

CE DB

* L U S T F O R M *

----- INCIDENT INFORMATION -----
LUST Incident Nbr: _____ LUST Log Nbr: 03-91-342 UST Facility ID: 6578
Date Received: 9/9/91 Received By: hgg Emergency Resp Taken: Y N
Tank Identification: File Name: Clockamas Community College
Street: 19600 S. Molalla Avenue
City: Oregon City Zip: 97045
County: Clackamas Phone: _____
Incident Comments: _____

4 Tanks Removed
(1 of them Htg Oil)
~~Waste~~ UST

----- CONTACT & MAIL TYPES -----
Reported By: Chad Walker LUST Contact: _____ Responsible Party: George Sims
Name: _____ Name: _____ Name: _____
Company: O'Sullivan Const Company: _____ Company: Clockamas Community College
Street: _____ Street: _____ Street: 19600 S. Molalla Ave
City: _____ City: _____ City: Oregon City Zip: 97045
State: _____ State: _____ State: OR Phone: 657-6958
Phone: 682-0275 Phone: _____

----- SITE ASSESSMENT -----
LUST Incident Nbr: (XXXXXXXXXXXXX) Waste oils - 1800 ppm ext 2385 2632
Date Investigated: _____ Investigated By: _____
Release Exists: (Y) N Confirmation Method: A) Staff B) Lab: DEQ C) Lab: RP D) Lab: Other E) RP F) Other
(Circle) (Circle)
Cleanup Necessary: (Y) N Regulated Tank: (Y) N Exposure Assessment: Y N
(Circle) (Circle) (Circle)
Off-Site Migration: Y (N) ? Estimated Gallons Released: _____ Priority: _____
(Circle)
Discovery Date: 9/6/91
How Discovered: A) Routine Monitoring B) Inventory Control C) Decommissioning D) Site Assessment
(Circle) E) Complaint F) Tank Test G) Other
Material Released: A) Unleaded Gasoline B) Leaded Gasoline C) Misc. Gasoline
(Circle) 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: A) Tank Leak B) Pipe Leak C) Overfill D) Surface Spill
(Circle) E) Pump/Valve Leak F) Other G) Unknown
Impacts: Soil (Y) N % ?
(Circle) 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: 9/6/91
Cleanup Activity: Start Date: _____ Under Control Date: _____
End Date: _____ Contractor Name: _____
Cleanup Guideline: Matrix C.A.P. Cleanup Lead: RP SLW/TF SLW/oTF
(Circle) (Circle)
Free Product Disposal: _____ Soil Disposal: _____
Est. Gallons: _____ Est. Cu/Yds: _____
Resp. Party: _____ Resp. Party: _____
Disposal Location: _____ Disposal Location: _____
Removal Date: _____ Removal Date: _____
Enforcement Action: Y N
(Circle)
Cost Recovery Initiated: Y N Source of Cost Recovery: _____ Pct. R.P.: _____
(Circle) Pct. SLW/TF: _____
Pct. SLW/oTF: _____
Estimations: Cost of Cleanup: _____ Staff Time On Project: _____
Site Management Comments: _____

WJover
1-14-02
*Site Closed
C.B.-2

NWR UST CLEANUP SITE CHECKLIST
(for regional use only)

This site is:

☐ <40 ppm Matrix

☒ Regulated Tank

☐ Exempt Tank

☐ Oil Heat Commission eligible

☐ Other

(surface spill, non-petroleum UST, etc.)

Assign site to:

☐ Staff (your initials or staff for major RP)

☒ Unassigned at this time
(matrix only, soil aeration ~~not~~ anticipated)

☐ Needs to be tracked (supervisor to assign)

Reason: *expect soil aeration*

☒ *Sent Perm. + Addendum 9/27/91*

Action:

☒ Send Initial Letter (with rules)

☐ Send Modified Letter (without rules)

☐ Send <40 ppm Letter (without rules)

☐ No letter required

(sending other letter, etc.)

Regulated Tank Information (Y/N):

☒ Tanks registered ID No. *6578*

☒ Decommissioning notice (30 day) received

☐ 3 day notice received

☐ Fees current

☐ New tanks to be installed

Misc. Notes:

FILE NAME: Chickamauga Community College LOG NO. 03-91-0342

NWR'S NFA TRACKING CHECKLIST

ROUTE TO	ACTIVITY	RESPONSIBLE PERSON	DATE COMPLETED
RHR	Sequent checked by project manager to make sure fees paid and tanks closed and that UST compliance issues have been resolved.	RHR	1-9-02
RHR	OTIS updated with soil disposal, public notice, and other applicable information by project manager.	RHR	1-11-02
AUP	Draft NFA prepared by Project Manager (PM) and submitted to NRS-4 Hydro or Manager for review	RHR	1/11/02
✓	Draft NFA approved by NRS-4 Hydro (or Manager, if necessary) and submitted for data entry	AW	1/11/02
TB	SEQUENT updated with final invoice request date and new green sheet information.	Turn	1-14-02
—	OPTIONAL STEP: Expedited payment request by responsible party (RP) is handled by =====>>		
—	OPTIONAL STEP: Estimated Expedited Payment Amount given to RP by =====>>		
TB	To Administrative staff for cost recovery entries	Turn	1-14-02
..	Final invoice paid notice received from Business Office and PM informed by Manager	AUP	3/14/02
	Final NFA drafted and signed by PM (and Manager, if necessary), and sent for data entry		
	SEQUENT updated with filed closed information.	WB	6-13
	Proofreading letter and file closure activities	Turn	1-14-02
	Copies made and mailed	WB	6-13

NFA PROCESS COMPLETE

INCIDENT INFORMATION

LUST Incident Nbr: _____ LUST Log Nbr: 03-90-510 UST Facility ID: _____
 Date Received: _____ Received By: _____ Emergency Resp Taken: Y N
 Tank Identification: File Name: Clarkamas Community College
 Street: 19600 South Molalla Avenue
 City: Oregon City Zip: 97045
 County: Clarkamas Phone: 657-8400

Incident Comments: _____

CONTACT & MAIL TYPES

Reported By: Same as RP LUST Contact: _____ Responsible Party: Garret Patterson
 Name: _____ Name: _____ Company: Clarkamas Community College
 Company: _____ Street: 19600 South Molalla Avenue
 Street: _____ City: Oregon City Zip: 97045
 City: _____ Zip: _____ State: OR Phone: 657-8400
 State: _____ Phone: _____

SITE ASSESSMENT

LUST Incident Nbr: (XXXXXXXXXXXXX)
 Date Investigated: 2/13/91 Investigated By: BDC
 Release Exists: Y N Confirmation Method: A)Staff B)Lab:DEQ C)Lab:RP D)Lab:Other E)RP F)Other
 (Circle) (Circle)
 Cleanup Necessary: Y N Regulated Tank: Y N Exposure Assessment: Y N
 (Circle) (Circle) (Circle)
 Off-Site Migration: Y N ? Estimated Gallons Released: _____ Priority: _____
 (Circle)
 Discovery Date: _____
 How Discovered: A)Routine Monitoring B)Inventory Control C)Decommissioning D)Site Assessment
 (Circle) E)Complaint F)Tank Test G)Other
 Material Released: A)Unleaded Gasoline B)Leaded Gasoline C)Misc. Gasoline
 (Circle) 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: A)Tank Leak B)Pipe Leak C)Overfill D)Surface Spill
 (Circle) E)Pump/Valve Leak F)Other G)Unknown
 Impacts: Soil Y N % ?
 (Circle) 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) Less than 100 PPM. No further
 Date Released Stopped: _____ Cleanup required.

Cleanup Activity: Start Date: _____ Under Control Date: _____
 End Date: _____ Contractor Name: _____
 Cleanup Guideline: Matrix C.A.P. Cleanup Lead: RP SLW/TF SLW/OTF
 (Circle) (Circle)
 Free Product Disposal: _____ Soil Disposal: _____
 Est. Gallons: _____ Est. Cu/Yds: _____
 Resp. Party: _____ Resp. Party: _____
 Disposal Location: _____ Disposal Location: _____
 Removal Date: _____ Removal Date: _____
 Enforcement Action: Y N
 (Circle)
 Cost Recovery Initiated: Y N Source of Cost Recovery: Pct. R.P.: _____
 (Circle) Pct. SLW/TF: _____
 Pct. SLW/OTF: _____

Estimations: Cost of Cleanup: _____ Staff Time On Project: 20 min.

Site Management Comments: Duplicate file see 03-91342

[Version 102]

* Administratively closed 11/1/93 *

Entered, AVR

COST RECOVERY AGREEMENT

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

Facility Name: Clackamas Community College

Address: 19600 So. Molalla Aveune

City, Zip: Oregon City, Oregon 97045

File/Log #: 03-91-342

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

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

DEQ project oversight costs will include direct costs and indirect costs. Direct costs include site-specific expenses and legal costs. Indirect costs are those general management and support costs of the DEQ and of the Environmental Cleanup Division (ECD) allocable to DEQ oversight of this agreement and not charged as direct personal services costs. Review and oversight costs shall not include any unreasonable costs or costs not otherwise recoverable by DEQ under ORS 465.255.

DEQ costs are payable within thirty (30) days of issuance of the monthly statement, by check made payable to the "Department of Environmental Quality."

If you elect not to enter into this agreement, it does not release you from any responsibility you might have from any reporting requirements, investigation and cleanup of petroleum (hazardous substances) at the above referenced facility. This does not preclude the DEQ from conducting audits or inspections of all or portions of the investigation and cleanup activities associated with this facility. Enforcement action may be initiated if violation of DEQ requirements is found.

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

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

This agreement is not and shall not be construed as an admission by you of any liability under ORS 465.255 or any other law or as a waiver by you of any defense such as liability. This agreement is not and shall not be construed as a waiver, release or settlement of claims DEQ may have.

The DEQ Regional Office will be responsible for the review and oversight of the investigation and cleanup activities associated with the property. Please refer all site specific inquiries to that office.

Inquiries regarding Cost Recovery should be directed to the Underground Storage Tank Cleanup Program at (503) 229-5527. Questions regarding invoicing should be directed to Tina Leppaluoto at (503) 229-5812.

If the terms of this agreement are acceptable, please have it executed by an authorized officer in the space provided below. In order to more effectively schedule your project, please return this agreement within thirty (30) days of receipt to: UST Duty Officer, Department of Environmental Quality, Northwest Region Office, 2020 SW Fourth Avenue, Portland Oregon 97201.

Accepted and agreed to this 17th day of February, 1997

By: James R. Painter
(signature)

Title: Associate Dean H.R. & Risk Management

Please provide the following information on where the invoices should be sent.

Individual Name: George W. Sims Title: Risk Control Specialist

Company: Clackamas Community College

Mail Address: 19600 So. Molalla Aveune

City, State, Zip: Oregon City, Oregon 97045

Phone Number: (503) 657-6958 ext. 2632

DEPT OF ENVIRONMENTAL QUALITY
RECEIVED

FEB 19 1997

NORTHWEST REGION



Oregon

John A. Kitzhaber, M.D., Governor

Department of Environmental Quality

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

June 14, 2002

GEORGE W SIMS
CLACKAMAS COMMUNITY COLLEGE
19600 SOUTH MOLALLA AVENUE
OREGON CITY OREGON 97045

Re: Clackamas Community College
File No. 03-91-0342

Dear Mr. Sims:

The Department of Environmental Quality has completed our review of information submitted to-date regarding the underground storage tank (UST) decommissioning and cleanup projects completed at your facility located at 19600 S. Molalla Avenue in Oregon City, Oregon. The Department has determined that the cleanups appear to have met the requirements of Oregon Administrative Rules (OAR) 340-122-205 through 340-122-360 and that no further action is required at this time.

Based on this information the Department understands the UST decommissionings occurred during three separate projects and will be discussed individually as follows;

1989 Diesel Tank Removal

1. In December 1989 a 500-gallon diesel UST was decommissioned by removal and transported to Schnitzer Steel Products in Portland, Oregon for recycling. Approximately 55-gallons of tank contents and rinsate were transported to Fuel Processors, Inc. for reclamation.
2. A soil sample collected from beneath the UST was tested for the presence of Total Petroleum Hydrocarbons (diesel) by method 418.1. The highest concentration detected as 45 parts per million (ppm), which was below cleanup level established for UST sites at that time and no cleanup was required.

1991 Multiple Tank Removal

1. In September 1991, a 550-gallon waste oil, two 3,000-gallon gasoline, and a 10,000-gallon heating oil UST were decommissioned by removal. The USTs were transported to Mt. Hood Metals, Inc. of Portland, Oregon for recycling. Approximately 600-gallon of combined tank contents and rinsate was reclaimed at Fuel Processors, Inc.



2. Gasoline and waste oil contamination were discovered in the waste oil excavation.
3. Approximately 150 cubic yards of petroleum contaminated soil was removed from the excavation and transported to Oregon Hydrocarbon, Inc. for thermal deposition. Polyvinyl chlorinated biphenyls (PCBs) were not detected above method reporting limits of 0.05 ppm.
4. Confirmatory soil samples were collected from the excavation. After over-excavation, other than gasoline detected at 1 ppm, no other contaminants remained.

1996 Waste Oil Tank Removal

1. In October 1996, a 275-gallon waste oil UST was decommissioned by removal. The tank was transported to R. S. Recycling located in Clackamas, Oregon for recycling. Approximately 110 gallons of tank contents and rinsate was transported to Spencer Environmental for reclaim.
2. Gasoline and diesel were detected from beneath the UST in concentrations of 17 ppm and 35,000 ppm, respectively. Barium at 0.43 ppm, lead at 0.40, ethylbenzene at 9.7 ppm, toluene at 47 ppm and total xylene at 55 ppm were also detected in the impacted soils.
3. Approximately 7 tons of petroleum contaminated soil was removed from the excavation and transported to Hillsboro Landfill in Hillsboro, Oregon for disposal.
4. After over-excavation, confirmatory samples detected diesel at 5.2 ppm by test method TPH-418.1, which is below the Soil Matrix cleanup Level of 100 ppm established for the site. No other petroleum constituents were detected in the excavation prior to backfill.

No groundwater was encountered during the completion of the UST decommissioning projects.

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 your report. We recommend that a copy of all information be maintained with the permanent facility records.

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.

George W. Sims
June 14, 2002
Page 3

Your efforts to comply with the regulations to ensure that your facility has been adequately cleaned up are appreciated. Should you have any questions, please feel free to contact me at 503-229-6242.

Sincerely,

A handwritten signature in black ink, appearing to read "Herrington Rose". The signature is fluid and cursive, with the first name being more prominent.

Herrington Rose
UST Cleanup Specialist
Northwest Region

Cc: Spencer Environmental
914 South Molalla Avenue
Oregon City, Oregon 97045



Oregon

John A. Kitzhaber, M.D., Governor

Department of Environmental Quality

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

December 14, 2001

GEORGE SIMS
CLACKAMAS COMMUNITY COLLEGE
19600 SOUTH MOLALLA AVENUE
OREGON CITY OREGON 97045-7998

Re: Clackamas Community College
File No. 03-91-0342

Dear Mr. Sims:

This letter is to notify you that I have been assigned project oversight duties in regards to an underground storage tank release that occurred at your facility located at 19600 South Molalla Avenue in Oregon City, Oregon. I anticipate review of the information provided to date within the next 60 days. Please ensure that all current information regarding the release has been submitted to the Department.

Should you have any questions please call me at (503) 229-6242. I looked forward to working with on this project.

