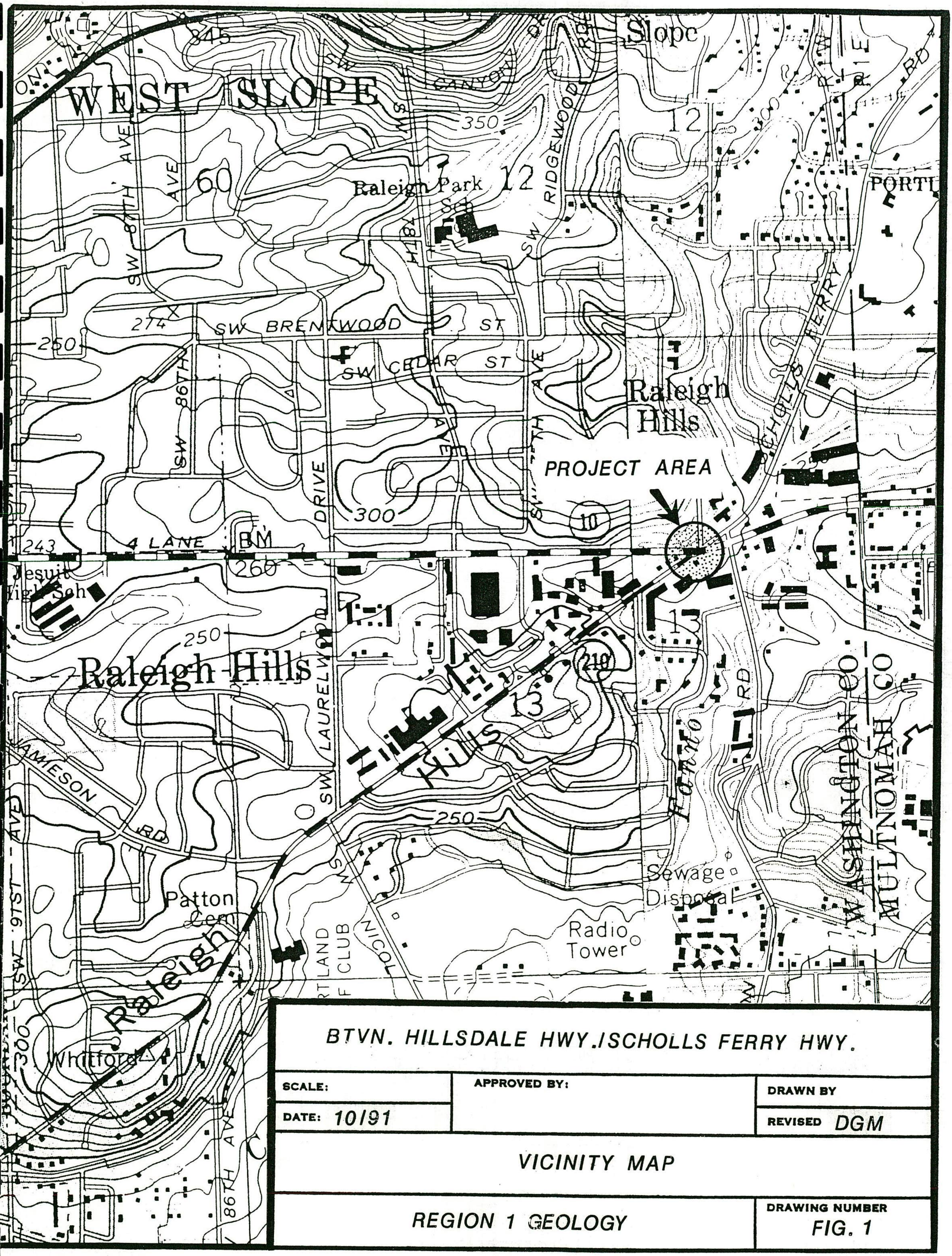
References

Hart, 1965 Geology and Ground Water of the Tualatin Valley, Oregon U.S.G.S. Water Supply Paper 1697.

Trimble D.E, 1957 Geologic Map of the Portland Quadrangle, Oregon-Washington, U.S.G.S. Bull. 1119.

Griffin, R.G., 1991(Fifth Printing) Principal of Hazardous Material Management, Lewis Publishers.

APPENDIX A

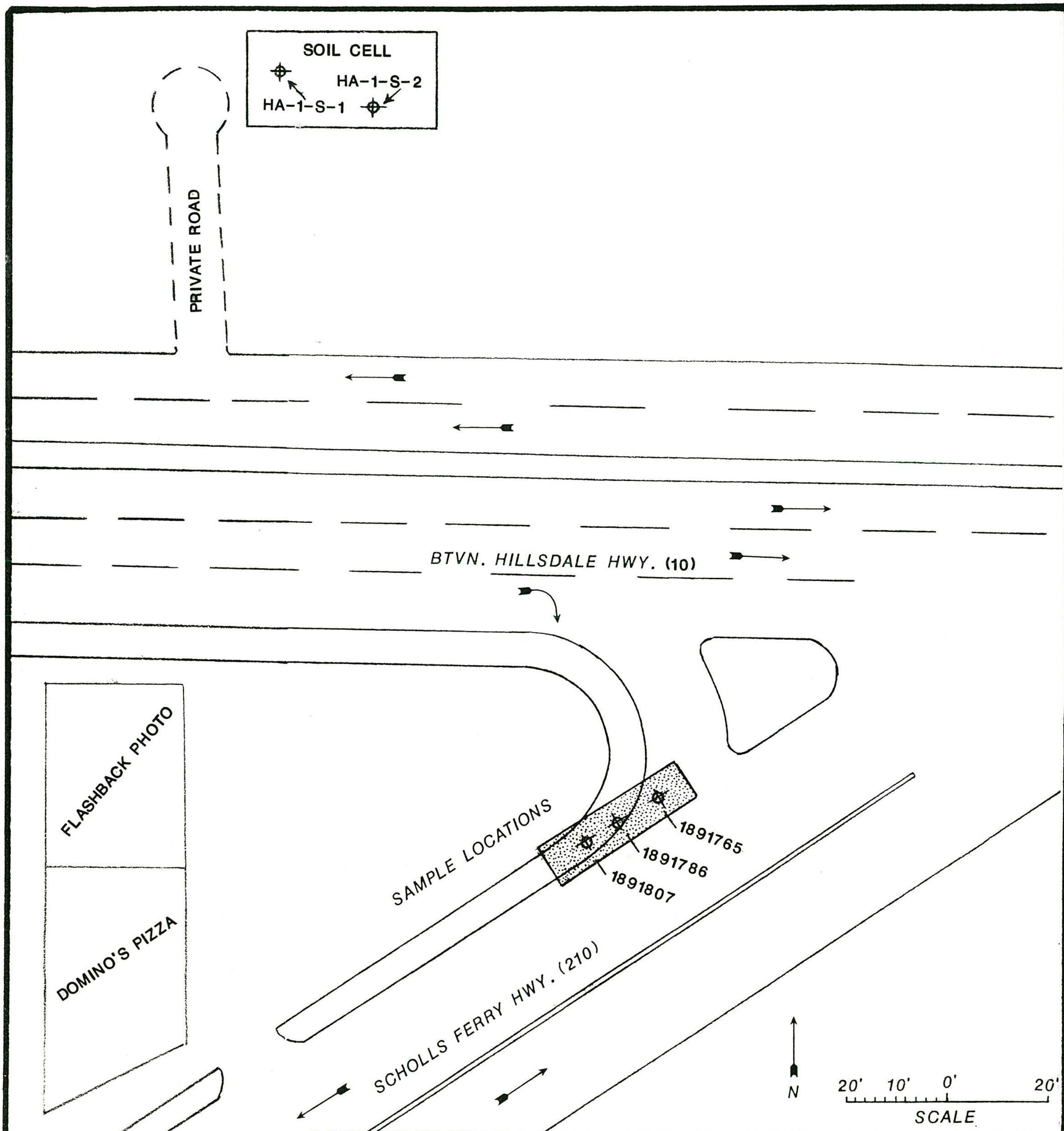


BTVN. HILLSDALE HWY./SCHOLLS FERRY HWY.

SCALE:	APPROVED BY:	DRAWN BY
DATE: 10/91		REVISED DGM

VICINITY MAP

REGION 1 GEOLOGY	DRAWING NUMBER FIG. 1



BTVN. HILLSDALE HWY./SCHOLLS FERRY HWY.		
SCALE: 1"=20'	APPROVED BY:	DRAWN BY DGM
DATE: 10/91		REVISED
SITE MAP		
REGION 1 GEOLOGY		DRAWING NUMBER FIG. 2

Picture # 1 Location of the former
road construction site

Picture # 2 Location of the soil cell
on adjacent property

APPENDIX B

Table 1 Results of Quantitative Lab Analysis

Boring #	Depth	Report #	Sample	Analysis	Results
Test Pit # 1	3.0'	1891765 12/4/89 C.I.I.	soil	TPH	0.28ppm
Test Pit # 1	3.0'	1891765 12/4/89 C.I.I.	soil	FLASH POINT	>212 F
Test Pit #1	3.0'	1891786 12/8/89 C.I.I.	soil	BTEX	B<0.1ppm T 3.5ppm E 1.7ppm X 3.5ppm
Test Pit # 1	5.0'	1891786 12/8/89 C.I.I.	soil	TPH	97.4ppm
Test Pit # 1	Unknown	1891807 12/13/89 C.I.I.	soil	TPH	4.6ppm
Cell #	Depth	Sample #	Sample	Analysis	Results
Soil Cell #1	2.0'	HA-1-S-1 8/26/91 R.Z.A.	soil	HCID	I.D. Gas I.D. Oil
Soil Cell #1	2.0'	HA-1-S-1 8/26/91 R.Z.A.	soil	418.1	1600ppm
Soil Cell #1	2.0'	HA-1-S-1 9/20/91 P.E.L.	soil	PCB TCLP 8010	N.D. 0.66ppm N.D.
Soil Cell #1	2.0'	HA-1-S-2 8/26/91 R.Z.A.	soil	HCID	I.D. Gas I.D. Oil
Soil Cell #1	2.0'	HA-1-S-2 8/26/91 R.Z.A.	soil	418.1	370ppm
Soil Cell #1	2.0'	HA-1-S-2 9/20/91 P.E.L.	soil	PCB TCLP 8010	N.D. 0.64ppm N.D.

CERTIFICATE OF ANALYSIS

SAMPLE DESIGNATED BY CLIENT AS;	Soil
CLIENT:	State of Oregon Department of Transportation
MARKED:	11-30-89 #2 3Ft down Auger Hole
DATE SUBMITTED:	November 30, 1989

REPORT DATE December 4, 1989 **REPORT NO.** #1891765

ANALYSIS OF THE SOIL SAMPLE

TESTS:

Total Petroleum Hydrocarbons, ppm	0.28
Flash Point, °F	>212 (Water present)

COLUMBIA INSPECTION, INC.

Douglas Hunt

Douglas Hunt, Lab Manager

Columbia Inspection, Inc.
7133 N. Lombard St., P.O. Box 83569
Portland, Oregon 97283 503-286-9464

CERTIFICATE OF ANALYSIS

SAMPLE DESIGNATED BY CLIENT AS:	Soils
CLIENT:	State of Oregon Department of Transportation
MARKED:	#1 12-8-89 Bean Hills School's 5 ft. Down #2 12-8-89 Bean Hills Hwy School's 2 ft. Down
DATE SUBMITTED:	December 8, 1989

REPORT DATE December 8, 1989 **REPORT NO.** #1891786

ANALYSIS OF THE SOIL SAMPLES

TESTS:	#1	#2
Total Petroleum Hydrocarbons	97.4 ppm	
Purge Trap		
Benzene, ppm		<.1 *
Toluene, ppm		3.5
Xylene, ppm		3.5
Ethylbenzene, ppm		1.7

* Diesel remaining material

DISTRICT 2A
ADMS DMS DEC 13 1989 PL DOM SEC-B SEC-A TR

COLUMBIA INSPECTION, INC.

Douglas Hunt

Douglas Hunt, Lab Manager
Laboratory Analysis also performed by: Bill Baumbach, Chemist

Columbia Inspection, Inc.
7133 N. Lombard St., P.O. Box 83569
Portland, Oregon 97283 503-286-9464

CERTIFICATE OF ANALYSIS

SAMPLE DESIGNATED BY CLIENT AS:	Soil
CLIENT:	State of Oregon, Dept. of Transportation Highway Division Beaverton, OR 97075
SAMPLE MARKED:	12/8/89 Beaverton-Hillsdale & Scholls (MID)
DATE SUBMITTED:	December 11, 1989

REPORT DATE December 13, 1989 **REPORT NO.** 1891807

Lab No. 89299

Total Petroleum Hydrocarbons, ppm 4.6

Columbia Inspection, INc.

Douglas M. Hunt

Douglas M. Hunt, Chemist/Laboratory Manager

Columbia Inspection, Inc.

7133 N. Lombard St., P.O. Box 83569
Portland, Oregon 97283 503-286-9464

RZA

RITTENHOUSE-ZEMAN & ASSOCIATES, INC.
EARTH & ENVIRONMENTAL CONSULTANTS

7409 S.W. Tech Center Drive, Suite 135
Portland, Oregon 97223-8024
(503) 639-3400 FAX: (503) 620-7892

0226

CHAIN-OF-CUSTODY RECORD / LABORATORY ANALYSES REQUEST

PROJECT: ODOT Scholls Ferry JOB #: 6053
CLIENT: ODOT
PROJ. MANAGER: John Kuiper PHONE #:
SITE ADDRESS: Hillsdale @ Scholls Ferry
SAMPLER'S NAME: Doug Marsh PHONE #: 653-3050
SAMPLER'S SIGNATURE: Dougl D Marsh

ANALYSIS REQUESTED: (Circle, Check Box, or Write Preferred Method in Box) OTHER: (Write in)

SAMPLE ID #	DATE	TIME	PRESERV.	MATRIX	Halogenated Volatiles EPA 601 EPA 8010	Aromatics (BTX&E) EPA 602 EPA 8020	Fuel Scan/TPH by GC EPA 602-mod/8015-mod.	Volatile Organ. Compnds	GC Fingerprint	Penta/tetra-chlorophenol EPA 604 EPA 8040	Tot. Petrol. Hydrocarbons EPA 413.1, 418.1 / TLC	Total Metals ICP AA Other	EP-TOX Metals	Purgeable Organics EPA 624 8240	Base/Neut.Acids EPA 625 8270	pH Cond. Alk Color	NO3/NO2 N-NO3 NH3-N	Ca Mg Na K Fe Cl SO4	TOX TOC TDS COD	HCID	TPH-G or 418.1		# of Containers	Sample Preparation	Detection Limits Desired
1. HA-1-S-1	8/26			Soil																X	X		2		
2. S-2	8/26			Soil																X	X		2		
3.																									
4.																									
5.																									
6.																									
7.																									
8.																									
9.																									
10.																									

RELINQUISHED BY RZA:	RELINQUISHED BY:	RELINQUISHED BY:
Signature: Dougl D Marsh	Signature: John Kuiper	Signature:
Printed Name: Doug Marsh	Printed Name:	Printed Name:
Firm: O.D.O.T	Firm: RZA	Firm:
Date/Time: 8-26-91 2:15 P.M.	Date/Time: 14:24	Date/Time:

RECEIVED BY:	RECEIVED BY:	RECEIVED BY:
Signature: John Kuiper	Signature: C Egan	Signature:
Printed Name: John Kuiper	Printed Name: C Egan	Printed Name:
Firm: RZA	Firm: RZA	Firm:
Date/Time: 8/26/91 2:15	Date/Time: 8/26/91 14:24	Date/Time:

LABORATORY:
Shipping I.D. #:
Carrier:
DOT Designation:

SAMPLE RECEIPT:
Total # Containers:
Condition of Containers?
Condition of Seals?

SPECIAL INSTRUCTIONS/COMMENTS: HCID then other if no positive then run for TPH-G

DISTRIBUTION: WHITE-return to RZA; YELLOW-lab; PINK-retained by RZA.

PAGE ____ OF ____.

Report Date: Sept. 6, 1991
Lab Report #: 1745 ms/jv
Attn: John Kuiper

Project Number: 6053
Client: ODOT
Item: 2 Soil Samples

ANALYSIS
METHOD: HCID
Results in mg/kg (ppm)

	HA1-S1	S-2	Blank	Detection Limit
(C4-C10) Gasoline Range	Postive I.D.	<10.0	<10.0	10.0
(C11-C24) Diesel Range	<50.0	<50.0	<50.0	50.0
(C25-C35) Heavy Oil Range	Postive I.D.	<250	<250	250
Sample Date:	8/26	8/26		
Analysis Date:	9/3	9/3	9/3	

Average Surrogate Recovery: 132 +/- 11.3%

Respectfully submitted,

RITTENHOUSE-ZEMAN AND ASSOCIATES

Brian Hong, Chemist

Reviewed by: M Smith

EPA Method 418.1
TPH Results by IR

Client: **ODOT**
Attn: John Kuiper

Job#: **6053**
Item: 2 Soil Samples

Sample Name	Sample Date	Date of Analysis	ppm (mg/kg) Concentration
HA1-S1	8/26	9/9	1600
S-2	8/26	9/9	370

Detection Limit: 5.4
Blank: nd
Analyst: RT

Report Date: 9/10/91
Lab Report #: 1757

Respectfully submitted,

RITTENHOUSE ZEMAN & ASSOCIATES

Signature of Chemist

Reviewed by:

NEIL GOLDSCHMIDT
GOVERNOR

OREGON DEPARTMENT OF TRANSPORTATION

HIGHWAY DIVISION

91-2752

CHAIN OF CUSTODY

PROJECT NAME/NUMBER:				Sample Location:	REPORT TO:	
TVN. /Hillsdale @ Scholls Ferry HWY.				STOCKPILE	ODOT - GEOLOGY 9002 SE McLoughlin Blvd. MILWAKIE OREGON 97222 Ph. 653-3080 FAX 653-3267	
DATE/TIME	SAMPLE TYPE	SAMPLE#	Cont. size	ANALYZE FOR	Preservative	REMARKS
9/11/91 3:00 P.M.	SOIL	HA1-S1	4oz	PCB METALS-8 TCLP 8010		2 soils rec'd
9/11/91 3:05 P.M.	"	"	"	"		5 9oz jars.
9/11/91 3:10 Pm	"	"	"	"		
9/11/91 3:15 PM.	"	HA-1 S2	"	"		
9/11/91 3:20 PM	"	"	"	"		

Samples collected by: Douglas G. Marsh		Samples prepared and packaged by: Douglas G Marsh	
Relinquished by (signature) [signature]	Date/Time 9-12-91 12:00 PM	Received by (signature)	Date/Time
Relinquished by (signature)	Date/Time	Received by (signature)	Date/Time
Relinquished by (signature)	Date/Time	Received by (signature)	Date/Time
Dispatched by (signature)	Date/Time	Received for lab by (signature) [signature]	Date/Time 9-12-91 12pm
Method of shipment			Date/Time

PACIFIC
ENVIRONMENTAL
LABORATORY INC.

9405 S.W. Nimbus Ave. Beaverton, OR 97005 (503) 644-0660
FAX # (503) 644-2202

September 20, 1991

ODOT/Highway Division
9002 S.E. McLoughlin Blvd.
Milwaukie, OR 97222

Attn: Doug Marsh

Re: JOB - BTVN./Hillsdale @ Scholls Ferry Hwy.
PEL #91-2752

Enclosed is the lab report for your samples which were received on September 12, 1991.

I. Sample Description

Two Soil Samples

The samples were received under a chain of custody.

The samples were received in containers consistent with EPA protocol.

II. Quality Control

No project specific QC was requested. In-house QC data is available upon request.

III. Analytical Results

Test methods may include minor modifications of published methods such as detection limits or parameter lists. Solid and waste samples are reported on an "as received" basis unless otherwise noted.

Compounds not detected are listed under results as ND.

Sincerely,

Howard B Holmes

Howard Holmes
Lab Manager

Howard Boorse

Howard Boorse
QA/QC Manager

PACIFIC ENVIRONMENTAL LABORATORY INC.

PEL REPORT NUMBER: 91-2752
CLIENT: ODOT/Highway Division
PROJECT: BTVN./Hillsdale @ Scholls Ferry Hwy.
DATE: September 23, 1991
ITEMS: Two Soil Samples

METHOD: T.C.L.P. per EPA 1311, 6010, 7470
Results in mg/L (ppm)

Compound	HA1-S1	HA1-S2	Lab Blank	Detection Limit
Arsenic	ND	ND	ND	0.5
Barium	0.66	0.64	ND	0.01
Cadmium	ND	ND	ND	0.01
Chromium	ND	ND	ND	0.01
Lead	ND	ND	ND	0.1
Mercury	ND	ND	ND	0.0003
Selenium	ND	ND	ND	0.5
Silver	ND	ND	ND	0.01

METHOD: PCB's per EPA 8080
Results in mg/kg (ppm)
Dry weight basis

Sample I.D.	Aroclor	Amount
HA1-S1	--	ND
HA1-S2	--	ND
Lab Blank	--	ND
Detection Limit	--	0.1

8080 Surrogate Recoveries (%)-2,4,5,6-Tetrachloro-m-xylene

Sample I.D.	Accept. Surr. Range (75-125%)
HA1-S1	121
HA2-S2	123

PACIFIC ENVIRONMENTAL LABORATORY INC.

PEL REPORT NUMBER: 91-2752
CLIENT: ODOT/Highway Division
PROJECT: BTVN./Hillsdale @ Scholls Ferry Hwy.
DATE: September 23, 1991
ITEMS: Two Soil Samples

METHOD: Halogenated Solvents - EPA 8010 List by GC/MS
Results in ug/kg (ppb)

Compound	HA1-S1	HA1-S2	Lab Blank	Detection Limit
Bromodichloromethane	ND	ND	ND	4.0
Bromoform	ND	ND	ND	4.0
Bromomethane	ND	ND	ND	20
Carbon tetrachloride	ND	ND	ND	4.0
Chlorobenzene	ND	ND	ND	4.0
Chloroethane	ND	ND	ND	20
2-Chloroethylvinyl ether	ND	ND	ND	4.0
Chloroform	ND	ND	ND	4.0
Chloromethane	ND	ND	ND	20
Dibromochloromethane	ND	ND	ND	4.0
1,2-Dichlorobenzene	ND	ND	ND	4.0
1,3-Dichlorobenzene	ND	ND	ND	4.0
1,4-Dichlorobenzene	ND	ND	ND	4.0
Dichlorodifluoromethane	ND	ND	ND	4.0
1,1-Dichloroethane	ND	ND	ND	4.0
1,2-Dichloroethane	ND	ND	ND	4.0
1,1-Dichloroethene	ND	ND	ND	4.0
cis-1,2-Dichloroethene	ND	ND	ND	4.0
trans-1,2,-Dichloroethene	ND	ND	ND	4.0
1,2-Dichloropropane	ND	ND	ND	4.0
cis-1,3-Dichloropropene	ND	ND	ND	4.0
trans-1,3-Dichloropropene	ND	ND	ND	4.0
Methylene chloride	ND	ND	ND	4.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	4.0
Tetrachloroethene	ND	ND	ND	4.0
1,1,1-Trichloroethane	ND	ND	ND	4.0
1,1,2-Trichloroethane	ND	ND	ND	4.0
Trichloroethene	ND	ND	ND	4.0
Trichlorofluoromethane	ND	ND	ND	4.0
Vinyl chloride	ND	ND	ND	20

8010 Surrogate Recoveries (%)

Compound	HA1-S1	HA1-S2	EPA Limits
1,2-Dichloroethane-d4	99	104	70-121
4-Bromofluorobenzene	91	93	74-121

OREGON SOIL CLEANUP TABLE

Notes:

1. The **RESIDENTIAL SOIL CLEANUP LEVEL** represents a residual concentration IN SOIL which poses an acceptable risk per contaminant under the default residential or unrestricted access exposure scenario.
2. The **INDUSTRIAL SOIL CLEANUP LEVEL** represents a residual concentration IN SOIL which poses an acceptable risk per contaminant under specified industrial or limited exposure scenario.
3. The **RESIDENTIAL SOIL CLEANUP LEVEL** and the **INDUSTRIAL SOIL CLEANUP LEVEL** have to be prorated downward when multiple substances have similar critical endpoints.
4. The **LEACHATE REFERENCE CONCENTRATION** represents a concentration IN A LIQUID (leachate) to provide site-specific data to determine whether additional soil cleanup is necessary TO PREVENT contamination of groundwater.