Respectfully,

Herrington Rose
UST Cleanup Specialist



**Underground Storage Tank
Final Decommissioning Report and Matrix Investigation Report**

Release Log # 03-91-342

Prepared for:

Clackamas Community College
19600 South Molalla Avenue
Oregon City, Oregon 97045

Prepared by:

Spencer Environmental
914 South Molalla Avenue
Oregon City, Oregon 97045

January 1997

DEPT OF ENVIRONMENTAL QUALITY
RECEIVED

JAN 23 1997

NORTHWEST REGION

Table of Contents

1.0	<i>Introduction</i>	1
1.1	<u>Site Description</u>	1
2.0	<i>UST Decommissioning and Removal</i>	1
2.1	<u>Initial Soil Sampling</u>	2
2.2	<u>Notification</u>	4
2.3	<u>Confirmation Sampling</u>	4
3.0	<i>Soil Matrix Evaluation and No Action Alternative</i>	5
4.0	<i>Management of Used Automotive Oil</i>	5
5.0	<i>Petroleum Contaminated Soil Management and Site Restoration</i>	5
5.1	<u>Site Restoration</u>	5
6.0	<i>Quality Assurance and Quality Control</i>	5
7.0	<i>Conclusions and Recommendations</i>	6
8.0	<i>Closing Statements and Signatures</i>	7
Appendix A	Campus Map & Site Location	
Appendix B	Site Diagram	
Appendix C	DEQ Matrix Evaluation and Standard Site Reports	
Appendix D	Analytical Data	
Appendix E	PCS Disposal Receipt	
Appendix F	Tank Disposal Receipt	

1.0 Introduction:

Spencer Environmental was retained by Clackamas Community College (CCC) to permanently decommission and supervise removal of one 275 gallon underground storage tank (UST) used for storing waste automotive oil. The subject site is located at 19600 South Molalla Avenue in Oregon City, Oregon. During an initial conversation with CCC, Spencer Environmental learned that the UST was not registered with the Department of Environmental Quality (DEQ); therefore, prior to commencing work, Spencer Environmental sent the necessary paperwork to CCC for completion and submission to DEQ. Along with the registration information, CCC also submitted an Underground Storage Tank Decommissioning/Change of Service 30 Day Notice to DEQ. Prior to beginning decommissioning activities, CCC submitted the required seventy-two hour notification to DEQ.

1.1 Site Description

The subject UST was located east of Inskeep Drive at the north end of campus, near the Environmental Learning Center Building. The area in the immediate vicinity of where the UST was located consists of a dirt lot which is bordered to the east by Inskeep Drive, to the west and south by asphalt and storage buildings, and to the north by a parking lot. The dirt lot was the former location of a building used as a public recycling center. The building was demolished and removed by an independent contractor approximately one month prior to the UST decommissioning activities.

2.0 UST Decommissioning and Removal:

On October 21, 1996, Spencer Environmental met a representative from Larry Skou Excavating on site to begin decommissioning activities. Larry Skou was contracted by CCC to operate the heavy equipment (backhoe) needed to complete removal of the tank.

Upon arrival, a portion of the tank (top) was visible, as was the pipe used for draining product into the tank. The vent pipe had already been removed, and was lying next to the location of the tank. A layer of asphalt, approximately two inches thick, was partially covering the top of the tank. Below the asphalt, approximately eight inches of soil covered the tank. Adjacent to the UST were two 55 gallon drums, both partially full of oil; a small amount of oil was observed to be pooled on the tops of the drums. Next to the drums was a five gallon plastic bucket, containing spent oil absorbent pads. One of the drums appeared to have been used to drain oil into the UST - a pipe extending from near the bottom of this drum was angled downward at a ninety degree angle.

The soil and asphalt on top of the tank appeared to be contaminated with hydrocarbons, most likely spilled during transfer of oil into the UST, and / or during building demolition activities. The source of the contamination did not appear to be from the tank itself, therefore, the small amount of contamination was not immediately reported to DEQ. Before beginning soil removal, plastic was laid down for the placement of impacted soil and asphalt. Separation of the contaminated soil from the clean soil proved to be impractical and inefficient, therefore, the entire volume of removed overburden soil (6.92 tons) was placed onto the plastic as a precautionary measure.

Before removing the tank, the internal atmosphere was monitored using a Gastech combustible gas analyzer to ensure safe removal conditions. The tank was then removed, placed onto 6 millimeter visqueen plastic, blocked from movement using chocks, and cleaned for inspection; the exterior of the tank was in excellent condition. After the exterior of the tank was cleaned and inspected, the internal atmosphere was again monitored to ensure safe conditions for cutting (below 10% of the lower explosive limit). The tank was then cut open with a reciprocating saw and triple rinsed using a pressure washer. The residual waste oil and rinse water from the tank were vacuumed onto a truck and transferred to two 55 gallon steel drums, supplied by Spencer Environmental. Also vacuumed onto the truck and drummed was the oil remaining in the two preexisting drums which were located next to the location of the tank. The drums were securely lidded, labeled, and left on site pending characterization based on analytical results (sample 1021CCC-4).

After interior cleaning, an inspection was completed; no breaches or other evidence were found to indicate questionable integrity of the tank. The tank and associated piping were taken to R.S. Davis Recycling, located in Clackamas, Oregon, for recovery of the steel materials. Following completion of site activities, the open excavation was covered with visqueen plastic and plywood to mitigate the potential for surface water infiltration. The removed overburden soil was also covered with plastic. The entire area was then secured with temporary fencing and caution tape.

2.1 Initial Soil Sampling

The final excavation measured 8 feet in overall length, 4 feet in width, with a depth of 5 feet below surface level. Two samples were collected from beneath the former location of each end of the tank, within the first foot of native soil. Sample 1021CCC-1 was collected from the north end of the excavation, approximately 5" beneath the former location of the tank. Sample 1021CCC-2 was collected from the south end of the excavation, approximately 6" beneath the former location of the tank. Samples 1021CCC-1 and 1021CCC-2 had no detectable concentrations of hydrocarbons when analyzed by OAR method TPH-HCID.

A third sample was collected from the most heavily contaminated area of the stockpiled soil. This sample, identified as 1021CCC-3, was analyzed by method OAR TPH-HCID and method EPA 1311/6010, commonly known as Toxicity Characteristic Leachate Procedure for Cadmium, Chromium, and Lead. An additional sample, taken from the same location as 1021CCC-3 and identified as 1108CCC-SS, was collected from the same location for analysis by method EPA 8260. This second sample was taken because the first sample (1021CCC-3) exceeded the appropriate holding period for extraction and analysis by method EPA 8260.

Analysis of samples 1021CCC-3, and 1108CCC-SS (taken from the same location, as explained above) revealed no detectable levels when analyzed by methods EPA 1311/6010, and EPA 8260. However, sample 1021CCC-3, showed diesel, gasoline, and heavier oil range hydrocarbons to be present when analyzed by method OAR TPH-HCID. In order to properly quantify all of the hydrocarbons present, additional analyses were performed on the sample. Specifically, the additional requested methods were TPH-G, and 418.1M. Analysis by method OAR TPH-G showed 17 mg/Kg of gasoline range hydrocarbons to be present. When analyzed by method OAR TPH-418.1M, a concentration of 35,000 mg/Kg of heavier oil range hydrocarbon contaminants were identified. A summary of the information associated with the samples is presented in Table I.

Table I: Analytical Data and Sample Identification

SAMPLE ID	ANALYSIS METHOD	ANALYTICAL RESULTS	DATE TAKEN
1021CCC-1	OAR TPH-HCID	None Detected	10/21/96
1021CCC-2	OAR TPH-HCID	None Detected	10/21/96
1021CCC-3	EPA 1311/6010 OAR TPH-HCID OAR TPH-G OAR TPH-418.1M	None Detected Diesel, Heavy oil, Gasoline 17 mg/Kg 35,000 mg/Kg	10/21/96
1108CCC-SS	EPA 8260	None Detected	11/08/96

- all samples analyzed at National Environmental Testing Laboratory in Portland, Oregon.

2.2 Notification

Upon receipt of the analytical results, Spencer Environmental contacted Mr. James Maresh, UST Duty Officer at the Department of Environmental Quality, to ask for clarification regarding the contaminated removed overburden soil. The contamination present in the removed overburden soil appeared to be caused from small spills during above ground transfer (pouring) of oil into the tank, and not from the tank system. The contamination was also limited to the soils on top of the tank. The excellent condition of the tank, along with observations made during the day of removal and sample results from beneath the former location of the tank all suggested the tank had not leaked. Therefore, Mr. Maresh was requested to determine whether the remedial activities should be conducted in accordance with the accidental spill or the underground storage tank rules and regulations. Mr. Maresh determined that the contamination in the removed overburden soil triggered the reporting and remedial action requirements under the guidance of the UST rules. Accordingly, Mr. Maresh then assigned log # 03-91-342 to the release.

Spencer Environmental then requested, and was granted, permission from Mr. Maresh to extract a single confirmation sample from beneath the former location of the UST to confirm, by method OAR TPH-418.1M, that the contaminants identified in the removed overburden soil were not present in the excavation.

2.3 Confirmation Sampling

Spencer Environmental returned to the site on November 08, 1996 to collect one confirmation sample from the bottom of the excavation. The sample, identified as 1108CCC-MB, was taken from soil between the locations where the two original samples (1021CCC-1, and 1021CCC-2) had been collected. This sample was extracted from undisturbed native soil, at a depth of approximately 4" below the former location of the UST. Analyses performed on this sample included method EPA 1311/6010, EPA method 8260, method OAR TPH-G, and method OAR 418.1M. From all of these analytical methods, only 5.2 mg/Kg of hydrocarbon contaminants were identified. A summary of the information associated with the samples is presented in Table II.

Table II: Analytical Data and Sample Identification (Confirmation)

SAMPLE ID	ANALYSIS METHOD	ANALYTICAL RESULTS	DATE TAKEN
1108CCC-MB	EPA 1311/6010 EPA 8260 OAR TPH-G OAR TPH-418.1M	None Detected None Detected None Detected 5.2 mg/Kg	11/08/96

- all samples analyzed at National Environmental Testing Laboratory in Portland, Oregon.

3.0 *Soil Matrix Evaluation and No Action Alternative:*

Although the level of diesel and heavy oil range hydrocarbons present in the confirmation sample (5.2 mg/Kg) were well below the Matrix Level I numeric soil cleanup standards, a Matrix Score evaluation was still completed for the site. A copy of the Matrix Score Sheet and Matrix Checklist are attached for reference. The matrix score for this site (42; Level I criteria) was derived using the more conservative value for each scoring variable when reliable, site specific information was not readily available.

4.0 *Management of Used Automotive Oil:*

During decommissioning activities, two 55 gallon drums of oil and water were generated. The majority of the material was generated during interior tank cleaning activities. The rest of the material was from the two preexisting drums next to the tank. After analytical results showed the material to be non-hazardous, the drums were transported to Spencer Environmental's Portland facility for proper processing.

5.0 *Petroleum Contaminated Soil Management and Site Restoration:*

On December 04, 1996, Larry Skou Excavating was contracted directly by CCC to load and transport all 6.92 tons of PCS to Hillsboro Landfill. This stockpiled soil was removed from the top of the UST during decommissioning activities.

5.1 Site Restoration

When analytical results from the confirmation sample were known, Spencer Environmental again contacted Mr. James Maresh of the Department of Environmental Quality. After discussing the analytical results of confirmation sampling, Mr. Maresh granted permission to backfill the excavation. Spencer Environmental then contacted Mr. Kirk Pearson, of Clackamas Community College, to inform him that permission had been granted to backfill. Personnel from Clackamas Community College backfilled the excavation with approximately 10 cubic yards of 3/4 minus grade crushed rock.

6.0 *Quality Assurance and Quality Control*

All of the samples were collected in accordance with practices specified in EPA SW846, and were transferred at approximately 4⁰ C to an independent analytical laboratory with the appropriate *Chain of Custody* forms. All sample analyses were performed at National Environmental Testing Laboratory, located at 17400 SW Upper Boones Ferry Road, Portland, Oregon 97045.

Accompanying each analytical report is the laboratory's Quality Assurance and Quality Control reports. No data flags or other evidence of invalid or questionable data were reported or observed during the sample collection, transportation, or analysis activities. Therefore, no reason exists to believe that these samples do not represent subsurface soil conditions at the subject site.

7.0 *Summary, Conclusions and Recommendations:*

Spencer Environmental has completed the activities related to the decommissioning of one 275 gallon waste oil tank for Clackamas Community College, located at 19600 South Molalla Avenue, in Oregon City, Oregon. During removal activities, approximately 5 cubic yards of contaminated soil were removed from the top of the UST. The contaminants appeared to have originated from the activities associated with the above ground transfer of oils into the tank. The excellent condition of the tank, along with observations made during the day of removal, and sample results from beneath the former location of the tank, all suggest the tank system had not leaked. The contamination was limited to the soils on top of the tank.

Initial soil samples collected from beneath the former location of the UST revealed no detectable concentrations of hydrocarbons when analyzed using method TPH-HCID. Spencer Environmental was granted permission from Mr. Maresh to extract one single confirmation sample from beneath the former location of the tank. The confirmation sample, extracted from a location between where the two initial samples had been collected, was analyzed using methods EPA 1311/6010, EPA 8260, OAR TPH-G, and OAR TPH-418.1 to identify any contaminants commonly associated with waste oil. From these analyses, only 5.2 mg/Kg of hydrocarbon contaminants were identified. The concentrations of these contaminants, therefore, were well below the appropriate Matrix Level I cleanup criteria for the site.

When analytical results from confirmation sampling were known, Spencer Environmental contacted Mr. Maresh, of the DEQ, to share with him the analytical results, and to request permission to backfill the excavation. Permission to close the excavation was requested from, and granted by, Mr. Maresh on November 18, 1996. Personnel from Clackamas Community College backfilled the excavation using 3/4 minus crushed grade rock.

Clackamas Community College arranged for Larry Skou Excavating, an independent contractor, to load and transport the entire volume of PCS for disposal. On December 04, 1996, all 6.92 of PCS were hauled to Hillsboro Landfill for proper disposal. Hillsboro Landfill is located at 3205 SE Minter Bridge Road, in Hillsboro Oregon 97123.

During decommissioning activities, two 55 gallon drums of oil and water were generated. The majority of the material was generated during interior tank cleaning activities. The rest of the material was from the two preexisting drums next to the tank. After analytical results showed the material to be non-hazardous, the drums were transported to Spencer Environmental's Portland facility for proper processing.

Based upon the evidence gathered from the site, and from the analytical data, no soil exhibiting evidence of contamination in excess of the cleanup criteria remains at the site. It is the professional opinion of Spencer Environmental that the minimal contaminants (5.2 mg/Kg) remaining in the soil presents no significant threat to human health or environmental safety. Spencer Environmental, therefore, recommends no further actions, and on behalf of Clackamas Community College, hereby requests the Department of Environmental Quality to issue a NFA letter for this site.

8.0 Closing Statements and Signatures:

Spencer Environmental has completed this project in accordance with standard industry practices and applicable rules and regulations. No express or implied warranties regarding the past, present, or future environmental conditions of this site are presented herein. Included with this report are copies of all laboratory reports, disposal receipts, and other related documentation. Any questions regarding this project may be directed to Spencer Environmental at 914 South Molalla Avenue, Oregon City, Oregon 97045.