HAZARDOUS SUBSTANCE	RESIDENTIAL SOIL CLEANUP LEVEL (mg/kg)	INDUSTRIAL SOIL CLEANUP LEVEL (mg/kg)		Health Effect	LEACHATE REFERENCE CONCENTRATION (mg/l)	
A. INORGANICS						
Arsenic	2	4	d	cancer	0.05	m
Barium	5,000	7,000	c	noncancer 1	1	m
Beryllium	0.1	1	b	cancer	0.00002	h,*
Cadmium	20	30	d	cancer	0.005	m
Chromium III	30	40	c	noncancer 2	0.1	m
Chromium VI	3	5	d	cancer	0.1	m
Copper	10,000	80,000	a	noncancer 3	1.3	m
Cyanide	5,000	40,000	a	noncancer 4,5,6	0.2	n
Lead	200	1,000	i,j		0.005	n
Manganese	5,000	7,000	c	noncancer 7	4	g
Mercury	80	600	a	noncancer 6,8	0.01	m
Nickel	5,000	40,000	a	noncancer 4	0.1	n
Silver	800	6,000	a	noncancer 9	0.05	m
B. SEMI-VOLATILES						
Acenaphthene	20,000	100,000	a	noncancer 10	2	g
Anthracene	80,000	600,000	a		10	g
Benzidine	0.4	1	d	cancer	0.1	h,*
Benzo(a)anthracene	0.1	1	b,k	cancer	0.00001	h,k,*
Benzo(a)pyrene	0.1	1	b	cancer	0.00001	h,*
Benzo(b)fluoranthene	0.1	1	b,k	cancer	0.00001	h,k,*
Benzo(k)fluoranthene	0.1	1	b,k	cancer	0.00001	h,k,*
Bis(2-ethylhexyl)phthalate	50	400	b	cancer	0.004	n,*
Chrysene	0.1	1	b,k	cancer	0.00001	h,k,*
Di-n-propylnitrosamine	0.1	1	b	cancer	0.00001	h,*
Dibenzo(a,h)anthracene	0.1	1	b,k	cancer	0.00001	h,k,*
Dichlorobenzidine,3,3-	1	10	b	cancer	0.0002	h,*
Dichloroethyl ether	1	5	b	cancer	0.0001	h,*
Dinitrotoluene 2,6-	1	8	b	cancer	0.0001	h,*
Diphenylnitrosamine	100	1,000	b	cancer	0.02	h
Fluoranthene	10,000	80,000	a	noncancer 8,10,11	1	g
Fluorene	10,000	80,000	a	noncancer 11	1	g
Hexachloroethane	300	2,000	a	noncancer 8	0.04	g
Indeno(1,2,3-cd)pyrene	0.1	1	b,k	cancer	0.00001	h,k,*
Naphthalene	1,000	8,000	a	noncancer 4	0.1	g
Pentachlorophenol	5	50	b	cancer	0.001	h,*
Polychlorinated biphenyls	0.1	1	b,l	cancer	0.00001	l,*
Pyrene	8,000	60,000	a	noncancer 8	1	g
Trichlorophenol,2,4,6-	60	500	b	cancer	0.01	h,*
C. VOLATILES						
Acrylonitrile	1	10	b	cancer	0.0002	h,*
Benzene	2	3	f	cancer	0.003	h,*
Bromodichloromethane	5	40	b	cancer	0.001	h,*

HAZARDOUS SUBSTANCE	RESIDENTIAL SOIL CLEANUP LEVEL (mg/kg)	INDUSTRIAL SOIL CLEANUP LEVEL (mg/kg)		Health Effect	LEACHATE REFERENCE CONCENTRATION (mg/l)	
Bromoform	80	700	b	cancer	0.01	h
Bromomethane	400	3,000	a	noncancer 3	0.1	g
Carbon tetrachloride	5	40	b	cancer	0.001	h,*
Chlorobenzene	5,000	40,000	a	noncancer 10	1	g
Chlorodibromomethane	5,000	40,000	a	noncancer 10	1	g
Chloroform	100	1,000	b	cancer	0.01	h
Dichloroethylene, 1,1-	2,000	20,000	a	noncancer 10	0.007	m
Dichloroethylene-cis 1,2-	3,000	20,000	a	noncancer 11	0.07	m
Dichloroethylene-trans 1,2-	5,000	40,000	a	noncancer 10	0.1	m
Ethylbenzene	20,000	30,000	e	noncancer 1	0.7	m
Ethylene dichloride	7	60	b	cancer	0.001	h,*
Formaldehyde	10	20	f	cancer	7	g
Hexachlorobenzene	0.4	4	b	cancer	0.0001	h,*
Methylene chloride	10	20	f	cancer	0.005	n
Tetrachloroethylene	10	20	f	cancer	0.002	h,*
Toluene	20,000	30,000	e	noncancer 2,6	1	m
Trichloroethane,1,1,1-	3,000	4,000	e	noncancer 10	0.2	m
Trichloroethane,1,1,2-	1,000	8,000	a	noncancer 10	0.005	m
Trichloroethylene	7	10	f	cancer	0.005	m
Trichlorofluoromethane	80,000	600,000	a	noncancer 12	10	g
Vinyl chloride	0.3	3	b	cancer	0.00004	h,*
Xylenes	3,000	4,000	e	noncancer 6	10	m
D. PESTICIDES						
Aldrin	0.04	0.3	b	cancer	0.00001	h,*
BHC-alpha	0.1	1	b	cancer	0.00001	h,*
Chlordane	1	5	b	cancer	0.0001	h
D, 2,4-	3,000	20,000	a	noncancer 8,10,11	0.07	m
DDD,4,4-	3	20	b	cancer	0.0004	h
DDE,4,4-	2	20	b	cancer	0.0003	h
DDT, 4,4-	2	20	b	cancer	0.0003	h
Dieldrin	0.04	0.4	b	cancer	0.00001	h,*
Endosulfan(alpha-beta isomers)	10	100	a	noncancer 8	0.002	g
Endrin	80	600	a	noncancer 6,10	0.0002	m
Heptachlor	0.1	1	b	cancer	0.00002	h,*
Heptachlor epoxide	0.1	1	b	cancer	0.00001	h,*
Lindane	80	600	a	noncancer 8,10	0.0002	m
MCPA	100	1,000	a	noncancer 8,10	0.02	g
Toxaphene	1	5	b	cancer	0.0001	h,*

(a) Concentrations are based on incidental soil ingestion and a hazard quotient equal to 1
(b) Concentrations are based on incidental soil ingestion and an excess cancer risk of 1 in a million (1E-06)
(c) Concentrations are based on particulate inhalation and a hazard quotient equal to 1
(d) Concentrations are based on particulate inhalation and an excess cancer risk of 1 in a million (1E-06)
(e) Concentrations are based on volatile inhalation and a hazard quotient equal to 1
(f) Concentrations are based on volatile inhalation and an excess cancer risk of 1 in a million (1E-06)
(g) Concentrations are based on water ingestion and a hazard quotient equal to 1
(h) Concentrations are based on water ingestion and an excess cancer risk of 1 in a million (1E-06)
(i) Residential soil cleanup level is based on blood lead levels in children
(j) Industrial soil cleanup level is based on blood lead levels in adults
(k) Based on the potency as Benzo(a)pyrene
(l) Based on the potency of PCB 1260
(m) Drinking water maximum contaminant level
(n) Proposed drinking water maximum contaminant level
(*) Practical quantitation limit may be a concern

Health Effects:

(cancer)-cancer
(noncancer 1)-adverse developmental effects
(noncancer 2)-adverse nasal effects
(noncancer 3)-adverse gastrointestinal effects
(noncancer 4)-weight loss
(noncancer 5)-adverse thyroid effects
(noncancer 6)-adverse nervous effects
(noncancer 7)-adverse respiratory and behavioral effects
(noncancer 8)-adverse kidney effects
(noncancer 9)-adverse skin effects
(noncancer 10)-adverse liver effects
(noncancer 11)-adverse blood effects
(noncancer 12)-decreased survival and tissue defects

Picture # 1 Location of the former road construction site

Picture # 2 Location of the soil cell on adjacent property

F

Oregon

DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHWEST REGION

December 27, 1996

HENRY SCHMID
OREGON DEPARTMENT OF TRANSPORTATION
9002 SE MCLOUGHLIN BOULEVARD
MILWAUKIE OR 97222

Re: ODOT - Former Shell station
File No. 34-89-287

Dear Mr. Schmid:

The Department of Environmental Quality has completed its review of Oregon Department of Transportation's report dated, December 31, 1991, concerning the cleanup conducted at the southwest corner of the intersection of Beaverton-Hillsdale Highway, and Scholls Ferry Highway. The Department has determined the cleanup appears to have met the requirements of the Oregon Administrative Rules (OAR) 340-122-205 through 340-122-360 and that no further action is required at this time.

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

1. Contamination was discovered during construction of a right hand turn lane (on Beaverton Hillsdale Highway) on November 21, 1989.

2. Approximately 121 tons of contaminated soil was removed from the excavation and thermally desorbed at Oregon Hydrocarbon, on May 14, 1993, June 1-2, 1993, and June 11, 1993.

3. Final soil samples taken from five feet below land surface (BLS) found 4.6 ppm TPH-G. Compliance samples for diesel were obtained at two feet BLS with a concentration of 370 ppm TPH-418.1. These results are below the level 2 Matrix cleanup standards for this site.

4. No groundwater was encountered in the excavation.

The Department's determination will not be applicable if new or undisclosed facts show that the cleanup does not comply with the referenced rules. The Department's determination also does not apply to any conditions at the site other than the release of the petroleum product specifically addressed in the report. We recommend that a copy of this information be kept with the permanent facility records.

John A. Kitzhaber
Governor

STATE OF OREGON
1859

2020 SW Fourth Avenue
Suite 400
Portland, OR 97201-4987
(503) 229-5263 Voice
TTY (503) 229-5471

DEQ-1

Please note that pursuant to OAR 340-122-360(2), a copy of your report must be retained until ten (10) years after the first transfer of the property.

Your efforts to comply with the regulations to ensure that your facility has been adequately cleaned up have been appreciated. If you have any questions, please feel free to contact me at (503) 229-5477.