Prepared by:

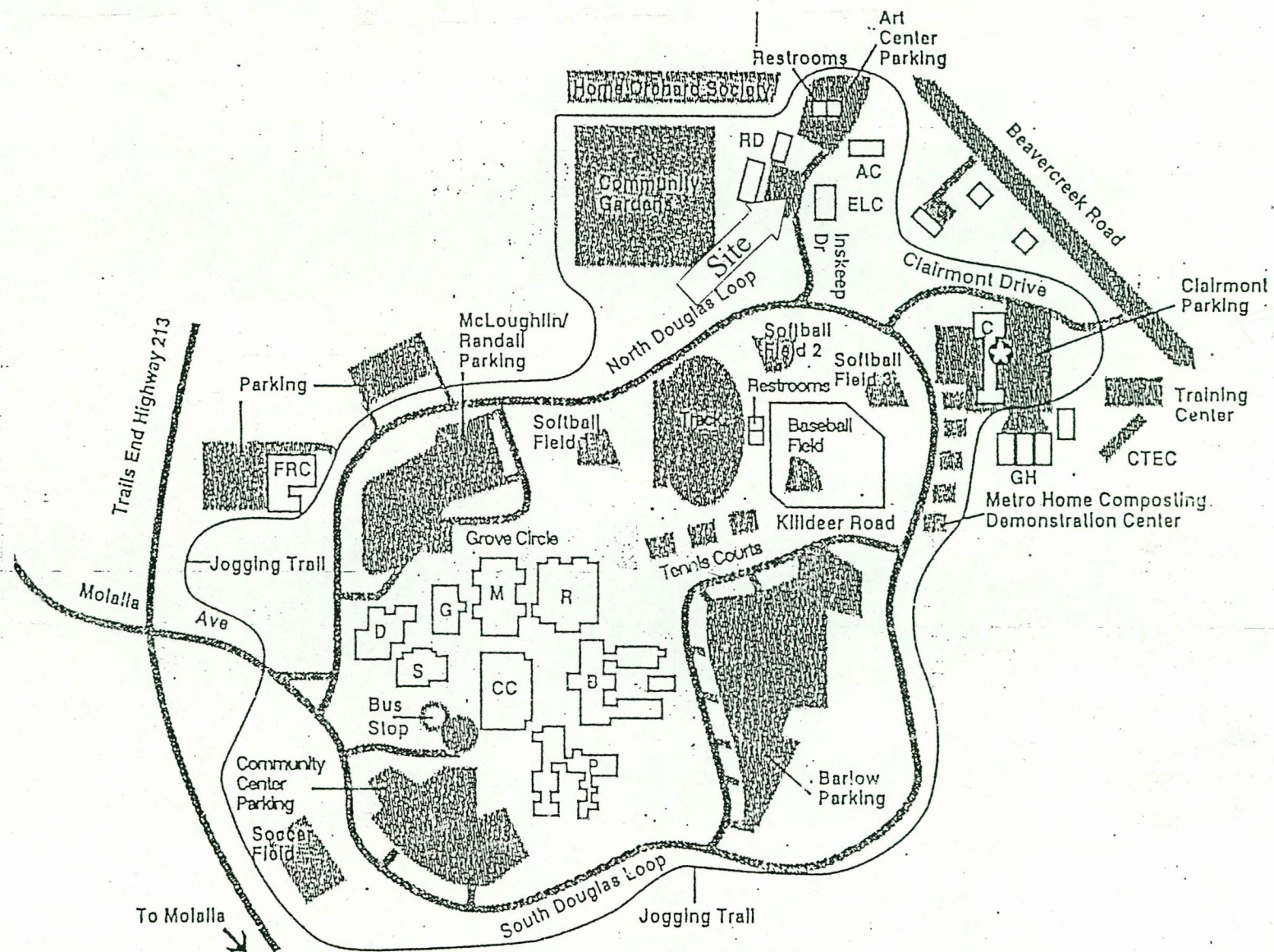


Kip Harris

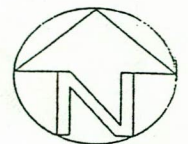
Soil Matrix Supervisor #14920

Decommissioning Supervisor #14919

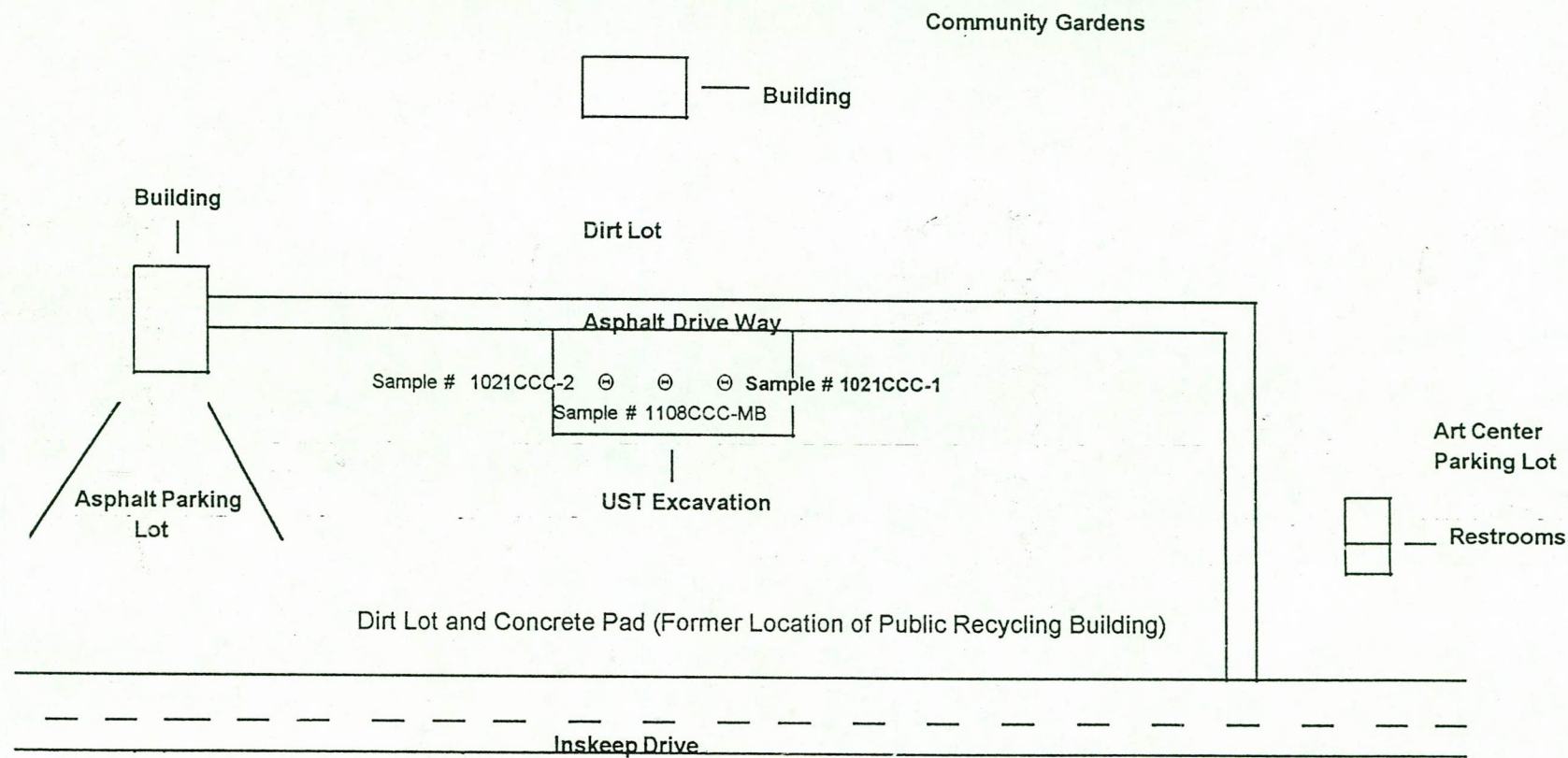
Appendix A



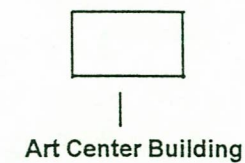
Clackamas Community College : Campus Map and Site Location



Appendix B



*Diagram not drawn to scale



Clackamas Community College Site Diagram



Appendix C

Spencer Environmental

914 South Molalla Avenue, Oregon City, Oregon 97045 (503) 655-0896 Fax (503) 657-3395

Matrix Score Sheet

CLIENT: *Clackamas Community College*
DATE COMPLETED: *November, 1996*

SITE ADDRESS: *19600 S. Molalla Avenue*
Oregon City, Oregon 97045

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

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

MATRIX CHECKLIST

Section 2

- ☒ 1. The release of petroleum has been reported to the DEQ (220).
- ☒ 2. The Matrix Score Sheet has been completed for this site, unless the site is cleaned up to the most stringent cleanup level (320).
- ☒ 3. The required hydrocarbon identification test (TPH-HCID) has been performed (335(3)), and, if detectable levels were found, the appropriate analytical method or methods have been used to measure the levels of contamination (350).
- ☒ 4. A sketch has been made of this site (345(1)) which clearly shows:
 - ☒ a. The location of all buildings and other key features, both man-made and natural;
 - ☒ b. The names of adjacent streets and properties;
 - ☒ c. The location of all excavations including those that were for the removal of tanks and associated piping as well as those that were strictly for the removal of contaminated soils;
 - ☒ d. The location of all product storage tanks, lines and dispensers, including those that were decommissioned as well as those that remain on the site; and
 - ☒ e. All soil and water sample locations.
- ☒ 5. If any contaminated soil exceeding matrix limits has been left on site, the reason for leaving this soil has been explained and the requirements of 355(4) have been met.
- ☒ 6. If water was present in the tank pit, the Department was notified, the water was pumped from the pit, and the requirements of 340(4) have been met.
- ☒ 7. All soil and/or water samples have been collected, coded, stored and shipped as specified in the rules, and proper chain-of-custody forms have been filled out (345).
- ☒ 8. If a release from a waste oil tank was discovered, at least one sample has been analyzed by the methods specified in 350(5).
- ☒ 9. If a tank was decommissioned in place, the Department gave prior approval for a site-specific sampling plan (340(5)).
- ☒ 10. A report has been prepared which includes a detailed description of everything that was observed and performed at the site, contains all of the information required by the rules (360), and presents findings and recommendations which are consistent with Departmental regulations.

INITIAL (TWENTY DAY) REPORT FORM FOR UST CLEANUP PROJECTS

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

DEQ File No.: 91 -342 -

DEQ Facility Id. No.: 6578

Site Name: Clackamas Community College

Site Address: 19600 South Molalla Avenue

Oregon City, Oregon 97045

INITIAL CLEANUP INFORMATION

Type of contamination (check all that apply):

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

☒ Y ☐ N Do you believe that this cleanup project can be conducted under the requirements for an UST Cleanup Matrix site?

Y ☒ N Did groundwater enter the excavation? If yes, please identify the depth to groundwater in feet below ground surface _____

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

Y ☒ N Was a sheen or odor observed on any water in the excavation?

Y ☒ N Did groundwater recharge within 24 hours after pumping the accumulated water from the excavation? Please describe the disposal option selected for the excavation water: _____

Y ☒ N Are/were there any vapors present in building or utility corridors? If yes, are you continuing to monitor and mitigate any additional fire and safety hazards posed by vapors and free product? Explain: _____

04/16/86 09:46 2500000000

SOIL MANAGEMENT

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

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

If contaminated soil is currently stockpiled onsite, please indicate when disposal will occur or when treatment will begin: November, 1996

Note: Contaminated soil cannot be stockpiled onsite for more than thirty (30) days without applying for a Special Letter of Authorization

Estimated volume of contaminated soil (tons or cubic yards): Approximately 7 cubic yards

Intended disposition of soils (please check one):

☐ Onsite treatment, Solid Waste Letter Authorization Permit Application attached.

☐ Offsite treatment, Solid Waste Letter Authorization Permit Application attached.

Note: Offsite treatment is banned within the Portland Metro boundaries (see enclosed fact sheet).

☐ Thermal treatment offsite at an authorized facility.

Facility name: _____

☐ Thermal treatment onsite with a mobil treatment unit, permit required from DEQ.

Company name: _____

☒ Landfill disposal. Name of Landfill: Hillsboro Landfill

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

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

THIS REPORT WAS PREPARED BY:

Individual: Kip Harris Phone: (503) 655-0896
Company: Spencer Environmental
Address: 914 S. Molalla Avenue, Oregon City, Oregon 97045

Please return this form to: DEQ - NORTHWEST REGION
UST Section
2020 SW Fourth Avenue, Suite 400
Portland, Oregon 97201

If you have questions, call (503) 229-5489 and ask for the underground storage tank (UST) Duty Officer.

REMINDER: Submit UST Decommissioning/Change-in-Service Report forms and UST Decommissioning Checklists DIRECTLY to:

DEQ - UST Compliance Program Phone (503) 229-5759
811 SW 6th
Portland, OR 97204

Failure to do so can result in delays to your project and may result in continued billing for the tank permit fees.

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

- 1) Soil aeration, bioremediation (onsite or offsite) or onsite thermal treatment.
- 2) Water discharges to a stream/storm drain from the excavation or treatment tank.

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

Note: If there will be emissions from pollution control equipment (e.g. air strippers, vapor extraction systems, etc.), notify the DEQ by phone before installation. Have actual or estimated emissions calculated before calling.

KEEP A COPY OF THIS REPORT FOR YOUR FACILITY RECORDS

Oregon Department of Environmental Quality
UNDERGROUND STORAGE TANK DECOMMISSIONING CHECKLIST

DEQ FACILITY NUMBER: 6578

DATE: 11/07/96

FACILITY NAME: Clackamas Community College

FACILITY ADDRESS: 19600 South Molalla Avenue

Oregon City, Oregon 97045

PHONE: (503) 657-6958

A. SAFETY EQUIPMENT ON JOB SITE:

Fire Extinguisher: Type/Size: CO2 / 50lb.

Recharge Date: 02/05/96

Combustible Gas Detector: Model: GASTECK 1314

Calibration Date: 10/21/96

Oxygen Analyzer: Model: GASTECK 1314

Calibration Date: 10/21/96

B. DECOMMISSIONING: All Tanks: (Unk. = Unknown, N/A = Not Applicable)
 (Check Appropriate Box)

1. All electrical equipment grounded and explosion proof?
2. Safety equipment on job site?
3. Overhead electrical lines located?
4. Subsurface electrical lines off or disconnected?
5. Natural gas lines off or disconnected?
6. No open fires or smoking material in area?
7. Vehicle and pedestrian traffic controlled?
8. Excavation material area cleared?
9. Rainwater runoff directed to treatment area?
10. Drained and collected product from lines?
11. Removed product and residual from tank?
12. Cleaned tank?
13. Excavated to top of tank?
14. Removed tank fixtures? (pumps, leak detection equip.
15. Removed product, fill and vent lines?

Yes	No	Unk	N/A
X			
X			
X			
			X
			X
X			
X			
X			
			X
			X
X			
X			
X			
X			
X			

C. TANK ABANDONMENT IN-PLACE:

16. Sampling plan approved by DEQ?

Date: N/A DEQ Staff: N/A

			X
--	--	--	---

B. DECOMMISSIONING: All Tanks: (Unk. = Unknown, N/A = Not Applicable)
(Check Appropriate Box)

17. Contamination concerns fully resolved?

18. Fill Material? Type: _____

D. TANK REMOVAL:

19. Tank placement area cleared, chocks placed?

20. Purged or ventilated tank to prevent explosion?

Method used: N/A Meter reading: N/A

21. No chains or steel cables wrapped around tank for removal?

22. Tank removed, set on ground, blocked to prevent movement?

23. Tank set on truck and secured with strap(s)?

24. Tank labeled before leaving site?

E. SITE ASSESSMENT:

25. Site assessed for contamination? See OAR 340-122-340

26. Soil samples taken and analyzed?

27. Decommissioning/Change-in-Service report sent to DEQ? -submitted by
Clackamas Community College

28. Was contamination found? Date/Time: _____

29. Was contamination reported to DEQ? By: Kip Harris
Date/Time: 11/07/96 8:15AM DEQ Staff: Jim Maresh

30. Was hazardous waste determination made for tank contents (Liquids/sludges)?

31. Disposal location of tank(s) contents.

Name: Spencer Environmental Date: 11/18/96

Address: 6637 SE 100th Avenue

Portland, Oregon

Attach disposal receipt.