Sincerely,

Rick Silverman

Rick Silverman
UST Cleanup Specialist

Oregon

DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHWEST REGION

October 10, 1995

HENRY SCHMID
OREGON DEPARTMENT OF TRANSPORTATION
9002 SE MCLOUGHLIN BOULEVARD
MILWAUKIE OR 97222

Re: ODOT - Former Shell station
File No. 34-89-287

Dear Mr. Schmid:

The Department of Environmental Quality has completed its review of Oregon Department of Transportation's report dated December 31, 1991, regarding the site located at the southwest corner of the intersection of Beaverton-Hillsdale Highway and Scholls Ferry Road, Portland, Oregon. The Department's evaluation of this site's investigation is that a no further action letter can be issued. The no further action letter will be sent upon the receipt of the final payment to the Department's business office for the oversight and review of this sites file. This invoice should be sent sometime after the 15th of November, 1995.

If you have any questions or if I can be of further assistance to you please contact me at 229-5477.

Sincerely,

Rick Silverman

Rick Silverman
Environmental Specialist

John A. Kitzhaber
Governor

STATE OF OREGON 1859

2020 SW Fourth Avenue
Suite 400
Portland, OR 97201-4987
(503) 229-5263 Voice
TTY (503) 229-5471

DEQ-1

Former Shell Station - SW corner Hillsdale/Scholls Ferry 34-89-287 R. Silverman 10/4/93

Release Cleanup initiated in November 1989, no report received by DEQ. 1/16/92

NO GW impacted. Approximately 100 yd^3 excavated, soil not properly stockpiled.

1/29/93 soil pile in compliance. Soil pile estimated to be 150 yd^3 on 2/23/93

Soil taken to OHI 120.96 tons on 5/14/93, 6/1-2/93 & 6/11/93.

Final report on hydrocarbon investigation dated 12/31/91.

First investigation conducted 11/20 - 12/11/89. Created soil cell on adjacent property. Second investigation conducted 8/23 - 9/12/91. Second investigation took soil samples & reevaluated first work. Contamination found when right turn lane was constructed. Site is 0.2 miles NW of Fanno Creek. Soil samples taken 11/30/89 found 0.28 ppm TPH on 12/8/89 found 97.4 ppm TPH. Additional samples taken 12/11/89 found 4.6 ppm TPH. Soil cell found 1600 ppm - TPH-G & 370 ppm TPH-heavy oil on 8/26/91. No TCLP failure. Level 2 Matrix site.

Site ready for NFA

1535 - 1550 ~~0935~~
1640 ~ 1650

UNDERGROUND STORAGE TANK CLEANUP REPORT EVALUATION WORKSHEET

File Number: 34-89-287 Date Evaluated: 12-28-94

Site Name: Shell Station (Former) Evaluated By: JAM

Number of USTs Decom.: 0 Gasoline 0 Diesel 0 Waste Oil 0 Other

Yes TPH-HCID conducted on contaminated sample?
Type of product detected: X gasoline ___diesel X fuel oil ___waste oil ___Other

___ Matrix Evaluation Cleanup Level: ___1 X 2 ___3

Soil Contamination

___ Highest concentration by method TPH-G: ~~160~~ 1600 ppm

___ Highest concentration by method TPH-D: ___ppm

___ Highest concentration by method 418.1: 370 ppm

___ BTEX concentrations?___

For Waste Oil Contaminated Soils Only

___ Halogenated Solvents (method 8010 or 8240):___

___ PCBs (method 8080):___

___ TCLP for Cd, Cr, Pb:___

Groundwater Information

Was groundwater encountered in excavation? NO

Did groundwater recharge after purging excavation?___
If yes, then complete the following:

___Sheen on water initially?
___Sheen on water after cleanup?
___BTEX on soil at the soil water interface (ppm): B___ T___ E___ X___
___BTEX in water (highest result) (ppm): B___ T___ E___ X___
___PAH analysis for water where TPH >0.5 ppm? Results___ppb
___PAH analysis for water where diesel or heavier released? Results___ppb
___If solvents detected in soils in contact w/groundwater, solvents in gw?___ppb

Does your review indicate that site is a matrix site or that it can be closed under the matrix rules? Why? yes - No ground water evident, levels cleaned to level 2 standards

General Information for Matrix Sites

___ Decommissioning checklist and report?

yes Matrix checklist enclosed?

yes Matrix scoresheet enclosed? For sites identified as Level 3, is this appropriate? Why?_____________________________

yes Analytical results for all sampling enclosed?

___ Appropriate test methods?

yes Valid chain-of-custody forms (complete info, signatures, holding times)?

✓ Site sketch enclosed with sample locations clearly marked?

no Pocket of contamination left in place?

- ___ Samples collected? Highest concentrations remaining?_____ppm.
- ___ Size and extent of the pocket defined?
- ___ Volume of remaining contaminated soil? ____cubic yards

Disposal Receipts

No Tanks

___ Tank disposal documentation enclosed? Disposal location____________________

___ Product, wastewater (including well purge water), and sludge disposal documentation enclosed? Disposal location(s)____________________

Soil Treatment and Disposal

Volume of soil excavated: ________ cubic yards or ~~161~~ 120.96 tons

X Off-site disposal? Disposal location Oregon Hydrocarbon

___ Treatment? SWLA issued____________SWLA expires____________

yes Has final disposal been completed?

Disposal address? OREGON HYDROCARBON 9333 North Harborgate Street Portland

Additional Information Required Before NFA Can Be Issued

UST CLEANUP TELEPHONE USE REPORT

CALL FROM/TO: Doug Marsh DATE: Nov 15, 1994

WITH: ODOT TIME:

TELEPHONE NO: ( ) 731-9301

REGARDING: PCS disposal @ TPS Tech

FILE NO: - - LIST 9 files

SUMMARY OF CALL

03-91-289
26-93-031
34-89-287
05-91-082
34-93-001
26-92-337
03-92-149
26-93-010
03-92-319

All PCS trasported to OHI for treatment.

Staff Signature

11/15/94 14:34 ☎5037318259 ODOT - REGION 1

Oregon

DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHWEST REGION

October 5, 1994

DOUGLAS MARSH
OREGON DEPARTMENT OF TRANSPORTATION
REGION 1 GEOLOGY
9002 SE MCLOUGHLIN BLVD
MILWAUKIE OREGON 97222

Re: ODOT Soil disposal

Dear Mr. Marsh:

The purpose of this letter is to follow up on petroleum contaminated soils that were stockpiled at one time on ODOT properties or work-sites. Many of these soil piles were associated with releases from underground storage tanks. At one time ODOT had planned to dispose of these soil piles at Oregon Hydrocarbon Inc (TPS Technologies). Please confirm that each of the soil piles from the sites listed below were disposed of at a processing facility or landfill. The ODOT site name is followed by the ODEQ Underground Storage Tank release number.

Milwaukie Maintenance Yard. 03-91-289 03CYF
Sandy Blvd. & Columbia Blvd. Interchange. 26-93-031 07-00046 5/93
Beaverton - Hillsdale Hwy @ Scholls Hwy. 34-89-287 07-00048 6/93
Hwy. 30, MP 28.79. 05-91-082 03DLF
Manning Maintenance Yard. 34-93-001 03DMF
Sylvan Maintenance Yard. 26-92-337 03DRF
Hwy. 211 & Shirley Street 03-92-149 03DVT
Glisan Maintenance Yard. 26-93-010 03DAF
Lawnfield Maintenance Yard. 03-92-319 03CZF

Thankyou in advance for assisting the Department in our efforts at updating our records.

Sincerely,

Gregory Toran

Gregory Toran
Environmental Specialist
Northwest Region

Post-It™ brand fax transmittal memo 7671 | # of pages ▸ 10

To GREG TORAN	From DOUG MARSH
Co. ODEQ (NWR)	Co. ODOT R-1 GEO
Dept. (NWR)	Phone # 731-8301
Fax # 229-6945	Fax # 731-8259

2020 SW Fourth Avenu
Suite 400
Portland, OR 97201-498
(503) 229-5263 Voice/TD
DEQ-1

OREGON HYDROCARBON, INC.

9333 NORTH HARBORGATE STREET • P.O. BOX 83685 PORTLAND, OR 97283 (503) 735-9525 FAX (503) 240-1712

March 25, 1993

Mr. Henry Schmid
OR Dept of Transportation
9002 SE McLoughlin Blvd.
Milwaukie, OR 97222

Dear Mr. Schmid:

This letter is to certify that all contaminated soil shipped to Oregon Hydrocarbon Inc. on Bill of Lading number(s) 03CYF-1 through 03CYF-7, 9002 SE McLoughlin Blvd., Milwaukie, OR have been thermally treated.

Analysis of the treated soil was conducted by an independent laboratory using Oregon DEQ TPH-HCID test. The enclosed certificate of analysis shows total petroleum hydrocarbon (TPH) in milligrams per kilogram (mg/kg), which approximates parts per million.

As determined by the Oregon Department of Environmental Quality, the Oregon action level for hydrocarbon contaminated soil is 40 mg/kg TPH for gasoline and 100 mg/kg TPH for diesel and other heavier chains of hydrocarbons. Any soil contaminated with hydrocarbons below these state levels is considered environmentally safe. The Oregon Hydrocarbon Inc. standard of treatment consistently exceeds Oregon's state action level.

We thank you for this opportunity to be of service to you. Should you have any further questions, please feel free to call me at any time.

Sincerely,

Lexus E. Johnson
General Manager

enclosure

Soil Recycling Certificate

TPS Technologies Inc. does hereby certify

that 40.51 tons of petroleum - contaminated soil

received from

Oregon Department of Transportation
I-205 and Sandy Boulevard
Portland, Oregon

Under Manifest/authorization number 07-00046

has been properly recycled to approved regulatory standards

at our Soil Recycling Facility in Portland, Oregon

Dated this 11th day of June , 19 93

Sworn and Attested by:
TPS Technologies Inc.

By:

Soil Recycling Certificate

TPS Technologies Inc. does hereby certify

that 120.96 tons of petroleum - contaminated soil

received from

Oregon Department of Transportation
Beaverton Hillsdale Highway at Scholls Hwy
Beaverton, OR

Under Manifest/authorization number 07- 00048

have been properly recycled to approved regulatory standards

at our Soil Recycling Facility in Portland, Oregon

Dated this 22nd day of June , 1993

Sworn and Attested by:
TPS Technologies Inc.

By: ________________

OREGON HYDROCARBON, INC.

9333 NORTH HARBORGATE STREET • P.O. BOX 83685 PORTLAND, OR 97283 (503) 735-9525 FAX (503) 240-1712

June 23, 1993

Mr. Henry Schmid
Oregon Dept of Transportation
9002 SE McLoughlin Blvd
Milwaukie, OR 97222

Dear Mr. Schmid:

This letter is to certify that all contaminated soil shipped to Oregon Hydrocarbon Inc. on Bill of Lading number(s) O3DLF-1 through O3DLF-3, Hwy 30 MP 28.79 St. Helens, Portland, OR have been thermally treated.

Analysis of the treated soil was conducted by an independent laboratory using Oregon DEQ TPH-HCID test. The enclosed certificate of analysis shows total petroleum hydrocarbon (TPH) in milligrams per kilogram (mg/kg), which approximates parts per million.

As determined by the Oregon Department of Environmental Quality, the Oregon action level for hydrocarbon contaminated soil is 40 mg/kg TPH for gasoline and 100 mg/kg TPH for diesel and other heavier chains of hydrocarbons. Any soil contaminated with hydrocarbons below these state levels is considered environmentally safe. The Oregon Hydrocarbon Inc. standard of treatment consistently exceeds Oregon's state action level.

We thank you for this opportunity to be of service to you. Should you have any further questions, please feel free to call me at any time.

Sincerely,

Lexus E. Johnson
General Manager

enclosure

OREGON HYDROCARBON, INC.

9333 NORTH HARBORGATE STREET • P.O. BOX 83685 PORTLAND. OR 97283 (503) 735-9525 FAX (503) 240-1712

April 8, 1993

Mr. Henry Schmid
Oregon Dept of Transportation
9002 SE McLoughlin Blvd
Milwaukie, OR 97222

Dear Mr. Schmid:

This letter is to certify that all contaminated soil shipped to Oregon Hydrocarbon Inc. on Bill of Lading number(s) O3DMF-1 through O3DMF-5, Rt 1, Box 298, Banks, OR have been thermally treated.

Analysis of the treated soil was conducted by an independent laboratory using Oregon DEQ TPH-HCID test. The enclosed certificate of analysis shows total petroleum hydrocarbon (TPH) in milligrams per kilogram (mg/kg), which approximates parts per million.

As determined by the Oregon Department of Environmental Quality, the Oregon action level for hydrocarbon contaminated soil is 40 mg/kg TPH for gasoline and 100 mg/kg TPH for diesel and other heavier chains of hydrocarbons. Any soil contaminated with hydrocarbons below these state levels is considered environmentally safe. The Oregon Hydrocarbon Inc. standard of treatment consistently exceeds Oregon's state action level.

We thank you for this opportunity to be of service to you. Should you have any further questions, please feel free to call me at any time.

Sincerely,

Lexus E. Johnson

Lexus E. Johnson
General Manager

enclosure

OREGON HYDROCARBON, INC.

9333 NORTH HARBORGATE STREET • P.O. BOX 83685 PORTLAND, OR 97283 (503) 735-9525 FAX (503) 240-1712

April 8, 1993

Mr. Henry Schmid
Oregon Dept of Transportation
9002 SE McLoughlin Blvd
Milwaukie, OR 97222

Dear Mr. Schmid:

This letter is to certify that all contaminated soil shipped to Oregon Hydrocarbon Inc. on Bill of Lading number(s) O3DRF-1 through O3DRF-13, 2131 SW Scholls Ferry, Portland, OR have been thermally treated.

Analysis of the treated soil was conducted by an independent laboratory using Oregon DEQ TPH-HCID test. The enclosed certificate of analysis shows total petroleum hydrocarbon (TPH) in milligrams per kilogram (mg/kg), which approximates parts per million.

As determined by the Oregon Department of Environmental Quality, the Oregon action level for hydrocarbon contaminated soil is 40 mg/kg TPH for gasoline and 100 mg/kg TPH for diesel and other heavier chains of hydrocarbons. Any soil contaminated with hydrocarbons below these state levels is considered environmentally safe. The Oregon Hydrocarbon Inc. standard of treatment consistently exceeds Oregon's state action level.

We thank you for this opportunity to be of service to you. Should you have any further questions, please feel free to call me at any time.

Sincerely,

Lexus E. Johnson

Lexus E. Johnson
General Manager

enclosure

OREGON HYDROCARBON, INC.
9333 NORTH HARBORGATE STREET • P.O. BOX 83685 PORTLAND, OR 97283 (503) 735-9525 FAX (503) 240-1712

April 8, 1993

Mr. Douglas Marsh
Oregon Dept of Transportation
9002 SE McLoughlin Blvd
Milwaukie, OR 97222

Dear Mr. Marsh:

This letter is to certify that all contaminated soil shipped to Oregon Hydrocarbon Inc. on Bill of Lading number(s) O3DVT-1 through O3DVT-17, Hwy 211/Shirley Street, Molalla, OR have been thermally treated.

Analysis of the treated soil was conducted by an independent laboratory using Oregon DEQ TPH-HCID test. The enclosed certificate of analysis shows total petroleum hydrocarbon (TPH) in milligrams per kilogram (mg/kg), which approximates parts per million.

As determined by the Oregon Department of Environmental Quality, the Oregon action level for hydrocarbon contaminated soil is 40 mg/kg TPH for gasoline and 100 mg/kg TPH for diesel and other heavier chains of hydrocarbons. Any soil contaminated with hydrocarbons below these state levels is considered environmentally safe. The Oregon Hydrocarbon Inc. standard of treatment consistently exceeds Oregon's state action level.

We thank you for this opportunity to be of service to you. Should you have any further questions, please feel free to call me at any time.

Sincerely,

Lexus E. Johnson

Lexus E. Johnson
General Manager

enclosure

OREGON HYDROCARBON, INC.

9333 NORTH HARBORGATE STREET • P.O. BOX 83685 PORTLAND, OR 97283 (503) 735-9525 FAX (503) 240-1712

April 8, 1993

Mr. Henry Schmid
Oregon Dept of Transportation
9002 SE McLoughlin Blvd
Milwaukie, OR 97222

Dear Mr. Schmid:

This letter is to certify that all contaminated soil shipped to Oregon Hydrocarbon Inc. on Bill of Lading number(s) O3DAF-1 through O3DAF-6, 5821 NE Glisan, Portland, OR have been thermally treated.

Analysis of the treated soil was conducted by an independent laboratory using Oregon DEQ TPH-HCID test. The enclosed certificate of analysis shows total petroleum hydrocarbon (TPH) in milligrams per kilogram (mg/kg), which approximates parts per million.

As determined by the Oregon Department of Environmental Quality, the Oregon action level for hydrocarbon contaminated soil is 40 mg/kg TPH for gasoline and 100 mg/kg TPH for diesel and other heavier chains of hydrocarbons. Any soil contaminated with hydrocarbons below these state levels is considered environmentally safe. The Oregon Hydrocarbon Inc. standard of treatment consistently exceeds Oregon's state action level.

We thank you for this opportunity to be of service to you. Should you have any further questions, please feel free to call me at any time.

Sincerely,

Lexus E. Johnson

Lexus E. Johnson
General Manager

enclosure

OREGON HYDROCARBON, INC.
9333 NORTH HARBORGATE STREET • P.O. BOX 83685 PORTLAND, OR 97283 (503) 735-9525 FAX (503) 240-1712

April 8, 1993

Mr. Henry Schmid
Oregon Dept of Transportation
9002 SE McLoughlin Blvd
Milwaukie, OR 97222

Dear Mr. Schmid:

This letter is to certify that all contaminated soil shipped to Oregon Hydrocarbon Inc. on Bill of Lading number(s) 03CZF-1 through 03CZF-8, 9200 SE Lawnfield, Portland, OR have been thermally treated.

Analysis of the treated soil was conducted by an independent laboratory using Oregon DEQ TPH-HCID test. The enclosed certificate of analysis shows total petroleum hydrocarbon (TPH) in milligrams per kilogram (mg/kg), which approximates parts per million.

As determined by the Oregon Department of Environmental Quality, the Oregon action level for hydrocarbon contaminated soil is 40 mg/kg TPH for gasoline and 100 mg/kg TPH for diesel and other heavier chains of hydrocarbons. Any soil contaminated with hydrocarbons below these state levels is considered environmentally safe. The Oregon Hydrocarbon Inc. standard of treatment consistently exceeds Oregon's state action level.

We thank you for this opportunity to be of service to you. Should you have any further questions, please feel free to call me at any time.

Sincerely,

Lexus E. Johnson

Lexus E. Johnson
General Manager

enclosure

Oregon

DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHWEST REGION

October 5, 1994

DOUGLAS MARSH
OREGON DEPARTMENT OF TRANSPORTATION
REGION 1 GEOLOGY
9002 SE MCLOUGHLIN BLVD
MILWAUKIE OREGON 97222

Re: ODOT Soil disposal

Dear Mr. Marsh:

The purpose of this letter is to follow up on petroleum contaminated soils that were stockpiled at one time on ODOT properties or work-sites. Many of these soil piles were associated with releases from underground storage tanks. At one time ODOT had planned to dispose of these soil piles at Oregon Hydrocarbon Inc (TPS Technologies). Please confirm that each of the soil piles from the sites listed below were disposed of at a processing facility or landfill. The ODOT site name is followed by the ODEQ Underground Storage Tank release number.

Milwaukie Maintenance Yard. 03-91-289
Sandy Blvd. & Columbia Blvd. Interchange. 26-93-031
Beaverton - Hillsdale Hwy @ Scholls Hwy. 34-89-287
Hwy. 30, MP 28.79. 05-91-082
Manning Maintenance Yard. 34-93-001
Sylvan Maintenance Yard. 26-92-337
Hwy. 211 & Shirley Street 03-92-149
Glisan Maintenance Yard. 26-93-010
Lawnfield Maintenance Yard. 03-92-319

Thankyou in advance for assisting the Department in our efforts at updating our records.

Sincerely,

Gregory Toran

Gregory Toran
Environmental Specialist
Northwest Region

STATE OF OREGON 1859

2020 SW Fourth Avenue
Suite 400
Portland, OR 97201-4987
(503) 229-5263 Voice/TDD

DEQ-1

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

⬇ Manifest # ⬇

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility#:	Given by TPS:	Load #
5-14-93	GENERATOR	ODOT	07	00048	003

Generator Name and Billing Address:
OREGON DEPT OF TRANSPORTATION
9002 SE MCLOUGHLIN BLVD
MILWAUKIE, OR 97222

Generator's Phone #: (503) 653-3080
Person to Contact: DOUG MARSH
FAX#: ( ) -
Generator's US EPA ID No.:
Customer Account Number with TPS: 1000494

Consultant's Name and Billing Address:

Consultant's Phone #: ( ) -
Person to Contact:
FAX#: ( ) -
Customer Account Number with TPS:

Generation Site (Transport from): (name & address)
ODOT
BEAVERTON HILLSDALE HWY/SCHOLL
BEAVERTON, OR

Site Phone #: ( ) -
Person to Contact:
FAX#: ( ) -
BETX Levels ppb
TPH 5500N ppm
AVG. Levels ppb ppm

Designated Facility (Transport to): (name & address)
Oregon Hydrocarbon Inc.
9333 North Harborgate Street
Portland, OR 97203

Facility Phone #: (503) 735-9525
Person to Contact: Glenna Mullan
FAX#: (503) 240-1712
Facility Permit Numbers

Transporter Name and Mailing Address:

Transporter's Phone #: ( ) -
Person to Contact:
FAX#: ( ) -
Transporter's US EPA ID No.:
Transporter's DOT No.:
Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			47940	29700	18240
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐				9.12 tons	
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					

List any exception to items listed above:

Generator and/or Consultant

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above.

Print or Type Name: Generator ☐ Consultant ☐ Signature and date: Month Day Year

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received.

Print or Type Name: X Jeffery D. Cissna
Signature and date: X Jeffery D. Cissna
Month Day Year

Recycling Facility

Discrepancies:

FLAME TEST Gm

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Glenna Mullan
Signature and date: Glenna Mullan 5-14-93

Please print or type.

TPS FACILITY COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

⬇ Manifest # ⬇

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility#:	Given by TPS:	Load #
5-14-93	GENERATOR	ODOT	07	00048	004

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	Generator's US EPA ID No.
OREGON DEPT OF TRANSPORTATION 9002 SE MCLOUGHLIN BLVD MILWAUKIE, OR 97222	(503) 653-3080 Person to Contact: DOUG MARSH FAX#: ( ) -	Customer Account Number with TPS: 1000494

Consultant's Name and Billing Address:	Consultant's Phone #:	
	( ) - Person to Contact: FAX#: ( ) -	Customer Account Number with TPS:

Generation Site (Transport from): (name & address)	Site Phone #:	
ODOT BEAVERTON HILLSDALE HWY/SCHOLL BEAVERTON, OR	( ) - Person to Contact: FAX#: ( ) -	BETX Levels ppb TPH 5500N ppm AVG. Levels ppb ppm

Designated Facility (Transport to): (name & address)	Facility Phone #:	Facility Permit Numbers
Oregon Hydrocarbon Inc. 9333 North Harborgate Street Portland, OR 97203	(503) 735-9525 Person to Contact: Glenna Mullan FAX#: (503) 240-1712	

Transporter Name and Mailing Address:	Transporter's Phone #:	Transporter's US EPA ID No.:
	( ) - Person to Contact: FAX#: ( ) -	Transporter's DOT No.: Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑			41760	23240	18520
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑				9.26 tons	
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above.