32. Disposal or recycling location of removed tank(s) and associated piping.

Name: R.S. Davis Recycling, Inc. Date: 10/21/96

Address: 10105 SE Mather Road

Clackamas, OR 97015

Attach disposal receipt.

33. If tank(s) are intended to be reused, identify new tank site.

Name: N/A Date: N/A

Address: N/A

Purpose of Reuse: N/A

Yes	No	Unk	N/A
X			

X			
			X
	X		
X			
X			
X			

X			
X			
X			
X			
X			
X			

F. WORK PERFORMED BY:

DEQ Service Provider's License #: 10093

Name: Spencer Environmental, Inc.

Telephone: (503) 655-0896

DEQ Decommissioning Supervisor's License #: 14919

Name: Kip Harris

Telephone: (503) 655-0896

E. CHECKLIST FILING:

1. Provide copy of checklist to the UST owner and operator.
2. Send completed checklist to the DEQ headquarters within 30 days after the excavation is backfilled.

NOTE: If contamination was found during decommissioning and reported to DEQ regional office, this report may be submitted with either the first interim cleanup report or the final cleanup report, whichever is first.

Send Completed Form to: Department of Environmental Quality
UST Program - Decommissioning Checklist
811 S.W. Sixth Ave.
Portland, Oregon 97204

I have personally reviewed this decommissioning checklist and find it to be true and complete.

Signature: [Signature] Date: 11/7/96
(Licensed Supervisor)

Signature: [Signature] Date: 12/20/96
(Owner or Operator)

For information: (503) 229-5559 or Toll Free in Oregon 1-800-452-4011

Oregon Department of Environmental Quality
UNDERGROUND STORAGE TANK DECOMMISSIONING/SERVICE CHANGE REPORT

DEQ FACILITY NUMBER: 6578

DATE: 11/07/96

FACILITY NAME: Clackamas Community College

FACILITY ADDRESS: 19600 South Molalla Avenue

Oregon City, Oregon 97045

PHONE: (503) 657-6958

The following information **MUST** be submitted by the underground storage tank owner, operator or licensed DEQ Supervisor within 30 days following completion of the tank decommissioning or changing tank contents to a non-regulated substance. (OAR 340-150-001 through -150)

The attached supplemental checklist should be prepared by the person performing the decommissioning. The checklist should be provided to DEQ and the tank owner to demonstrate that all required practices were followed.

Ordinarily the checklist is filled out by the DEQ licensed Service Provider or Supervisor. Owners who wish to personally decommission a tank must follow all DEQ and other applicable standards. The owner should contact the DEQ Regional Office prior to starting the decommissioning to receive current copies of underground storage tank regulations.

A. DATES:

*Note: Submitted by Clackamas
Community College

Decommissioning/Service Change Notice - Date Submitted: see note (30 days before work starts)

Work Start Telephone Notice - Date Submitted: see note (3 working days before work starts)

DEQ Person Notified: see note

Date Work Started: 10/21/96

Date Work Completed: 10/21/96

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

Date Contamination Reported: 11/07/96 By: Kip Harris

DEQ Person Notified: Jim Maresh

Backfill Telephone Notice - Date Called: 11/18/96 (before backfilling)

DEQ Person Notified: Jim Maresh

B. PERMITS:

Note: DEQ permits or an addendum to the UST permit(s) may be needed where soil or water cleanup is required.

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

Disposed to (Location): N/A

DEQ Solid Waste Disposal Permit #: N/A Date:

B. PERMITS (Continued)UST Soil Treatment Permit Addendum - Type: N/A Date: _____Soil Disposal or Treatment Location: N/A**C. TANK INFORMATION:**

Tank #	DEQ UST Permit	Tank Size in (Gallons)	Product: Gasoline, Diesel, Used Oil, Other?		Closure or Service Change?			Tank to be Replaced?	
			Present	New	Tank Removal	Closure [∞] Inplace	New [∞] Product	Yes*	No
1		275	Waste Oil	N/A	X				X

* Where decommissioned tank(s) are replaced by new underground storage tanks the UST owner or operator must submit a new permit application containing information on the new tanks 30 days before placing them in service.

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

D. DISPOSAL INFORMATION:

Tank #	Tank & Piping Disposal Method				Disposal Location of Tank Contents *	
	Scrap	Land-fill	Other	Identify Location & Property Owner	Liquids	Sludges
1	X			R.S. Davis Recycling, Inc. Clackamas, Oregon		
					** Tank contents were disposed at Spencer Environmental's Portland facility, located at 6637 SE 100th Avenue, Portland, Oregon	

* Note: The tank contents, the tank and the piping may be subject to the requirements of Hazardous Waste regulations. If you have questions, contact the DEQ Hazardous Waste Section at (503) 229-5913 or DEQ regional office hazardous waste staff.

G. WORK PERFORMED BY:

DEQ Service Provider's License #: 10093 Construction Contractors License #: 111118

Name: Spencer Environmental, Inc.

Telephone: (503) 655-0896

DEQ Decommissioning Supervisor's License #: 14919

Name: Kip Harris

Telephone: (503) 557-5186

DEQ Soil Matrix Service Provider's License #: 10092 (If applicable)

Name: Spencer Environmental

Telephone: (503) 655-0896

DEQ Soil Matrix Supervisor's License #: 14920 (If applicable)

Name: Kip Harris

Telephone: (503) 557-5186

H. ATTACHMENTS TO THIS REPORT:

1. Attach a copy of the laboratory report showing the results of all tests on all soil and water samples. The laboratory report must identify sample collection methods, sample location, sample depth, sample type (soil or water), type of sample container, sample temperature during transportation, types of tests, and copies of analytical laboratory reports, including QA/QL information. Include laboratory name, address and copies of chain-of-custody forms.
2. If contamination is detected and a Level 2 or Level 3 soil matrix cleanup standard is selected attach a copy of the soil matrix analysis for the site including methods of determining soil type, depth to groundwater, and sensitivity of uppermost aquifer.

I. REPORT FILING:

This report, signed by the tank owner or operator, complete with all applicable attachments must be filed with DEQ headquarters within 30 days after the excavation is backfilled or change-in-service is complete. Contact the DEQ regional office prior to filing this report where special circumstances exist at the site (such as water in pit, remaining pockets or contamination, etc.).

NOTE: If contamination was found during site assessment at decommissioning or change-in-service and reported to DEQ regional office, this report may be submitted with either the first interim cleanup report or the final cleanup report, whichever is first.

Return Completed Form to: Department of Environmental Quality
UST Program - Decommissioning Report
811 S.W. Sixth Ave.
Portland, Oregon 97204

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

Signature: *Jamar Pruitt*

(Owner or Operator)

Date: 12/20/96

For information: (503) 229-5733 or Toll Free in Oregon 1-800-452-4011

E. CONTAMINATION INFORMATION:

Tank #	Ground* water in pit?	Product odor in soil?	Product stains in soil?	Number of Samples	Laboratory (Name, City, State, Phone)
1	N/A	N/A	N/A	2	National Environmental Testing, Inc. Portland, Oregon (503) 624-5449

* Note: Sampling is required if groundwater is encountered. See cleanup rules.

F. SITE SKETCH:

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

** SEPARATE DIAGRAM ATTACHED IN FINAL REPORT

COST RECOVERY AGREEMENT

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

Facility Name: Clackamas Community College
Address: 19600 S. Molalla Avenue
City, Zip: Oregon City, Oregon 97045
File/Log #: 03-91-342

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

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

DEQ project oversight costs will include direct costs and indirect costs. Direct costs include site-specific expenses and legal costs. Indirect costs are those general management and support costs of the DEQ and of the Environmental Cleanup Division (ECD) allocable to DEQ oversight of this agreement and not charged as direct personal services costs. Review and oversight costs shall not include any unreasonable costs or costs not otherwise recoverable by DEQ under ORS 465.255.

DEQ costs are payable within thirty (30) days of issuance of the monthly statement, by check made payable to the "Department of Environmental Quality."

If you elect not to enter into this agreement, it does not release you from any responsibility you might have from any reporting requirements, investigation and cleanup of petroleum (hazardous substances) at the above referenced facility. This does not preclude the DEQ from conducting audits or inspections of all or portions of the investigation and cleanup activities associated with this facility. Enforcement action may be initiated if violation of DEQ requirements is found.

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

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

This agreement is not and shall not be construed as an admission by you of any liability under ORS 465.255 or any other law or as a waiver by you of any defense such as liability. This agreement is not and shall not be construed as a waiver, release or settlement of claims DEQ may have.

The DEQ Regional Office will be responsible for the review and oversight of the investigation and cleanup activities associated with the property. Please refer all site specific inquiries to that office.

All inquiries regarding cost recovery and/or invoices should be directed to the Waste Management and Cleanup Program at (503) 229-5812.

If the terms of this agreement are acceptable, please have it executed by an authorized officer in the space provided below. In order to more effectively schedule your project, please return this agreement within thirty (30) days of receipt to: UST Duty Officer, Department of Environmental Quality, Northwest Region Office, 2020 SW Fourth Avenue, Portland Oregon 97201.

Accepted and agreed to this 20 day of Dec, 19 96

By: Jamir R. Pantoja
Title: Associate DEQ H.R.

Please provide the following information on where the invoices should be sent.

Individual Name: Mr. Kirk Pearson Title: Director of Physical Plant

Company: Clackamas Community College

Mail Address: 19600 S. Molalla Avenue

City, State, Zip: Oregon City, Oregon 97045

Phone Number: (503) 657-6958, ext: 2398

Appendix D

American Environmental Network, Inc.

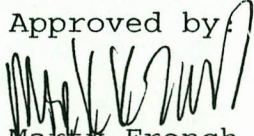
Mike Johnson
Spencer Environmental
PO Box 5207
914 S. Molalla Avenue
Oregon City, OR 97045

Date: 11/12/1996
AEN Account No.: 24400
AEN Job Number: 96.03329

Project: Clackamas Community College
Location: Clackamas Community College

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Sample Number	Sample Description	Matrix Type	Date Taken	Date Received
71222	1021CCC-1	SOIL	10/21/1996	10/22/1996
71223	1021CCC-2	SOIL	10/21/1996	10/22/1996
71224	1021CCC-3	SOIL	10/21/1996	10/22/1996
71225	1021CCC-4	SLUDGE	10/21/1996	10/22/1996

Approved by:

Marty French
AEN, INC.

ANALYTICAL REPORT

Mike Johnson
Spencer Environmental
PO Box 5207
914 S. Molalla Avenue
Oregon City, OR 97045

11/12/1996
Job No.: 96.03329

Page: 2

Project Name: Clackamas Community College
Date Received: 10/22/1996

Sample Number Sample Description
71222 1021CCC-1

<u>PARAMETERS</u>	<u>METHODS</u>	<u>RESULTS</u>	<u>REPORT LIMIT</u>	<u>UNITS</u>	<u>DATE ANALYZED</u>	<u>FLAG</u>
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		10/23/1996	
OAR TPH-HCID (S)						
Dilution Factor		1	-		10/23/1996	
Gasoline	OAR-HCID	ND	20	mg/Kg	10/23/1996	
Diesel	OAR-HCID	ND	50	mg/Kg	10/23/1996	
Heavy Oil	OAR-HCID	ND	100	mg/Kg	10/23/1996	

Sample Number Sample Description
71223 1021CCC-2

<u>PARAMETERS</u>	<u>METHODS</u>	<u>RESULTS</u>	<u>REPORT LIMIT</u>	<u>UNITS</u>	<u>DATE ANALYZED</u>	<u>FLAG</u>
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		10/23/1996	
OAR TPH-HCID (S)						
Dilution Factor		1	-		10/23/1996	
Gasoline	OAR-HCID	ND	20	mg/Kg	10/23/1996	
Diesel	OAR-HCID	ND	50	mg/Kg	10/23/1996	
Heavy Oil	OAR-HCID	ND	100	mg/Kg	10/23/1996	

Sample Number Sample Description
71224 1021CCC-3

<u>PARAMETERS</u>	<u>METHODS</u>	<u>RESULTS</u>	<u>REPORT LIMIT</u>	<u>UNITS</u>	<u>DATE ANALYZED</u>	<u>FLAG</u>
ICP/AA Digestion - Water	ICP	-			10/29/1996	
TCLP EXTRACTION PREP	1311	-			10/28/1996	
TCLP - Cadmium, ICP	6010	ND	0.05	mg/L	10/30/1996	
TCLP - Chromium, ICP	6010	ND	0.05	mg/L	10/30/1996	
TCLP - Lead, ICP	6010	ND	0.05	mg/L	10/30/1996	
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		10/29/1996	
OAR TPH-HCID (S)						
Dilution Factor		1	-		10/29/1996	
Gasoline	OAR-HCID	Gas	20	mg/Kg	10/29/1996	
Diesel	OAR-HCID	Diesel	50	mg/Kg	10/29/1996	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Mike Johnson
Spencer Environmental
PO Box 5207
914 S. Molalla Avenue
Oregon City, OR 97045

11/12/1996
Job No.: 96.03329

Page: 3

Project Name: Clackamas Community College
Date Received: 10/22/1996

Sample Number Sample Description
71224 1021CCC-3

<u>PARAMETERS</u>	<u>METHODS</u>	<u>RESULTS</u>	<u>REPORT LIMIT</u>	<u>UNITS</u>	<u>DATE ANALYZED</u>	<u>FLAG</u>
Heavy Oil	OAR-HCID	Oil	100	mg/Kg	10/29/1996	
TPH-G (S) PREP		-			11/07/1996	
OAR TPH-GAS (S)						
Dilution Factor		1	-		11/07/1996	
TPH-Gas	OAR-G	17	10	mg/Kg	11/07/1996	
OAR TPH-418.1M (S) PREP		-	-		11/07/1996	
OAR TPH-418.1M (S)	TPH-418.1M	35000	5	mg/Kg	11/07/1996	

Sample Number Sample Description
71225 1021CCC-4

<u>PARAMETERS</u>	<u>METHODS</u>	<u>RESULTS</u>	<u>REPORT LIMIT</u>	<u>UNITS</u>	<u>DATE ANALYZED</u>	<u>FLAG</u>
ICP/AA Digestion - Water	ICP	-			10/31/1996	
TCLP EXTRACTION PREP	1311	-			10/30/1996	
TCLP - Arsenic, ICP	6010	ND	0.05	mg/L	10/31/1996	
TCLP - Barium, ICP	6010	0.43	0.05	mg/L	10/31/1996	
TCLP - Cadmium, ICP	6010	ND	0.05	mg/L	10/31/1996	
TCLP - Chromium, ICP	6010	ND	0.05	mg/L	10/31/1996	
TCLP - Lead, ICP	6010	0.40	0.05	mg/L	10/31/1996	
TCLP - Mercury	7470	ND	0.0002	mg/L	11/01/1996	
TCLP - Selenium, ICP	6010	ND	0.05	mg/L	10/31/1996	
TCLP - Silver, ICP	6010	ND	0.05	mg/L	10/31/1996	
8240 VOLATILES (S)						
Acetone	8240	ND	40	mg/Kg	10/31/1996	
Benzene	8240	ND	10	mg/Kg	10/31/1996	
Bromodichloromethane	8240	ND	10	mg/Kg	10/31/1996	
Bromoform	8240	ND	10	mg/Kg	10/31/1996	
Bromomethane	8240	ND	10	mg/Kg	10/31/1996	
2-Butanone	8240	ND	40	mg/Kg	10/31/1996	
Carbon Disulfide	8240	ND	10	mg/Kg	10/31/1996	
Carbon Tetrachloride	8240	ND	10	mg/Kg	10/31/1996	
Chlorobenzene	8240	ND	10	mg/Kg	10/31/1996	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Mike Johnson
Spencer Environmental
PO Box 5207
914 S. Molalla Avenue
Oregon City, OR 97045

11/12/1996
Job No.: 96.03329

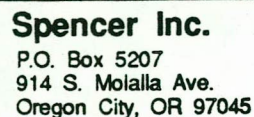
Page: 4

Project Name: Clackamas Community College
Date Received: 10/22/1996

Sample Number Sample Description
71225 1021CCC-4

<u>PARAMETERS</u>	<u>METHODS</u>	<u>RESULTS</u>	<u>REPORT LIMIT</u>	<u>UNITS</u>	<u>DATE ANALYZED</u>	<u>FLAG</u>
Chloroethane	8240	ND	10	mg/Kg	10/31/1996	
2-Chloroethylvinyl ether	8240	ND	40	mg/Kg	10/31/1996	
Chloroform	8240	ND	10	mg/Kg	10/31/1996	
Chloromethane	8240	ND	10	mg/Kg	10/31/1996	
Dibromochloromethane	8240	ND	10	mg/Kg	10/31/1996	
1,4-Dichlorobenzene	8240	ND	10	mg/kg	10/31/1996	
1,2-Dichlorobenzene	8240	ND	10	mg/Kg	10/31/1996	
1,3-Dichlorobenzene	8240	ND	10	mg/Kg	10/31/1996	
1,1-Dichloroethane	8240	ND	10	mg/Kg	10/31/1996	
1,2-Dichloroethane	8240	ND	10	mg/Kg	10/31/1996	
1,1-Dichloroethene	8240	ND	10	mg/Kg	10/31/1996	
cis-1,2-Dichloroethene	8240	ND	10	mg/Kg	10/31/1996	
trans-1,2-Dichloroethene	8240	ND	10	mg/Kg	10/31/1996	
1,2-Dichloropropane	8240	ND	10	mg/Kg	10/31/1996	
cis-1,3-Dichloropropene	8240	ND	10	mg/Kg	10/31/1996	
trans-1,3-Dichloropropene	8240	ND	10	mg/Kg	10/31/1996	
Ethylbenzene	8240	9.7	10	mg/Kg	10/31/1996	J
2-Hexanone	8240	ND	10	mg/Kg	10/31/1996	
Methylene Chloride	8240	ND	100	mg/Kg	10/31/1996	
4-Methyl-2-Pentanone	8240	ND	10	mg/Kg	10/31/1996	
Styrene	8240	ND	10	mg/Kg	10/31/1996	
1,1,2,2-Tetrachloroethane	8240	ND	10	mg/Kg	10/31/1996	
Tetrachloroethene	8240	ND	10	mg/Kg	10/31/1996	
Toluene	8240	47	10	mg/Kg	10/31/1996	
1,1,1-Trichloroethane	8240	ND	10	mg/Kg	10/31/1996	
1,1,2-Trichloroethane	8240	ND	10	mg/Kg	10/31/1996	
Trichloroethene	8240	ND	10	mg/Kg	10/31/1996	
Trichlorofluoromethane	8240	ND	10	mg/Kg	10/31/1996	
Vinyl Acetate	8240	ND	10	mg/Kg	10/31/1996	
Vinyl Chloride	8240	ND	20	mg/Kg	10/31/1996	
m,p-xylene	8240	39	10	mg/Kg	10/31/1996	
o-xylene	8240	16	10	mg/Kg	10/31/1996	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.



Phone (503) 655-0896
Fax (503) 657-3395

CHAIN OF CUSTODY RECORD

PROJECT NAME _____

LAB PROJECT NUMBER 96.03329

PROJECT NUMBER _____

P.O. NUMBER 1141

5 DAY TURN AROUND ☒ YES ☐ NO
RUSH ☐ YES ☒ NO

COMMENTS HOLD LAB #3; AND CALL
FOR ANALYSES FOR LAB #4; THANKS.

SAMPLES RECEIVED AT 4°C ☐ YES ☐ NO

SAMPLES IN APPROPRIATE CONTAINERS ☐ YES ☐ NO

PROVIDE VERBAL RESULTS	☐ YES	☒ NO
PROVIDE PRELIMINARY FAX RESULTS	☐ YES	☒ NO
PROVIDE FINAL FAX RESULTS	☒ YES	☐ NO

[illegible]

COMPANY
SPENCER ENVIRONMENTAL

DATE/TIME
10/21/96 2:30pm

RECEIVED BY 

COMPANY DET

COMPANY
NET

DATE/TIME
10/22 9:40

RECEIVED BY Kathy [Signature]

COMPANY
NET

COMPANY

DATE/TIME

RECEIVED BY

COMPANY	
---------	--

American Environmental Network, Inc.

Kip Harris
Spencer Environmental
P.O. Box 5207
914 S. Molalla Avenue
Oregon City, OR 97045

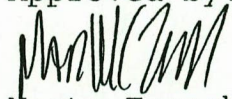
Date: 11/14/1996
AEN Account No.: 24400
AEN Job Number: 96.03532

Project: Clackamas Community College
Location: Clackamas Community College

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Sample Number	Sample Description	Matrix Type	Date Taken	Date Received
71915	1108CCC-MB	SOIL	11/08/1996	11/08/1996
71916	1108CCC-SS	SOIL	11/08/1996	11/08/1996

Approved by:



Marty French
AEN, INC.

ANALYTICAL REPORT

Kip Harris
Spencer Environmental
P.O. Box 5207
914 S. Molalla Avenue
Oregon City, OR 97045

11/14/1996
Job No.: 96.03532

Page: 2

Project Name: Clackamas Community College
Date Received: 11/08/1996

Sample Number Sample Description
71915 1108CCC-MB

<u>PARAMETERS</u>	<u>METHODS</u>	<u>RESULTS</u>	<u>REPORT LIMIT</u>	<u>UNITS</u>	<u>DATE ANALYZED</u>	<u>FLAG</u>
ICP/AA Digestion - Water	ICP	-			11/12/1996	
TCLP EXTRACTION PREP	1311	-			11/11/1996	
TCLP - Cadmium, ICP	6010	ND	0.05	mg/L	11/12/1996	
TCLP - Chromium, ICP	6010	ND	0.05	mg/L	11/12/1996	
TCLP - Lead, ICP	6010	ND	0.05	mg/L	11/12/1996	
VOLATILE COMPOUNDS (S) - 8260						
Dilution Factor		1			11/11/1996	
Dichlorodifluoromethane	8260	ND	5.0	ug/Kg	11/11/1996	
Chloromethane	8260	ND	5.0	ug/Kg	11/11/1996	
Vinyl Chloride	8260	ND	5.0	ug/Kg	11/11/1996	
Bromomethane	8260	ND	5.0	ug/Kg	11/11/1996	
Chloroethane	8260	ND	5.0	ug/Kg	11/11/1996	
Trichlorofluoromethane	8260	ND	5.0	ug/Kg	11/11/1996	
1,1-Dichloroethene	8260	ND	5.0	ug/Kg	11/11/1996	
Carbon Disulfide	8260	ND	5.0	ug/Kg	11/11/1996	
Acetone	8260	ND	20	ug/Kg	11/11/1996	
Methylene Chloride	8260	ND	50	ug/Kg	11/11/1996	
trans-1,2-Dichloroethene	8260	ND	5.0	ug/Kg	11/11/1996	
1,1-Dichloroethane	8260	ND	5.0	ug/Kg	11/11/1996	
Vinyl Acetate	8260	ND	5.0	ug/Kg	11/11/1996	
2,2-Dichloropropane	8260	ND	5.0	ug/Kg	11/11/1996	
cis-1,2-Dichloroethene	8260	ND	5.0	ug/Kg	11/11/1996	
2-Butanone	8260	ND	20	ug/Kg	11/11/1996	
Bromochloromethane	8260	ND	5.0	ug/Kg	11/11/1996	
Chloroform	8260	ND	5.0	ug/Kg	11/11/1996	
1,1,1-Trichloroethane	8260	ND	5.0	ug/Kg	11/11/1996	
Carbon Tetrachloride	8260	ND	5.0	ug/Kg	11/11/1996	
1,1-Dichloropropene	8260	ND	5.0	ug/Kg	11/11/1996	
Benzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,2-Dichloroethane	8260	ND	5.0	ug/Kg	11/11/1996	
Trichloroethene	8260	ND	5.0	ug/Kg	11/11/1996	
1,2-Dichloropropane	8260	ND	5.0	ug/Kg	11/11/1996	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Kip Harris
Spencer Environmental
P.O. Box 5207
914 S. Molalla Avenue
Oregon City, OR 97045

11/14/1996
Job No.: 96.03532

Page: 3

Project Name: Clackamas Community College
Date Received: 11/08/1996

Sample Number Sample Description
71915 1108CCC-MB

<u>PARAMETERS</u>	<u>METHODS</u>	<u>RESULTS</u>	<u>REPORT LIMIT</u>	<u>UNITS</u>	<u>DATE ANALYZED</u>	<u>FLAG</u>
Dibromomethane	8260	ND	5.0	ug/Kg	11/11/1996	
Bromodichloromethane	8260	ND	5.0	ug/Kg	11/11/1996	
cis-1,3-Dichloropropene	8260	ND	5.0	ug/Kg	11/11/1996	
MIBK	8260	ND	20	ug/Kg	11/11/1996	
Toluene	8260	ND	5.0	ug/Kg	11/11/1996	
trans-1,3-Dichloropropene	8260	ND	5.0	ug/Kg	11/11/1996	
1,1,2-Trichloroethane	8260	ND	5.0	ug/Kg	11/11/1996	
Tetrachloroethene	8260	ND	5.0	ug/Kg	11/11/1996	
1,3-Dichloropropane	8260	ND	5.0	ug/Kg	11/11/1996	
2-Hexanone	8260	ND	20	ug/Kg	11/11/1996	
Dibromochloromethane	8260	ND	5.0	ug/Kg	11/11/1996	
1,2-Dibromomethane	8260	ND	5.0	ug/Kg	11/11/1996	
Chlorobenzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,1,1,2-Tetrachloroethane	8260	ND	5.0	ug/Kg	11/11/1996	
Ethyl Benzene	8260	ND	5.0	ug/Kg	11/11/1996	
m,p-xylene	8260	ND	5.0	ug/Kg	11/11/1996	
o-xylene	8260	ND	5.0	ug/Kg	11/11/1996	
Styrene	8260	ND	5.0	ug/Kg	11/11/1996	
Bromoform	8260	ND	5.0	ug/Kg	11/11/1996	
Isopropylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
Bromobenzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,1,2,2,-Tetrachloroethane	8260	ND	5.0	ug/Kg	11/11/1996	
1,2,3-Trichloropropane	8260	ND	5.0	ug/Kg	11/11/1996	
N-Propylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
2-Chlorotoluene	8260	ND	5.0	ug/Kg	11/11/1996	
4-Chlorotoluene	8260	ND	5.0	ug/Kg	11/11/1996	
1,3,5-Trimethylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
tert-Butylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,2,4-Trimethylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
sec-Butylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
p-isopropyltoluene	8260	ND	5.0	ug/Kg	11/11/1996	
1,3-Dichlorobenzene	8260	ND	5.0	ug/Kg	11/11/1996	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Kip Harris
Spencer Environmental
P.O. Box 5207
914 S. Molalla Avenue
Oregon City, OR 97045

11/14/1996
Job No.: 96.03532

Page: 4

Project Name: Clackamas Community College
Date Received: 11/08/1996

Sample Number Sample Description
71915 1108CCC-MB

<u>PARAMETERS</u>	<u>METHODS</u>	<u>RESULTS</u>	<u>REPORT LIMIT</u>	<u>UNITS</u>	<u>DATE ANALYZED</u>	<u>FLAG</u>
1,4-Dichlorobenzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,2-Dichlorobenzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,2,3-Trimethylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
n-Butylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,2-Dibromo-3-Chloropropane	8260	ND	5.0	ug/Kg	11/11/1996	
1,2,4-Trichlorobenzene	8260	ND	5.0	ug/Kg	11/11/1996	
Hexachlorobutadiene	8260	ND	5.0	ug/Kg	11/11/1996	
Naphthalene	8260	ND	5.0	ug/Kg	11/11/1996	
1,2,3-Trichlorobenzene	8260	ND	5.0	ug/Kg	11/11/1996	
TPH-G (S) PREP		-			11/10/1996	
OAR TPH-GAS (S)						
Dilution Factor		1	-		11/10/1996	
TPH-Gas	OAR-G	ND	10	mg/Kg	11/10/1996	
OAR TPH-418.1M (S) PREP		-	-		11/11/1996	
OAR TPH-418.1M (S)	TPH-418.1M	5.2	5	mg/Kg	11/11/1996	

Sample Number Sample Description
71916 1108CCC-SS

<u>PARAMETERS</u>	<u>METHODS</u>	<u>RESULTS</u>	<u>REPORT LIMIT</u>	<u>UNITS</u>	<u>DATE ANALYZED</u>	<u>FLAG</u>
VOLATILE COMPOUNDS (S) - 8260						
Dilution Factor		1			11/11/1996	
Dichlorodifluoromethane	8260	ND	5.0	ug/Kg	11/11/1996	
Chloromethane	8260	ND	5.0	ug/Kg	11/11/1996	
Vinyl Chloride	8260	ND	5.0	ug/Kg	11/11/1996	
Bromomethane	8260	ND	5.0	ug/Kg	11/11/1996	
Chloroethane	8260	ND	5.0	ug/Kg	11/11/1996	
Trichlorofluoromethane	8260	ND	5.0	ug/Kg	11/11/1996	
1,1-Dichloroethene	8260	ND	5.0	ug/Kg	11/11/1996	
Carbon Disulfide	8260	ND	5.0	ug/Kg	11/11/1996	
Acetone	8260	ND	20	ug/Kg	11/11/1996	
Methylene Chloride	8260	ND	50	ug/Kg	11/11/1996	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Kip Harris
Spencer Environmental
P.O. Box 5207
914 S. Molalla Avenue
Oregon City, OR 97045