Print or Type Name: Generator ❑ Consultant ❑ Signature and date: Month Day Year

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received.

Print or Type Name: X Rob Heyman Signature and date: X Robert Heyman Month Day Year

Recycling Facility

Discrepancies:

FLAME TEST GM

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Glenna Mullan Signature and date: Glenna Mullan 5-14-93

Please print or type.

TPS FACILITY COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

⬇ Manifest # ⬇

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility#:	Given by TPS:	Load #
5-14-93	GENERATOR	ODOT	07	00048	005

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	Generator's US EPA ID No.
OREGON DEPT OF TRANSPORTATION 9002 SE MCLOUGHLIN BLVD MILWAUKIE, OR 97222	(503) 653-3080 Person to Contact: DOUG MARSH FAX#: ( ) -	Customer Account Number with TPS: 1000494

Consultant's Name and Billing Address:	Consultant's Phone #: ( ) -	
	Person to Contact:	
	FAX#: ( ) -	Customer Account Number with TPS:

Generation Site (Transport from): (name & address)	Site Phone #: ( ) -	BETX Levels ppb
ODOT BEAVERTON HILLSDALE HWY/SCHOLL BEAVERTON, OR	Person to Contact:	TPH 5500N ppm
	FAX#: ( ) -	AVG. Levels ppb ppm

Designated Facility (Transport to): (name & address)	Facility Phone #:	Facility Permit Numbers
Oregon Hydrocarbon Inc. 9333 North Harborgate Street Portland, OR 97203	(503) 735-9525 Person to Contact: Glenna Mullan FAX#: (503) 240-1712	

Transporter Name and Mailing Address:	Transporter's Phone #: ( ) -	Transporter's US EPA ID No.:
	Person to Contact:	Transporter's DOT No.:
	FAX#: ( ) -	Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑			49920	26160	23760
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑				11.88 tons	
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above.

Print or Type Name: X Jeffery D. Cissna   Generator ❑   Consultant ❑
Signature and date: X Jeffery D. Cissna   Month Day Year

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received.

Print or Type Name:
Signature and date: Month Day Year

Recycling Facility

Discrepancies:

FLAME TEST GM

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Glenna Mullan
Signature and date: Glenna Mullan 5-14-93

Please print or type.

TPS FACILITY COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

⬇ Manifest # ⬇

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPS:	Load #
5-14-93	GENERATOR	ODOT	07	00048	006

Generator and/or Consultant

Generator's Name and Billing Address:
OREGON DEPT OF TRANSPORTATION
9002 SE MCLOUGHLIN BLVD
MILWAUKIE, OR 97222

Generator's Phone #: (503) 653-3080
Person to Contact: DOUG MARSH
FAX#: ( ) -
Generator's US EPA ID No.:
Customer Account Number with TPS: 1000494

Consultant's Name and Billing Address:

Consultant's Phone #: ( ) -
Person to Contact:
FAX#: ( ) -
Customer Account Number with TPS:

Generation Site (Transport from): (name & address)
ODOT
BEAVERTON HILLSDALE HWY/SCHOLL
BEAVERTON, OR

Site Phone #: ( ) -
Person to Contact:
FAX#: ( ) -
BETX Levels ppb
TPH 5500N ppm
AVG. Levels ppb ppm

Designated Facility (Transport to): (name & address)
Oregon Hydrocarbon Inc.
9333 North Harborgate Street
Portland, OR 97203

Facility Phone #: (503) 735-9525
Person to Contact: Glenna Mullan
FAX#: (503) 240-1712
Facility Permit Numbers

Transporter Name and Mailing Address:

Transporter's Phone #: ( ) -
Person to Contact:
FAX#: ( ) -
Transporter's US EPA ID No.:
Transporter's DOT No.:
Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			47140	23220	23920
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐				11.96	tons
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above.

Print or Type Name: Generator ☐ Consultant ☐ Signature and date: Month Day Year

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received.

Print or Type Name: X Robert Heyman Signature and date: X Robert Heyman Month Day Year

Recycling Facility

Discrepancies:

FLAME TEST [illegible]

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Glenna Mullan Signature and date: Glenna Mullan 5-14-93

Please print or type.

TPS FACILITY COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

Manifest #

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility#:	Given by TPS:	Load #
- -	GENERATOR	ODOT	07	00048	007

Generator and/or Consultant

Generator's Name and Billing Address		
OREGON DEPT OF TRANSPORTATION 9002 SE MCLOUGHLIN BLVD MILWAUKIE, OR 97222	Generator's Phone #: (503) 653-3080 Person to Contact: DOUG MARSH FAX#: ( ) -	Generator's US EPA ID No.: Customer Account Number with TPS: 1000494
Consultant's Name and Billing Address:	Consultant's Phone #: ( ) - Person to Contact: FAX#: ( ) -	 Customer Account Number with TPS:
Generation Site (Transport from): (name & address) ODOT BEAVERTON HILLSDALE HWY/SCHOLL BEAVERTON, OR	Site Phone #: ( ) - Person to Contact: FAX#: ( ) -	BETX Levels ppb TPH 5500N ppm AVG. Levels ppb ppm
Designated Facility (Transport to): (name & address) Oregon Hydrocarbon Inc. 9333 North Harborgate Street Portland, OR 97203	Facility Phone #: (503) 735-9525 Person to Contact: Glenna Mullan FAX#: (503) 240-1712	Facility Permit Numbers
Transporter Name and Mailing Address:	Transporter's Phone #: ( ) - Person to Contact: FAX#: ( ) -	Transporter's US EPA ID No.: Transporter's DOT No.: Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑			43020	25900	17120
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑				8.56 tons	
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above.

Print or Type Name: Generator ❑ Consultant ❑ | Signature and date: | Month | Day | Year

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received.

Print or Type Name: X Jeffery D. Cissna | Signature and date: X Jeffery D. Cissna | Month 6 | Day 1 | Year 93

Recycling Facility

Discrepancies:

FLAME TEST JC

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Jackie Christensen | Signature and date: Jackie Christensen

Please print or type.

TPS FACILITY COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

Manifest #

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility#:	Given by TPS:	Load #
- -	GENERATOR	ODOT	07	00048	008

Generator's Name and Billing Address:	Generator's Phone #:	Generator - US EPA ID No.
OREGON DEPT OF TRANSPORTATION 9002 SE MCLOUGHLIN BLVD MILWAUKIE, OR 97222	(503) 653-3080 Person to Contact: DOUG MARSH FAX #: ( ) -	Customer Account Number with TPS: 1000494

Consultant's Name and Billing Address:	Consultant's Phone #:	
	( ) - Person to Contact: FAX #: ( ) -	Customer Account Number with TPS:

Generation Site (Transport from) (name & address):	Site Phone #:	
ODOT BEAVERTON HILLSDALE HWY/SCHOLL BEAVERTON, OR	( ) - Person to Contact: FAX #: ( ) -	BETX Levels ppb TPH 5500N ppm AVG Levels ppb ppm

Designated Facility (Transport to) (name & address):	Facility Phone #:	Facility Permit Numbers
Oregon Hydrocarbon Inc. 9333 North Harborgate Street Portland, OR 97203	(503) 735-9525 Person to Contact: Glenna Mullan FAX #: (503) 240-1712	

Transporter Name and Mailing Address:	Transporter's Phone #:	Transporter's US EPA ID No.:
	( ) - Person to Contact: FAX #: ( ) -	Transporter's DOT No.: Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			46320	26120	20200
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			10,10		

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above.

Print or Type Name: Generator ☐ Consultant ☐ Signature and date: Month Day Year

Generator and/or Consultant

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received.

Print or Type Name: X Jeffery D. Cissna Signature and date: X Jeffery D. Cissna Month 6 Day 1 Year 93

Transporter

Discrepancies:

FLAME TEST JC

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Jackie Christensen Signature and date: Jackie Christensen

Recycling Facility

Please print or type.

TPS FACILITY COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

Manifest #

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility#:	Given by TPS:	Load #
- -	GENERATOR	ODOT	07	00048	009

Generator and/or Consultant

Generator's Name and Billing Address	Generator's Phone #:	Generator's US EPA ID No.
OREGON DEPT OF TRANSPORTATION 9002 SE MCLOUGHLIN BLVD MILWAUKIE, OR 97222	(503) 653-3080	
	Person to Contact: DOUG MARSH	
	FAX#: ( ) -	Customer Account Number with TPS: 1000494

Consultant's Name and Billing Address:	Consultant's Phone #:	
	( ) -	
	Person to Contact:	
	FAX#: ( ) -	Customer Account Number with TPS:

Generation Site (Transport from): name & address	Site Phone #:	
ODOT BEAVERTON HILLSDALE HWY/SCHOLL BEAVERTON, OR	( ) -	BETX Levels ppb
	Person to Contact:	TPH 5500N ppm
	FAX#: ( ) -	AVG. Levels ppb ppm

Designated Facility (Transport to): name & address	Facility Phone #:	Facility Permit Numbers
Oregon Hydrocarbon Inc. 9333 North Harborgate Street Portland, OR 97203	(503) 735-9525	
	Person to Contact: Glenna Mullan	
	FAX#: (503) 240-1712	

Transporter Name and Mailing Address:	Transporter's Phone #:	Transporter's US EPA ID No.:
	( ) -	
	Person to Contact:	Transporter's DOT No.:
	FAX#: ( ) -	Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑			46220	26260	19960
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑			9.98		

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above.

Print or Type Name: Generator ❑ Consultant ❑ Signature and date: Month Day Year

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received.

Print or Type Name: Jeffery D. Cissna Signature and date: X Jeffery D. Cissna Month 6 Day 2 Year 93

Recycling Facility

Discrepancies:

FLAME TEST

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Jackie Christensen Signature and date: Jackie Christensen

Please print or type. TPS FACILITY COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

⬇ Manifest # ⬇

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility #:	Given by TPS:	Load #
- -	GENERATOR	ODOT	07	00048	010

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	Generator's US EPA ID No.
OREGON DEPT OF TRANSPORTATION 9002 SE MCLOUGHLIN BLVD MILWAUKIE, OR 97222	(503) 653-3080	
	Person to Contact: DOUG MARSH	
	FAX#: ( ) -	Customer Account Number with TPS: 1000494

Consultant's Name and Billing Address:	Consultant's Phone #: ( ) -	
	Person to Contact:	
	FAX#: ( ) -	Customer Account Number with TPS:

Generation Site (Transport from: name & address)	Site Phone #: ( ) -	BETX Levels: ppb
ODOT BEAVERTON HILLSDALE HWY/SCHOLL BEAVERTON, OR	Person to Contact:	TPH Levels: 5500N ppm
	FAX#: ( ) -	AVG. Levels: ppb ppm

Designated Facility (Transport to: name & address)	Facility Phone #: (503) 735-9525	Facility Permit Numbers
Oregon Hydrocarbon Inc. 9333 North Harborgate Street Portland, OR 97203	Person to Contact: Glenna Mullan	
	FAX#: (503) 240-1712	

Transporter Name and Mailing Address:	Transporter's Phone #: ( ) -	Transporter's US EPA ID No.:
	Person to Contact:	Transporter's DOT No.:
	FAX#: ( ) -	Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑			45780	26040	19740
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑			9.87		

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above.

Print or Type Name: Generator ❑ Consultant ❑ Signature and date: Month Day Year

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received.

Print or Type Name: X Jeffery D. Cissna Signature and date: X Jeffery D. Cissna Month 6 Day 2 Year 93

Recycling Facility

Discrepancies:

FLAME TEST GM

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Jackie Christensen Signature and date: Jackie Christensen

Please print or type.