11/14/1996
Job No.: 96.03532

Page: 5

Project Name: Clackamas Community College
Date Received: 11/08/1996

Sample Number Sample Description
71916 1108CCC-SS

<u>PARAMETERS</u>	<u>METHODS</u>	<u>RESULTS</u>	<u>REPORT LIMIT</u>	<u>UNITS</u>	<u>DATE ANALYZED</u>	<u>FLAG</u>
trans-1,2-Dichloroethene	8260	ND	5.0	ug/Kg	11/11/1996	
1,1-Dichloroethane	8260	ND	5.0	ug/Kg	11/11/1996	
Vinyl Acetate	8260	ND	5.0	ug/Kg	11/11/1996	
2,2-Dichloropropane	8260	ND	5.0	ug/Kg	11/11/1996	
cis-1,2-Dichloroethene	8260	ND	5.0	ug/Kg	11/11/1996	
2-Butanone	8260	ND	20	ug/Kg	11/11/1996	
Bromochloromethane	8260	ND	5.0	ug/Kg	11/11/1996	
Chloroform	8260	ND	5.0	ug/Kg	11/11/1996	
1,1,1-Trichloroethane	8260	ND	5.0	ug/Kg	11/11/1996	
Carbon Tetrachloride	8260	ND	5.0	ug/Kg	11/11/1996	
1,1-Dichloropropene	8260	ND	5.0	ug/Kg	11/11/1996	
Benzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,2-Dichloroethane	8260	ND	5.0	ug/Kg	11/11/1996	
Trichloroethene	8260	ND	5.0	ug/Kg	11/11/1996	
1,2-Dichloropropane	8260	ND	5.0	ug/Kg	11/11/1996	
Dibromomethane	8260	ND	5.0	ug/Kg	11/11/1996	
Bromodichloromethane	8260	ND	5.0	ug/Kg	11/11/1996	
cis-1,3-Dichloropropene	8260	ND	5.0	ug/Kg	11/11/1996	
MIBK	8260	ND	20	ug/Kg	11/11/1996	
Toluene	8260	ND	5.0	ug/Kg	11/11/1996	
trans-1,3-Dichloropropene	8260	ND	5.0	ug/Kg	11/11/1996	
1,1,2-Trichloroethane	8260	ND	5.0	ug/Kg	11/11/1996	
Tetrachloroethene	8260	ND	5.0	ug/Kg	11/11/1996	
1,3-Dichloropropane	8260	ND	5.0	ug/Kg	11/11/1996	
2-Hexanone	8260	ND	20	ug/Kg	11/11/1996	
Dibromochloromethane	8260	ND	5.0	ug/Kg	11/11/1996	
1,2-Dibromomethane	8260	ND	5.0	ug/Kg	11/11/1996	
Chlorobenzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,1,1,2-Tetrachloroethane	8260	ND	5.0	ug/Kg	11/11/1996	
Ethyl Benzene	8260	ND	5.0	ug/Kg	11/11/1996	
m,p-xylene	8260	ND	5.0	ug/Kg	11/11/1996	
o-xylene	8260	ND	5.0	ug/Kg	11/11/1996	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Kip Harris
Spencer Environmental
P.O. Box 5207
914 S. Molalla Avenue
Oregon City, OR 97045

11/14/1996
Job No.: 96.03532

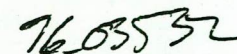
Page: 6

Project Name: Clackamas Community College
Date Received: 11/08/1996

Sample Number Sample Description
71916 1108CCC-SS

<u>PARAMETERS</u>	<u>METHODS</u>	<u>RESULTS</u>	<u>REPORT LIMIT</u>	<u>UNITS</u>	<u>DATE ANALYZED</u>	<u>FLAG</u>
Styrene	8260	ND	5.0	ug/Kg	11/11/1996	
Bromoform	8260	ND	5.0	ug/Kg	11/11/1996	
Isopropylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
Bromobenzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,1,2,2,-Tetrachloroethane	8260	ND	5.0	ug/Kg	11/11/1996	
1,2,3-Trichloropropane	8260	ND	5.0	ug/Kg	11/11/1996	
N-Propylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
2-Chlorotoluene	8260	ND	5.0	ug/Kg	11/11/1996	
4-Chlorotoluene	8260	ND	5.0	ug/Kg	11/11/1996	
1,3,5-Trimethylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
tert-Butylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,2,4-Trimethylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
sec-Butylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
p-isopropyltoluene	8260	ND	5.0	ug/Kg	11/11/1996	
1,3-Dichlorobenzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,4-Dichlorobenzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,2-Dichlorobenzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,2,3-Trimethylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
n-Butylbenzene	8260	ND	5.0	ug/Kg	11/11/1996	
1,2-Dibromo-3-Chloropropane	8260	ND	5.0	ug/Kg	11/11/1996	
1,2,4-Trichlorobenzene	8260	ND	5.0	ug/Kg	11/11/1996	
Hexachlorobutadiene	8260	ND	5.0	ug/Kg	11/11/1996	
Naphthalene	8260	ND	5.0	ug/Kg	11/11/1996	
1,2,3-Trichlorobenzene	8260	ND	5.0	ug/Kg	11/11/1996	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.



RUSH ☐ YES ☒ NO

PROVIDE FINAL FAX RESULTS ☒ YES ☐ NO

RELINQUISHED BY <i>Rid Harris</i>	COMPANY <i>SPENCER ENVIRONMENTAL</i>	DATE/TIME <i>11/8/96 2:40pm</i>	RECEIVED BY <i>[Signature]</i>	COMPANY <i>NET/AEN</i>
RELINQUISHED BY <i>[Signature]</i>	COMPANY <i>NET/AEN</i>	DATE/TIME <i>11/8/96 1505</i>	RECEIVED BY <i>[Signature]</i>	COMPANY <i>NET/AEN</i>
RELINQUISHED BY	COMPANY	DATE/TIME	RECEIVED BY	COMPANY

Appendix E

Kip - Spencer

FAX 657-3395

505460

Hillsboro Landfill Inc.

Subsidiary of Sanifill Inc.

Scale House - LAN # 2

TRANSACTION # 164844 Acct# (SK0001)

Account: L SKOU EXCV

Loop Tag 93

	In	Out	
Date	12-04-96	12-04-96	C2
Time	13:25	13:38	DIR: IN
Scale Op	FMM	HJO	ONS: 13

Transtn Type= 3/DISPOSAL - 3rd Party

Payment Type= 1/Charge

Vehicle Type= 4/Dump Truck

Origin Type=12/Clackamas --- OUT

Materl. Type=13/Soils

Destin. Type= 1/Hillsboro Landfill

	lbs	tons	
Gross Wt	36,680	18.34	Scale # 12/A
Tare Wt	22,840	11.42	Scale # 13/B
Net Wt	13,840	6.92	TN

Permit#

PH3392

Rate \$ 37.14/TN

Tip Fee \$ 257.01

Spec Fee \$ 0.00

Total Fee \$ 257.01

Remark : 19600 MOLLALA AVE OREGON CITY MARTY Z.

Appendix F

FROMER
LESS

SPENCER

CLACKAMAS COMMUNITY COLLEGE

R.S. DAVIS RECYCLING, INC.
10105 S.E. MATHER RD.
CLACKAMAS, OR 97015
(503) 655-5433

BILL OF SALE NO.

68153

AHN°

KIP
Harris

12:19PM 21OCT96 GROSS 12290 LB
12:24PM 21OCT96 TARE 11940 LB

FUEL TANK

BILL OF SALE

ereby state that I am the owner of the material described
eon, that I have a right to sell same and that for payment
eived in full, hereby acknowledged, I sell and convey title of
ne to R.S. DAVIS RECYCLING, INC.

PRICE

35

EXTENDED

UST CLEANUP TELEPHONE USE REPORT

CALL FROM/TO: George Sims DATE: 2/25/97

WITH: _____ TIME: 1424

TELEPHONE NO: (503) 657-6958 x 2632

REGARDING: _____

FILE NO: 03-91-0342

SUMMARY OF CALL

Left a message letting Mr. Sims
know I was assigned this cleanup
project.

Mitch School
Staff Signature

January 30, 1997

GEORGE SIMS
CLACKAMAS COMMUNITY COLLEGE
19600 SOUTH MOLALLA AVENUE
OREGON CITY OR 97045-7998

DEPARTMENT OF
ENVIRONMENTAL
QUALITY

RE: Clackamas Community College
File No. 03-91-342

NORTHWEST REGION

Dear Mr. Sims:

The Department has received your recent report concerning your petroleum cleanup project. However, a project manager is not currently assigned to this project for regulatory oversight purposes due to one of the following reasons:

1. The project does not have a high enough environmental priority ranking relative to other, higher priority projects at this time.
2. There is no signed cost recovery agreement with the Department to provide expedited regulatory oversight for this cleanup project.

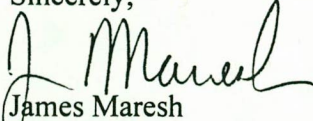
In light of this, your report will be retained on file but will not be reviewed in detail until such time as it is possible to assign a project manager to this project. This action in no way exempts you from complying with the cleanup regulations in a timely manner.

When your cleanup project is assigned to a project manager, the information contained within the above referenced report and the file for your cleanup project, will be reviewed in order to determine the adequacy of the cleanup and for compliance with applicable regulations. Based on this review, additional cleanup work or documentation of cleanup and related activities may be required by the Department. Otherwise, the project may be determined complete resulting in the issuance of a formal "no further action" letter.

Please note that regardless of whether you have signed a cost recovery agreement or not, you will be responsible for payment of all regulatory oversight costs incurred by the Department.

If you should have any questions regarding this matter, please call the Department at (503) 229-5263 and request to speak to the Underground Storage Tank (UST) duty officer.

Sincerely,



James Maresh
Duty Officer

Underground Storage Tanks
Northwest Region

John A. Kitzhaber
Governor



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

DEQ-1



DEPT OF ENVIRONMENTAL QUALITY
RECEIVED

JAN 27 1997

NORTHWEST REGION

January 24, 1997

Jim Marsh
DEQ-UST
811 S.W. Sixth Avenue
Portland, Oregon 97204-1390

Re: UST-Clackamas County
Site Name: Clackamas Community College
File No: 03-91-342

Dear Mr. Marsh

During a recent review of our file your department found that our site was still in the open status. I have enclosed copies of letters for the project that I hope will help with the closure of this sites soil remediation project.

The soil remediation project was completed in May of 1993 by Oregon Hydrocarbon, Inc.

Please advise us if we need to do any other noification with regard to this project.

Sincerely,

A handwritten signature in blue ink that reads "George W. Sims". The signature is fluid and cursive, with the first and last names being clearly legible.

George W. Sims
Risk Control Specialist
Clackamas Community College
(503) 657-6958 ext. 2632

October 12, 1993

DEPARTMENT OF
ENVIRONMENTAL
QUALITY

NORTHWEST REGION

GEORGE SIMS
CLACKAMAS COMMUNITY COLLEGE
19600 SOUTH MOLALLA AVENUE
OREGON CITY OR 97045

Re: CLACKAMAS COMMUNITY COLLEGE
File No. 03-91-342

Dear Mr. Sims:

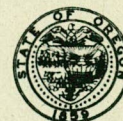
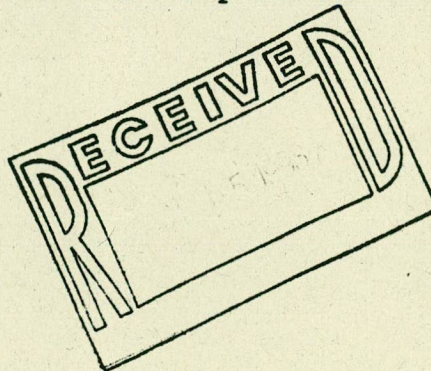
During a recent review of your file, I noted that your soil remediation project had been completed. As for closure on your site, if you are anticipating a no further action letter please be aware that because of the very large number of sites needing cleanup and Department oversight, a new approach had to be developed to adequately address these sites. This new approach is referred to as the Responsible Party Priority Program and has created three new categories of sites. These categories are discussed below.

1) HIGH ENVIRONMENTAL PRIORITY SITES

The Department of Environmental Quality is focusing its limited resources primarily on those sites presenting the greatest risk to human health, safety, and the environment. As one high priority site is completed, the next highest priority site is selected for work.

2) RESPONSIBLE PARTY PRIORITY SITES

This program is for those responsible parties who have their own priorities concerning their cleanup and need Department signoff on their site (e.g. to sell their property, obtain financing or insurance, etc.). Those parties wishing to participate in this approach will be asked to sign an agreement with the Department. The agreement will ensure Department oversight and formalize the authority given in ORS 465 to recover the Department's oversight costs for the project.



1500 SW First Avenue
Suite 750
Portland, OR 97201-5884
(503) 229-5263

DEQ-1

3) RESPONSIBLE PARTY CLEANUP WITHOUT DEPARTMENT OVERSIGHT

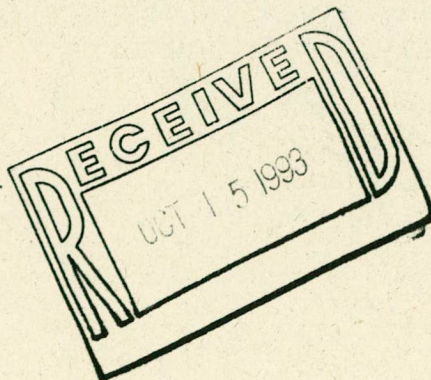
If the Department is not contacting you for oversight, you can expect that eventually we will get to you as your site works its way up our priority list. We expect that if a competent service provider or consultant carefully follows the rules and the guidance documents, there should be no unexpected surprises when your site comes up for Department review. You are required to proceed with your site investigation and cleanup even if you do not sign up for Department oversight.

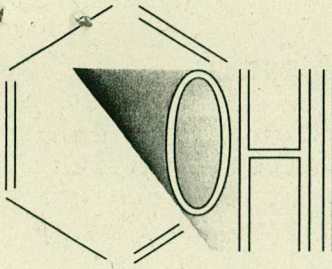
If you have any questions concerning the Responsible Party Priority Program, please contact Darby Bacon at 229-6635. For questions concerning soil cleanups, you may contact me at 229-6385 ext. 266.

Sincerely,



Gregory Toran
Environmental Specialist
Northwest Region





OREGON HYDROCARBON, INC.

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

May 17, 1993

Mr. George Simms
Clackamas Community College
19600 S Molalla Avenue
Oregon City, OR 97045

Dear Mr. Simms:

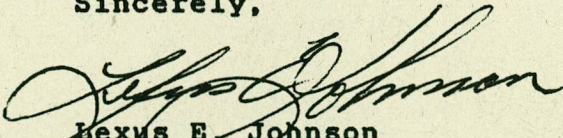
This letter is to certify that all contaminated soil shipped to Oregon Hydrocarbon Inc. on Bill of Lading number(s) O3CNF-1 through O3CNF-4, 19600 S Molalla Avenue, Oregon City, OR have been thermally treated.

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.

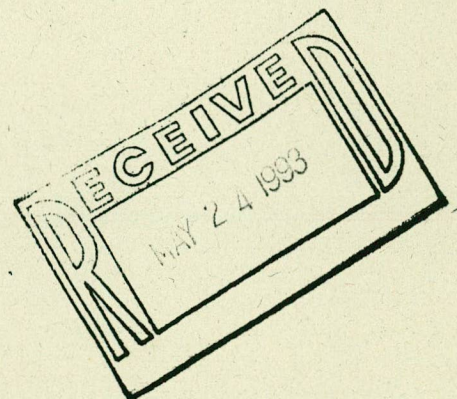
As determined by the Oregon Department of Environmental Quality, the Oregon action level for hydrocarbon contaminated soil is 40 mg/kg TPH for gasoline and 100 mg/kg TPH for diesel and other heavier chains of hydrocarbons. Any soil contaminated with hydrocarbons below these state levels is considered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

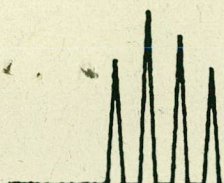
We thank you for this opportunity to be of service to you. Should you have any further questions, please feel free to call me at any time.