TPS FACILITY COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

⬇ Manifest # ⬇

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility#:	Given by TPS:	Load #
- -	GENERATOR	ODOT	07	00048	011

Generator and/or Consultant

Generator's Name and Billing Address		
OREGON DEPT OF TRANSPORTATION 9002 SE MCLOUGHLIN BLVD MILWAUKIE, OR 97222	Generator's Phone #: (503) 653-3080	Generator's US EPA ID No.
	Person to Contact: DOUG MARSH	
	FAX: ( ) -	Customer Account Number with TPS: 1000494

Consultant's Name and Billing Address:		
	Consultant's Phone #: ( ) -	
	Person to Contact:	
	FAX: ( ) -	Customer Account Number with TPS:

Generation Site (Transport from): (name & address)		
ODOT BEAVERTON HILLSDALE HWY/SCHOOL BEAVERTON, OR	Site Phone #: ( ) -	BETX Levels ppb
	Person to Contact:	TPH Levels 5,500 N ppm
	FAX: ( ) -	AVG. Levels ppb ppm

Designated Facility (Transport to): (name & address)		
Oregon Hydrocarbon Inc. 9333 North Harborgate Street Portland, OR 97203	Facility Phone #: (503) 735-9525	Facility Permit Numbers
	Glenna Mullan	
	FAX: (503) 240-1712	

Transporter Name and Mailing Address:		
	Transporter's Phone #: ( ) -	Transporter's US EPA ID No.:
	Person to Contact:	Transporter's DOT No.:
	FAX: ( ) -	Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			43600	26160	17440
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			8.72		

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above.

Print or Type Name: Generator ☐ Consultant ☐ Signature and date: Month Day Year

Transporter

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received.

Print or Type Name: X Jeffery D. Cissna Signature and date: X Jeffery D. Cissna Month 6 Day 29 Year 93

Recycling Facility

Discrepancies:

FLAME TEST JC

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Jackie Christensen Signature and date: Jackie Christensen

Please print or type.

TPS FACILITY COPY

TPS Technologies Soil Recycling
Non-Hazardous Soils

Manifest

⬇ Manifest # ⬇

Date of Shipment:	Responsible for Payment:	Transporter Truck #:	Facility#:	Given by TPS:	Load #
06-03-93	GENERATOR	ODOT	07	00048	012 ~~013~~

Generator's Name and Billing Address:
OREGON DEPT OF TRANSPORTATION
9002 SE MCLOUGHLIN BLVD
MILWAUKIE, OR 97222

Generator's Phone #: ~~(503) 653-3080~~
Person to Contact: DOUG MARSH
FAX#: ( ) –
Generator's US EPA ID No.:
Customer Account Number with TPS:

Consultant's Name and Billing Address:

Consultant's Phone #: ( ) –
Person to Contact:
FAX#: ( ) –
Customer Account Number with TPS:

Generation Site (Transport from:) (name & address)
ODOT
BEAVERTON HILLSDALE HWY/SCHOLL
BEAVERTON OR

Site Phone #: ( ) –
Person to Contact:
FAX#: ( ) –
BETX Levels: ppb
TPH Levels: 5,500 N ppm
AVG. Levels: ppb ppm

Designated Facility (Transport to:) (name & address)
Oregon Hydrocarbon Inc.
9333 North Harborgate Street
Portland, OR 97203

Facility Phone #: (503) 735-9525
Person to Contact: Glenna Mullan
FAX#: (503) 240-1712
Facility Permit Numbers:

Transporter Name and Mailing Address:

Transporter's Phone #: ( ) –
Person to Contact:
FAX#: ( ) –
Transporter's US EPA ID No.:
Transporter's DOT No.:
Customer Account Number with TPS:

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑			47700	26180	21520
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑				10.76 tons	
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above.

Print or Type Name: Generator ❑ Consultant ❑ Signature and date: Month Day Year

Generator and/or Consultant

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received.

Print or Type Name: X Jeffery D. Cissna
Signature and date: X Jeffery D. Cissna
Month Day Year

Transporter

Discrepancies:

FLAME TEST GLM

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Glenna Mullan
Signature and date: Glenna Mullan 6-11-93

Recycling Facility

Please print or type.

TPS FACILITY COPY

Oregon

DEPARTMENT OF TRANSPORTATION

HIGHWAY DIVISION

Region 1

FILE CODE:

DEPT OF ENVIRONMENTAL QUALITY
RECEIVED
FEB 24 1993
NORTHWEST REGION

February 23, 1993

Andree Pollock
ODEQ NW Region
1500 SW First Ave., Ste. 750
Portland, OR 97201-5884

Dear Andree:

I have received confirmation from Oregon Hydrocarbon to incinerate several soil remediation piles within our Region 1 boundaries. These soils are located at:

Milwaukie Maintenance Yard, ODEQ
9002 SE McLoughlin Blvd.
Milwaukie, OR 97222
ODEQ File #03-91-289
Approx. 150-200 yd

Sandy Blvd. & Columbia Blvd. Interchange
I-205 on ramp
Approx. 100 yd

Beaverton-Hillsdale Hwy @ Scholls Hwy.
Portland, Oregon
ODEQ File #34-89-287
Approx. 150 yd

Hwy. 30, MP 28.79
St. Helens, OR
ODEQ File #05-91-082
Approx. 100 yd

Manning Maintenance Yard
Rte. 1, Box 298
Banks, OR 97106
Facility ID #1000
Approx. 20 yd

Sylvan Maintenance Yard
2131 SW Scholls Ferry Road
Portland, OR 97221
Facility ID #1218
Approx. 100 yd

Hwy. 211 & Shirley Street
Molalla, OR
ODEQ File # 03-92-149
Approx. 100 yd

9002 SE McLoughlin
Milwaukie, OR 97222
(503) 653-3090
FAX (503) 653-3267

Glisan Maintenance Yard
5821 NE Glisan St.
Portland, OR 97213
Facility ID# 1158
Approx. 20 yd

Lawnfield Maintenance
9200 SE Lawnfield
Clackamas, OR 97015
Facility ID# 8733
Approx. 20 yd

We are planning on doing this work starting the week of March 8, 1993 and continuing until it is completed.

Henry Schmid
Region 1 Haz/Mat Coordinator

HS:jp

L10223

E✓

UST FIELD INSPECTION REPORT

9:45 9:52

Site Name: Former Shell - Scholls Date: 1/29/93 Total Time*: ______

Site Address: ______ *Include inspection, travel, paperwork

File/Facility No.: 34-89-287 Inspector: Andree Pollock

Others Onsite: Ted Graham
include company name

Inspection Type

- ___ Install/Retro
- ___ Decommission
- ___ UST Facility
- ___ Distrib. Audit
- ___ Cleanup
- ✓ Soil Aeration
- ___ Complaint
- ___ Excav. Closure
- ___ FAP Application
- ___ ______ (other)

FAP Site? Y / N

Supervisor License No.: ______ (note name with **)

Health & Safety

Hazards Appraised? Y / N

Benzene Monitoring? Y / N
(if yes, attach form)

Potential Site Hazards

Traffic

(use NOTES if more room needed)

INSPECTION RESULTS - IN COMPLIANCE? Y / N / NA

↑ N Plan View SITE SKETCH (as appropriate) X-section of excavation

PHOTOS TAKEN? Y / N (attach) **SAMPLES TAKEN? Y / N** (attach results)

NOTES (use back of form as necessary)

Soil bermed + covered. As much 2.5' thick.

INSPECTION NOTES: (cont.)

SOIL AERATION FIELD INSPECTION REPORT

Site Name: Former Shell / ODOT Date: 7/14/92

Site Address: SW Beaverton Hillsdale / Scholls Fy

File No.: 34-89-287 Inspector: JKN

PHOTOS TAKEN? Y / N (attach) 2 **ESTIMATED VOLUME OF SOIL:** 250 yd^3

Y N 1. Is there any soil onsite?

Y N 2. Is any soil being treated offsite? If yes, please list the site address. small access road off Beaverton Hillsdale Hwy

Y N 3. If ~~soil is present onsite~~ is it stockpiled?

Y N 4. If ~~soil is present onsite~~ is it being actively treated?

Y N 5. Is the soil placed on plastic sheeting or other liner or in a paved or concreted area?

Y N 6. Are appropriate runoff controls in place? (berms, hay bales, etc.)

Y N 7. Is the treatment area located near (<100 feet) a wetland, stream, or residential area?

Y N 8. Does it look like the soil is covered during peak runoff periods?

Y N 9. Is access to the soil restricted? (within fenced area, area posted, etc.)

Y N 10. Is the treatment area located near residential properties, parks, or other areas with public access?

Y N 11. Is the treatment area on a steep embankment?

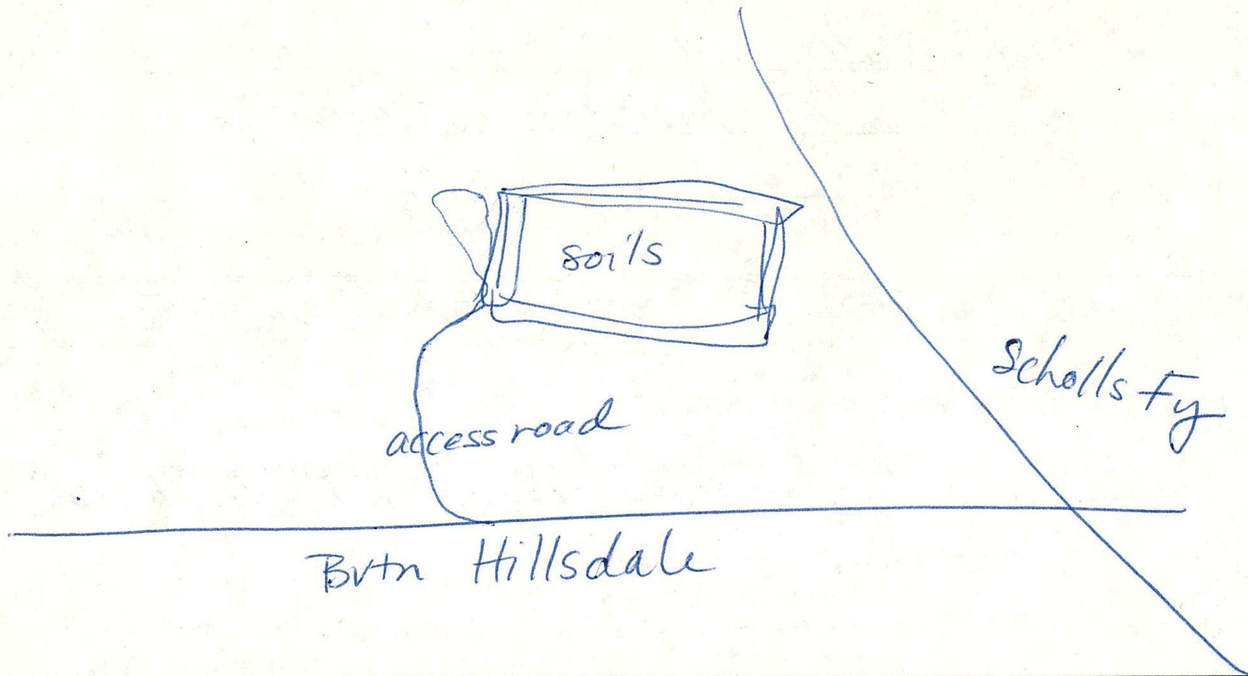
Y N 12. Is there an open excavation?

Y N 13. Is water present in the excavation?

Y N 14. Is follow up at the site recommended?