Sincerely,


Lexus E. Johnson
General Manager

enclosure





CENTRUM ANALYTICAL LABORATORIES, INC.

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

Client: Oregon Hydrocarbon, Inc.
P.O. Box 83685
Portland, CA 97283

Date: 05/18/93
J.N.: 4636

Project: O.H.I. Processed Soil

Date Sampled : 05/17/93
Date Recieved: 05/18/93
Date Analyzed: 05/18/93
Samples Rcv'd: 1 Soil
Analyst: *[Signature]*

=====

LABORATORY RESULTS

=====

METHOD: EPA 8020 (B-T-E-X)
MATRIX: Soil
CONCENTRATION: ug/kg (parts per billion)

<u>Sample No.</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethylbenzene</u>	<u>Total Xylenes</u>
Method Blank	ND	ND	ND	ND
00031, 32, 33, 34				
03CPF, 03CNF,				
03DUT	ND	11	ND	12

Detection Limit: 10 10 10 10

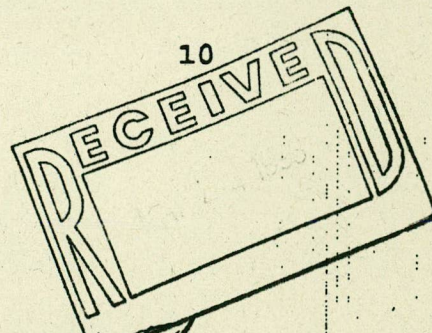
ND - Not Detected

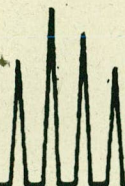
Respectfully Submitted,

CENTRUM ANALYTICAL LABORATORIES

Ida Wallace
Ida Wallace
Laboratory Supervisor

[Signature]
Michael A. Yartzoff
General Manager





CENTRUM ANALYTICAL LABORATORIES, INC.

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

Client: Oregon Hydrocarbon, Inc.
P.O. Box 83685
Portland, OR 97283

Date: 05/18/93
J.N.: 4636

Project: O.H.I. Processed Soil

Date Sampled : 05/17/93
Date Recieved: 05/18/93
Date Analyzed: 05/18/93
Samples Rcv'd: 1 Soil
Analyst: *ac*

=====

LABORATORY RESULTS

=====

METHOD: Modified 8015 (Total Extractable Petroleum Hydrocarbons)

MATRIX: Soil

CONCENTRATION: mg/kg (parts per million)

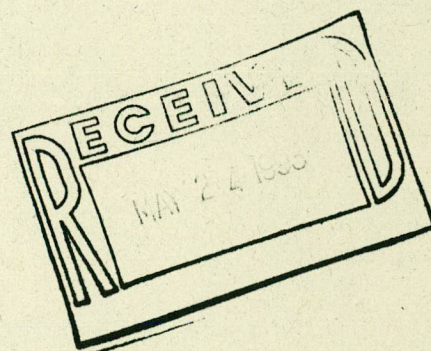
<u>Sample No.</u>	<u>Diesel</u>	<u>Gasoline</u>	<u>Kerosene</u>	<u>Detection Limit</u>
Method Blank	ND	ND	ND	20
00031, 32, 33, 34	ND	ND	ND	20
03CPF, 03CNF, 03DUT				

ND - Not Detected

Respectfully Submitted,

CENTRUM ANALYTICAL LABORATORIES

Ida Wallace
Ida Wallace
Laboratory Supervisor



M. Yartzoff
Michael A. Yartzoff
General Manager



SPENCER ENVIRONMENTAL

Protecting the Environment

Post Office Box 5207 • Oregon City, Oregon 97045-8207
(503) 655-0896 Fax: (503) 657-3395

January 20, 1997

Mr. James Maresh
Department of Environmental Quality
Northwest Region - UST
2020 SW Fourth Avenue, Suite 400
Portland, Oregon 97201

Re: Release Log # 03-91-342

Dear Mr. Maresh,

Enclosed, please find the final report for the 275 gallon UST decommissioning project at Clackamas Community College in Oregon City. Thank you for your patience while waiting for this report. Please contact me with any questions you may have.

Respectfully,

Kip Harris

DEPT OF ENVIRONMENTAL QUALITY
RECEIVED

JAN 23 1997

NORTHWEST REGION

UST CLEANUP TELEPHONE USE REPORT

CALL FROM/TO: Kip Hermin DATE: 07-14-00-98
WITH: Spencer TIME: 0845
TELEPHONE NO: () 655-0896
REGARDING: Clackamas Comm. College
FILE NO: 03-91342

SUMMARY OF CALL

Our fill contamination on waste oil tank - HClO's taken on pit bottom for confirmatory sampling - I told him to at least take one sample from pit bottom & run confirmatory for all constituents (G + 48.1 m) ~~solvents~~ I told him that if solvents and metals didn't show in initial screening they probably wouldn't be necessary for confirmatory.

J. Marshall
Staff Signature

December 18, 1995

Mr. George Sims
Clackamas Community College
19600 S. Molalla Avenue
Oregon City, OR 97045-7998

Re: Clackamas Community College
Log No. 03-91-0342

Dear Mr. Sims:

The purpose of this letter is to provide notification that you will be receiving an invoice from the Department of Environmental Quality (DEQ) for costs the DEQ has accrued during oversight activities at the facility listed above. A release of petroleum (a hazardous material) at this site was reported to the DEQ as required by law.

Responsible parties are required to pay costs incurred by DEQ for oversight of investigation and cleanup of spills and releases of hazardous materials (ORS 465.225). This includes both direct and indirect costs. Direct costs include site-specific expenses and legal costs. Examples are: time spent by a project manager conducting a site visit or reviewing a report, or clerical staff starting a file or updating a database.

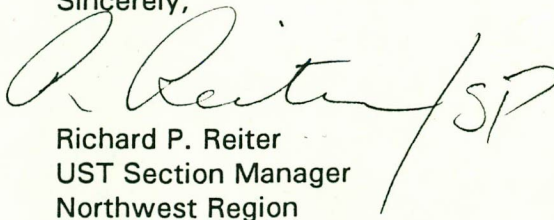
Indirect costs are general management and support costs accrued by the DEQ which are associated with oversight of this cleanup, but which are not charged as direct, site-specific costs. An example is time associated with processing timesheets and payroll.

The cost(s) you will be invoiced for may have been accrued over the last several years. Due to a large backlog of projects, invoices on low priority projects were delayed. We apologize for any inconvenience this may have caused.

If you have any questions regarding the Department's cost recovery program or your invoice, please contact our Waste Management and Cleanup Division at (503) 229-5812.

Should you have any technical questions about your cleanup project, please contact the Northwest Region's Underground Storage Tank duty officer at (503) 229-5263.

Sincerely,


Richard P. Reiter
UST Section Manager
Northwest Region

RPR:m
SM6335



811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696
TDD (503) 229-6993
DEQ-1



October 12, 1993

DEPARTMENT OF
ENVIRONMENTAL
QUALITY

NORTHWEST REGION

GEORGE SIMS
CLACKAMAS COMMUNITY COLLEGE
19600 SOUTH MOLALLA AVENUE
OREGON CITY OR 97045

Re: CLACKAMAS COMMUNITY COLLEGE
File No. 03-91-342

Dear Mr. Sims:

During a recent review of your file, I noted that your soil remediation project had been completed. As for closure on your site, if you are anticipating a no further action letter please be aware that because of the very large number of sites needing cleanup and Department oversight, a new approach had to be developed to adequately address these sites. This new approach is referred to as the Responsible Party Priority Program and has created three new categories of sites. These categories are discussed below.

1) HIGH ENVIRONMENTAL PRIORITY SITES

The Department of Environmental Quality is focusing its limited resources primarily on those sites presenting the greatest risk to human health, safety, and the environment. As one high priority site is completed, the next highest priority site is selected for work.

2) RESPONSIBLE PARTY PRIORITY SITES

This program is for those responsible parties who have their own priorities concerning their cleanup and need Department signoff on their site (e.g. to sell their property, obtain financing or insurance, etc.). Those parties wishing to participate in this approach will be asked to sign an agreement with the Department. The agreement will ensure Department oversight and formalize the authority given in ORS 465 to recover the Department's oversight costs for the project.



1500 SW First Avenue
Suite 750
Portland, OR 97201-5884
(503) 229-5263
DEQ-1

3) RESPONSIBLE PARTY CLEANUP WITHOUT DEPARTMENT OVERSIGHT

If the Department is not contacting you for oversight, you can expect that eventually we will get to you as your site works its way up our priority list. We expect that if a competent service provider or consultant carefully follows the rules and the guidance documents, there should be no unexpected surprises when your site comes up for Department review. You are required to proceed with your site investigation and cleanup even if you do not sign up for Department oversight.

If you have any questions concerning the Responsible Party Priority Program, please contact Darby Bacon at 229-6635. For questions concerning soil cleanups, you may contact me at 229-6385 ext. 266.

Sincerely,



Gregory Toran
Environmental Specialist
Northwest Region

SOIL AERATION FIELD INSPECTION REPORT

Site Name: Clackamas Community College Date: 13 May 93

Site Address: 19600 S. Molalla Oregon City File No.: 03-91-244

Inspected By: TRCg 342

Inspection Time: 1403 / 1415 + Travel: 48 = Total Time
arrive depart 35 (total rounded to nearest .5 hours)

SAMPLES COLLECTED? Y / N (attach)

Y (N) Is there any soil onsite? If yes, **ESTIMATED VOLUME OF SOIL:** _____yd³

Y (N) Is any soil being treated offsite? If yes, list the treatment site address:

THE FOLLOWING ARE PROBLEMS THAT WERE OBSERVED: (circle appropriate descriptor)

There is no fence or other security measures in place to prevent unauthorized access to the contaminated soil OR barriers are damaged or have fallen.

Soil is being stockpiled with no active treatment evident.

No liner or liner is damaged.

Not contained in a bermed area or berm is inadequate or damaged.

No cover or cover not secured.

Treated soil is not being responsibly managed.

No liner or liner is damaged or excessively torn.

Not contained in a bermed area or berm is inadequate or damaged.

No evidence that soil is covered during rain or storms.

No evidence that soil is tilled/turned on a regular basis.

Soil is spread thicker than 12-18 inches. Actual depth: _____

Visible evidence that surface water runoff has occurred or is likely to occur.

Treatment site is not suitable.

Located near (<100 feet) a wetland area or surface stream.

Treatment area is on a steep embankment.

Located within a residential area and the Department has received complaints and/or observed nuisance conditions of dust or odors.

IN COMPLIANCE? Y / N / NA

If soil observed, complete the following:

Y N An UST Permit Addendum or LOA has been issued. Expires: _____

Y N A Soil Treatment Plan has been received. Date Received: _____

NOTES: incarcerated at OHI, delivered by Spencer
see SAM.

Inspection Notes: (Page 1)

↑
N

SITE SKETCH

NOTES



May 27, 1993

Sheila Monroe
DEQ-UST
811 S. W. Sixth Avenue
Portland, OR 97204-1390

Re: UST-Clackamas County
Site Name: Clackamas Community College
File No: 03-91-342

DEPT OF ENVIRONMENTAL QUALITY
RECEIVED

MAY 28 1993

NORTHWEST REGION

Dear Ms. Monroe:

The following letter and laboratory analysis are from Oregon Hydrocarbon, Inc. which certifies that our contaminated soil has been thermally treated.

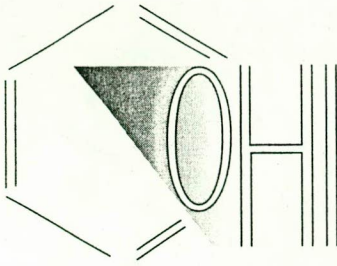
Thank you again for your patience and help.

Sincerely,

A handwritten signature in dark ink, appearing to read "George W. Sims", written over a horizontal line.

George W. Sims
Environmental Safety Specialist
Clackamas Community College

GWS:mho



OREGON HYDROCARBON, INC.

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

May 17, 1993

Mr. George Simms
Clackamas Community College
19600 S Molalla Avenue
Oregon City, OR 97045

Dear Mr. Simms:

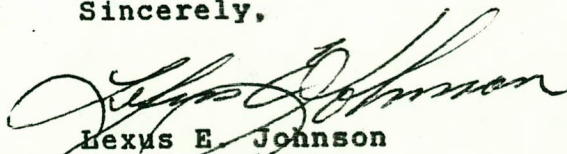
This letter is to certify that all contaminated soil shipped to Oregon Hydrocarbon Inc. on Bill of Lading number(s) O3CNF-1 through O3CNF-4, 19600 S Molalla Avenue, Oregon City, OR have been thermally treated.

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



CENTRUM ANALYTICAL LABORATORIES, INC.

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

Client: Oregon Hydrocarbon, Inc.
P.O. Box 83685
Portland, OR 97283

Date: 05/18/93
J.N.: 4636

Project: O.H.I. Processed Soil

Date Sampled : 05/17/93
Date Recieved: 05/18/93
Date Analyzed: 05/18/93
Samples Rcv'd: 1 Soil
Analyst: *ac*

=====

LABORATORY RESULTS

=====

METHOD: Modified 8015 (Total Extractable Petroleum Hydrocarbons)

MATRIX: Soil

CONCENTRATION: mg/kg (parts per million)

<u>Sample No.</u>	<u>Diesel</u>	<u>Gasoline</u>	<u>Kerosene</u>	<u>Detection Limit</u>
Method Blank	ND	ND	ND	20
00031, 32, 33, 34	ND	ND	ND	20
03CPF, 03CNF, 03DUT				

ND - Not Detected

Respectfully Submitted,

CENTRUM ANALYTICAL LABORATORIES

Ida Wallace
Ida Wallace
Laboratory Supervisor

M. Yartzoff
Michael A. Yartzoff
General Manager



CENTRUM ANALYTICAL LABORATORIES, INC.

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY • CHEMICAL AND BIOLOGICAL ANALYSES

Client: Oregon Hydrocarbon, Inc.
P.O. Box 83685
Portland, CA 97283

Date: 05/18/93
J.N.: 4636

Project: O.H.I. Processed Soil

Date Sampled : 05/17/93
Date Recieved: 05/18/93
Date Analyzed: 05/18/93
Samples Rcv'd: 1 Soil
Analyst: *[Signature]*

=====

LABORATORY RESULTS

=====

METHOD: EPA 8020 (B-T-E-X)
MATRIX: Soil
CONCENTRATION: ug/kg (parts per billion)

<u>Sample No.</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethylbenzene</u>	<u>Total Xylenes</u>
Method Blank	ND	ND	ND	ND
00031, 32, 33, 34				
03CPF, 03CNF,				
03DUT	ND	11	ND	12

Detection Limit: 10 10 10 10

ND - Not Detected

Respectfully Submitted,

CENTRUM ANALYTICAL LABORATORIES

Ida Wallace
Ida Wallace
Laboratory Supervisor

M. A. Yartzoff
Michael A. Yartzoff
General Manager



DEPT OF ENVIRONMENTAL QUALITY
RECEIVED

April 23, 1993

APR 28 1993

NORTHWEST REGION

Sheila Monroe
DEQ-UST
811 S.W. Sixth Avenue
Portland, OR 97204-1390

Re: UST-Clackamas County
Site Name: Clackamas Community College
File No. 03-91-342

Dear Ms. Monroe:

This is to inform you that the contaminated soil at this site has been removed by Spencer, Inc. EPA#ORD088590575 and disposed of at the Oregon Hydrocarbon, Inc. in Portland.