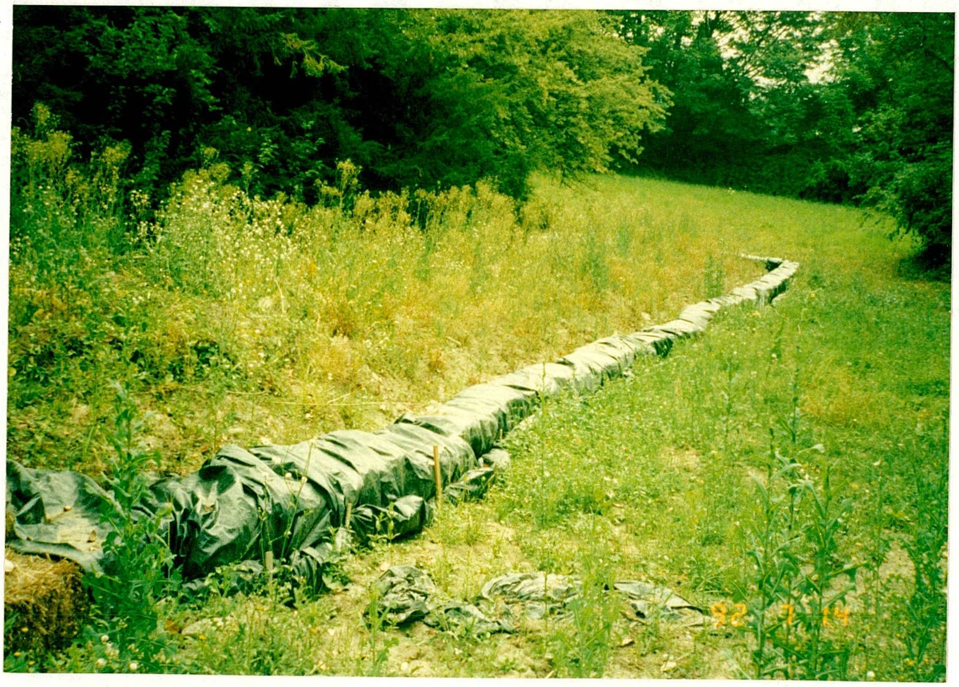
↑
N

SITE SKETCH



NOTES

Soils are very overgrown with vegetation - obviously ignored. Not covered - brms in place - needs attention. Homeless person camps adjacent to site. Property for sale



34-89-287

FORMER SHELL/ ODOT

RALEIGH HILLS/
BEAVERTON

Oregon

DEPARTMENT OF
ENVIRONMENTAL
QUALITY

January 16, 1992

MR DOUG MARSH
OREGON DEPARTMENT OF TRANSPORTATION
9002 SE MCLOUGHLIN BOULEVARD
MILWAUKIE OR 97222

Re: Former Shell Station
File No. 34-89-287

Dear Mr Marsh:

The Department of Environmental Quality has performed a preliminary review of the information submitted to date concerning the cleanup conducted at the SW corners of Beaverton Hillsdale Highway and Scholls Ferry Highway. At this time I am requesting additional information to continue the review. That information includes:

1. According to the report approximately 100 cubic yards of contaminated soil were removed from the excavation and stockpiled on property near the excavation. I have enclosed a Permit Addendum for Petroleum Contaminated Soils Management for your convenience. Please complete the form and return to the Northwest Region.

   The photos submitted with the report suggest that the soil is not properly stored for aeration. The soil must be placed on visqueen and the pile surrounded by bales of straw to prevent runoff. Also, the pile should be covered during rainy days.

   The soil remediation options outlined in your report are all acceptable solutions for treating the soil. Which option you choose is entirely up to you. Please thoroughly document any decision you make and all the steps taken to remediate the soil.

811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696

The Department requires you to analyze a minimum of 1 soil sample per 50 cubic yards from the aerating soil. Identify the total petroleum hydrocarbons (TPH) in the samples by DEQ Laboratory Analytical Method TPH-HCID. If contamination is detected, then analyze the samples for the appropriate contamination (gasoline or diesel) using the analytical method TPH-G or TPH-D. Method 418.1 Modified can be substituted for Method TPH-D.

After analysis has indicated that the levels of contamination are below cleanup level II, which was established for this site, the final destination of the treated soil must be documented.

2. The report indicates that soil samples collected from the excavation in December 1989 were tested for total petroleum hydrocarbon (TPH). Please clarify what analysis that was.

If you have any questions or would like to discuss this letter, please call me at 229-5245.

Sincerely,

Sharon M. Hays

Sharon M. Hays
UST Cleanup Specialist
Northwest Region

Enclosure

cc: UST Cleanup Section-ECD


89 11 21


C120
89 11 21

no tanks — just petroleum odor discovered during road c[illegible]uction

~~Doug Marsh~~
Doug Marsh = ODOT contact 229-5002

UNDERGROUND STORAGE TANK CLEANUP REPORT EVALUATION WORKSHEET

File Number: 34-89-287 **Date Evaluated:** 1/16/92

Site Name : Former Shell Station
ODOT
SW CORNER B.H. Hwy / SCHOLLS Fwy
Evaluated By: Smit

__ TPH-HCID conducted on contaminated sample
type of product detected: X gasoline X diesel
__ fuel oil __ waste oil __ Other (__________)

__ Matrix Evaluation
cleanup level: 1 __ 2 X 3 __

Gasoline Contamination

__ TPH-G analysis
Highest concentration ____ppm

Diesel Contamination (or heavier)

__ TPH-D (or TPH-418.1) analysis
Highest concentration ____ppm

Waste Oil Contamination

__ TPH-418.1 analysis
Highest concentration ____ppm
__ EPA Method 8010 (or 8240): ____________
(hal. vol.)
__ EPA Method 8020 (or 8240): ____________
(BTEX)
__ EPA Method 8080: ____________
(PCB)
__ TCLP for Cd, Cr, Pb: ____________

Groundwater Information

NO Groundwater
__ BETX on soil
Highest Results (ppm): B____ T____ E____ X____
__ BETX on H_2O
Highest Result (ppb): B____ T____ E____ X____
__ Sheen on H_2O initially
__ Sheen after cleanup
__ PAH analysis on H_2O for diesel or heavier contamination?
Results ____________ppb

General Information

NO Pocket of contamination left in place
__ Pocket sampled
Highest Concentration ____ppm
__ Size and extent of the pocket described/defined
__ Volume of remaining contamination _____yd^3

__ Matrix check list enclosed
YES Matrix Scoresheet enclosed

YES Analytical results for all sampling enclosed
__ Test methods appropriate
YES Chain-of-custody forms enclosed

__ Site sketch enclosed w/sample locations marked

__ Soil permit addendum or soil disposal documentation enclosed
__ Onsite treatment
__ Offsite treatment
Site address________________________________
__ Offsite disposal?
Disposal location____________________________
Volume of soil excavated________cu. yds.

__ Tank disposal documentation enclosed
Disposal Location________________________________

__ Product, waste water, and sludge (circle appropriate material) disposal receipts enclosed
Disposal location(s)____________________________
____

Additional information to request:

1. Aerating soil (100cy) sample #HA-1-S-1 HCID = gas & diesel
only ran 418.1 = 1600ppm

#HA-1-S-1 HCID = G&D
only ran 418.1 = 370 ppm

2. Only 1 confirmatory soil sample collected at an unknown depth. TPH = 46 ppm What method is TPH?

Oregon

DEPARTMENT OF TRANSPORTATION

Highway Division
Region 1

FILE CODE:

Dept. of Environmental Quality
RECEIVED
JUN 25 1991
NORTHWEST REGION

June 24, 1991

Oregon Department of Environmental Quality
UST - Northwest Region
811 S. W. Sixth Avenue
Portland, OR 97204-1390

Dear Mr. Pollock:

In response to your letter of June 17, 1991 regarding the status of O.D.O.T. UST - cleanup sites, we have reviewed our files and listed our current status below.

Former Shell Station-Scholls Ferry
SW Corner of Beaverton Hillsdale Highway and Scholls Ferry Road
Portland
File No. 34-89-287

We are currently searching our files to review existing data and formulate an approach to receive closure from ODEQ.

Oregon State Highway -Edwards Manufacturing
8217 SE McLoughlin
Milwaukie
File No. 26-90-159

Site specific testing has been conducted at the former tank locations. Soil and ground water samples were taken and submitted for laboratory analysis. A report is currently being written to summarize our work.

Old Shell Station
8118 SE McLoughlin
Milwaukie
File No. 03-90-019

Additional testing has been conducted and samples are being tested for closure. A monitoring well was installed in the S. W. corner of the property

STATE OF OREGON 1859

9002 SE McLoughlin
Milwaukie, OR 97222
(503) 653-3090
FAX 653-3267

and samples taken for testing. The well is down gradient for the site and should indicate if contamination is present. A report is being prepared for this phase of work.

<u>State Right-of-Way</u>
SE Corner of SW Oak and 10th
Hillsboro
File No. 34-90-137

RZA has been contracted to oversee the groundwater contamination investigation and subsequent CAP for cleanup. Monitoring wells have been installed, test samples extracted and are currently being tested for characterization of the site.

<u>Battery Exchange - McLoughlin</u>
10665 SE McLoughlin
Milwaukie
File No. 03-91-045

Excavation was conducted at the waste oil location and samples taken. Results indicate heavy hydrocarbon contamination but no heavy metals, PCB's or solvents detected. Excavation will be conducted to remove all contaminated soils to closure levels. A report summarizing the work is currently being prepared.

<u>Davis Company of Oregon</u>
16795 SE Evelyn
Clackamas
File No. 03-90-274

RZA has been contracted to oversee the groundwater characterization and cleanup if necessary. A report and scope of work for this project is forthcoming.

<u>Highway 30-St. Helens</u>
Highway
30
St. Helens
File No. 05-91-082

Soil is currently being aerated at the maintenance facility in St. Helens. It will be turned periodically and samples taken and tested as necessary.

Kaady Carwash
7392 SW Barbur Boulevard
Portland
File No. 26-90-161

This property is not being purchased by O.D.O.T. under current plans.

ODOT - Tacoma
8107 SE McLoughlin
Milwaukie
File No. 26-91-094

An investigation to determine the extent of surface contamination is complete. Groundwater contamination was found at the site and is believed to originate from the tanks at Kasch's. The report will be submitted as soon as all the lab results are received.

ODOT - Water Avenue
1001 SE Water Avenue
Portland
File No. 26-91-078

The 200 yards of contaminated soil are being aerated on site. The soil will be sampled and the next quarterly report will be submitted in September, 1991.

hs:jp

hsdeq0624

Oregon

DEPARTMENT OF
ENVIRONMENTAL
QUALITY

June 17, 1991

MR HENRY SCHMID
OREGON DEPARTMENT OF TRANSPORTATION
9002 SE MCLOUGHLIN BOULEVARD
MILWAUKIE OREGON 97222

Re: UST-Northwest Region
Oregon Department of
Transportation UST
cleanups

Dear Mr. Schmid:

The Northwest Region of the DEQ is trying to update our files on underground storage tank cleanups that the Department of Transportation (DOT) has been involved with in your district. Listed below are the sites we are currently aware of and that have not been resolved. If you know of any sites not listed here, please let us know.

We have outlined below the current status of each site and our requirements for updates and additional information.

Please submit reports on the cleanups at the following two sites by July 1, 1991.

Former Shell Station-Scholls Ferry
SW Corner of Beaverton Hillsdale Highway and Scholls Ferry Road
Portland
File No. 34-89-287

Cleanup was conducted at this site during November, 1989. Lee Gunderson was the original DOT contact. The DEQ has never received a report on the cleanup.

Oregon State Highway-Edwards Manufacturing
8217 SE McLoughlin
Milwaukie
File No. 26-90-159

Contamination was reported at this site on May 1, 1990. Carl Toland was the original DOT contact. Apparently cleanup was conducted, however, the DEQ has not yet received a report on the work conducted.

811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696