Thank you for your patience and help.

Sincerely,

A handwritten signature in dark ink, appearing to read "George W. Sims", written over a horizontal line.

George W. Sims
Environmental Safety Specialist
Clackamas Community College

GWS/mho

TELEPHONE USE REPORT

CALL ~~FROM~~ TO: George

DATE: 4-21-83

COMPANY/TITLE: _____

TIME: 8:13

PHONE NO.: _____

(Circle for filing)

CITY: _____ COUNTY: _____

AQ Asbestos

WQ OSS

SW HW

General Spill

Clachamas Community College.
03-91-342

SUMMARY OF CALL:

George said the contaminated soil had been
disposed at Hillsboro. He will send in disposal
receipts. I thought (to the best of my recollection)
that this was the last that he needed to do.

Shala A Monroe

Signature

TELEPHONE USE REPORT

CALL FROM/TO: George Siminas
 COMPANY/TITLE: Clackamas Com. College
 PHONE NO.: 657-6958 x 2632
 CITY: _____ COUNTY: _____

DATE: 7-1-92
 TIME: 16:00
 (Circle for filing)
 AQ Asbestos
 WQ OSS
 SW HW
 General Spill

SUMMARY OF CALL:

They plan to test the aerating soil in August. '92

-10-5-92 (8:48) left message.

(9:34) George is waiting for soil testing results. I requested that he send us a letter with the testing results. If the soil is clean, he should tell us what they plan on doing with the soil.

just need SA - HCID - oil & gas

Shale A. Monner
 Signature

UST FIELD INSPECTION REPORT

Site Name: Clackamas Comm. Col. Date: 5-19-92 Time: 9:20 / 9:40
 Site Address: 19600 S Molalla Ave. Travel Time: 25
 File/Facility No.: 03-91-342 Inspector: SA M

Others Onsite: George Simms (CCC)
 include
 company
 name

Inspection Type

☐ Install/Retro
☐ Decommission
☐ UST Facility
☐ Distrib. Audit
☒ Cleanup
☐ Soil Aeration
☐ Complaint
☐ Excav. Closure
☐ FAP Application

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

Health & Safety

Potential Site Hazards

Hazards Appraised? (Y) / N

Traffic

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

(use NOTES if more room needed)

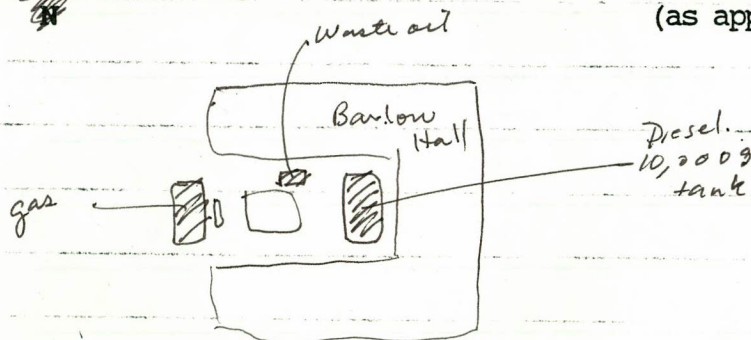
(other)
 FAP Site? Y / (N)

INSPECTION RESULTS - IN COMPLIANCE? (Y) / 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)

All excavations are paved. I spoke with George Simms. He is waiting for O'Sullivan to produce confirmatory sampling results. On-site aeration is being performed on a remote area of campus. George plans to do soil (SA)

INSPECTION NOTES: (cont.)

testing in July. The soil is mostly pea gravel & no odors are apparent to George. George is aware that after confirming testing of this aerating soil that they will still need to ~~have~~ keep the soil ~~in~~ in an area which is not environmentally sensitive.

Campus Map

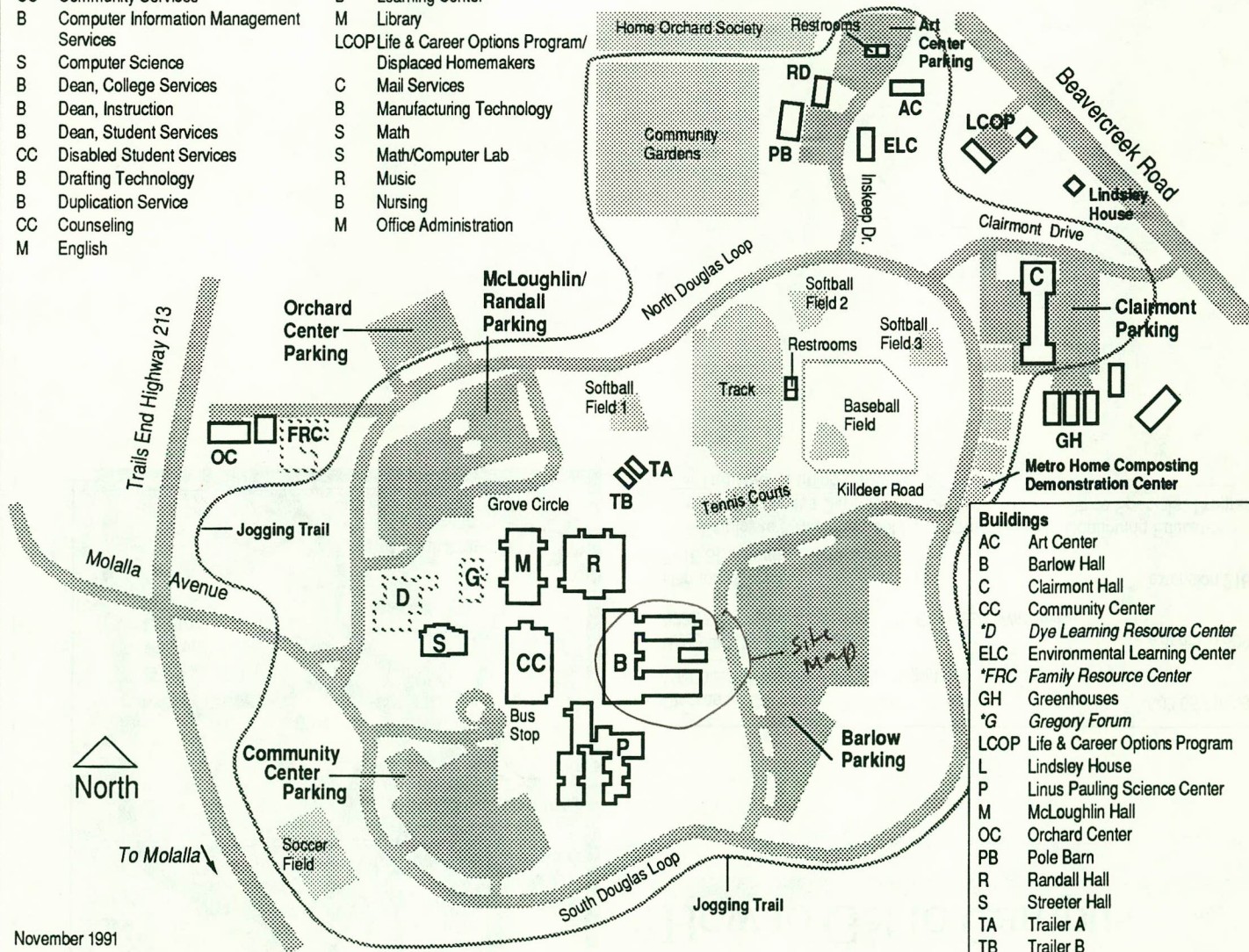
Departments & Offices

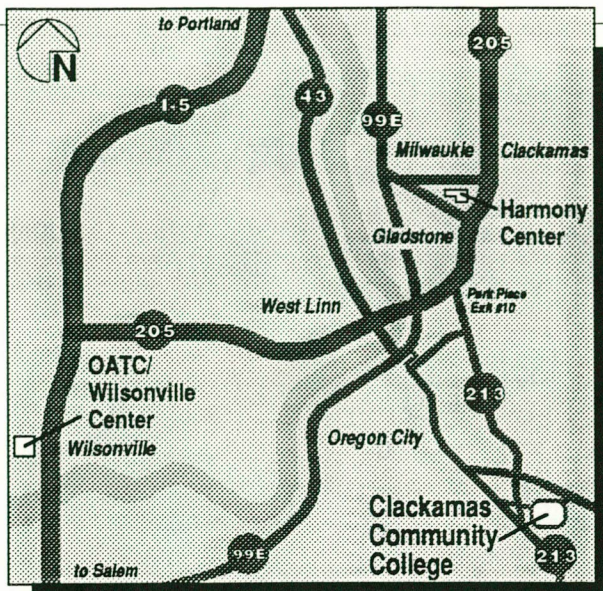
B ABE/GED
B Administration
CC Admissions and Registration
B Apprenticeship Program
AC Art
CC Assessment/Counseling
R Athletics
B Automotive
M Bookstore
M Business Administration
B Business Office
CC Cafeteria
CC Career Planning
CC Cashier
OC Child Care Center
R Community Recreation
CC Community Services
B Computer Information Management Services
S Computer Science
B Dean, College Services
B Dean, Instruction
B Dean, Student Services
CC Disabled Student Services
B Drafting Technology
B Duplication Service
CC Counseling
M English

ELC Environmental Learning Center
CC Evening & Saturday Office
M Family & Human Services
CC Financial Aid
CC Food Service
B Foundation Office
R Game Room
CC Graduation Evaluation
R Gym
CC Health Information
B Human Resources/Personnel
B Industrial Programs
CC Information Center
B Institutional Advancement
M Instructional Media Services
M International Education
C Law Enforcement
B Learning Center
M Library
LCOP Life & Career Options Program/
Displaced Homemakers
C Mail Services
B Manufacturing Technology
S Math
S Math/Computer Lab
R Music
B Nursing
M Office Administration

C Ornamental Horticulture
B Parts Merchandising
P Linus Pauling Center Gallery
B Personnel
R Physical Education
B Physical Plant Operations
B Plant Services
B President's Office
TB The PRINT Newspaper
C Printing Office
B Professional Skills Training Program
B Public Information
C Public Safety Office
C Public Service
B Publications
B Purchasing
ELC Recycling Depot

B Research Office
P Science
C Shipping & Receiving
B Social Science
M Speech
CC Student Activities
CC Student Government
B Student Loans
TB Student Publications
B Telecommunications
M Telecourses
CC Testing Office
M Theatre
B Tutoring Services
CC Veterans Office
P Water Quality Technology
L Young Parent Opportunity Program





◁ How to Get to Campus

Clackamas Community College
19600 South Molalla Avenue, Oregon City

503-657-8400

Wilsonville Business Center
9780 SW Hillman Court, Bldg. C8, Suite 830, Wilsonville

extension 609

Harmony Center
7616 SE Harmony Road, Milwaukie

extension 216

- Employee & Management Development
- Small Business Development Center
- Targeted Learning Center
- Continuing Education
- Office Specialist Program



Campus Map



O'Sullivan

PETROLEUM EQUIPMENT COMPANY

3214 16th Avenue S.W.
Seattle, Washington 98134
(206) 682-2440
FAX (206) 621-8568

28395 S.W. Boberg Road
Wilsonville, Oregon 97070
(503) 682-0275
FAX (503) 682-3607

May 6, 1992

DEPT OF ENVIRONMENTAL QUALITY
RECEIVED

MAY 11 1992

NORTHWEST REGION

Loren Garner
Department of Environmental Quality
811 S.W. Sixth Ave.
Portland, Oregon 97204

Re: Tank Removal, Clackamas Community College
Facility #6578

03-91-342

Dear Mr. Garner;

This letter serves as an update to our report of December 18, 1991. In September of 1991 we removed one 10,000 gallon heating oil, two 3000 gal gas and one waste oil tank. Although there was no water in the excavation, contamination was encountered at the waste oil tank location, which registered gasoline in sample ccc7 and ccc8 as 1827ppm and 1119ppm respectively. Additionally, we sampled for heavy metals with an 8240 analysis through Oregon Analytical Labs.

On the above referenced test, reported levels of 1,2 dichlorobenzene, 1,3 dichlorobenzene and 1,4 dichlorobenzene were 200, 310, and 210 ppm, respectively. These levels are in the spoils we stockpiled on that site in soil aeration. These levels are below OSHA exposure limits for Time Weighted Averages (TWA) which is the level of allowed exposure for an eight hour period and up to 40 hours per week (NIOSH p.84 and 85). Since a level of exposure to these compounds is not likely in this situation we didn't perform additional testing for these substances.

We removed approximately 150-200 yards of contaminated soil and spread it out on visqueen surrounded by haybales. We took five samples after removing the above soil, samples # 1-5 on December 18, 1991. All were non-detect except #5 which was 1 ppm. We then received permission to backfill the hole. To date we have not tested for soil contamination levels for removal, however we should be extracting those samples shortly.



A DIVISION OF OMEGA ENVIRONMENTAL INC.

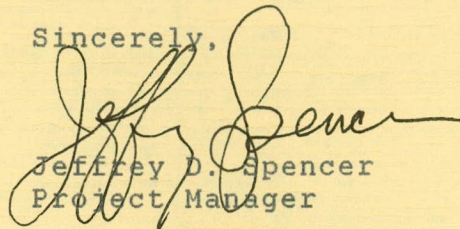
PEI
PETROLEUM EQUIPMENT INC.



On March 24, 1992, we tested for PCB's on the soil from the waste oil tank. This test was non-detect for pcb's and the documentation will be included with this report.

If I may answer any questions concerning the above informantion please contact me at our Oregon office.

Sincerely,



Jeffrey D. Spencer
Project Manager

cc: George Sims
Clackamas Community College

HAYMOND & ASSOCIATES INC.

ENVIRONMENTAL SCIENTISTS

1128 S.W. 13TH, PORTLAND, OR 97205
(503) 223-2737 FAX: 223-6168

RECEIVED DEC 19 1991

December 18, 1991

Page 1 of 2

O'Sullivan Construction
28395 S.W. Boberg Rd.
Wilsonville, OR 97070

PROJECT NAME/SITE: CLACKAMAS COMMUNITY COLLEGE

PO #: 20845

(LAB FILE: O'SULL34.DOC)

LAB ID/ FIELD ID:

3317/ #1 SOUTH WALL 12' - SOIL

TPH-HCID: GASOLINE: Not detected or present below reporting limit
DIESEL: Not detected or present below reporting limit
HEAVY OIL: Not detected or present below reporting limit

Extract surrogate recovery was 62%

3318/ #2 NORTH WALL 12' - SOIL

TPH-HCID: GASOLINE: Not detected or present below reporting limit
DIESEL: Not detected or present below reporting limit
HEAVY OIL: Not detected or present below reporting limit

Extract surrogate recovery was 58%

3319/ #3 EAST WALL 12' - SOIL

TPH-HCID: GASOLINE: Not detected or present below reporting limit
DIESEL: Not detected or present below reporting limit
HEAVY OIL: Not detected or present below reporting limit

Extract surrogate recovery was 73%

3320/ #4 WEST WALL 12' - SOIL

TPH-HCID: GASOLINE: Not detected or present below reporting limit
DIESEL: Not detected or present below reporting limit
HEAVY OIL: Not detected or present below reporting limit

Extract surrogate recovery was 63%

(CONTINUED)

HAYMOND & ASSOCIATES INC.

ENVIRONMENTAL SCIENTISTS

1128 S.W. 13TH, PORTLAND, OR 97205
(503) 223-2737 FAX: 223-6168

RECEIVED DEC 19 1991

December 18, 1991

Page 2 of 2

O'Sullivan Construction
28395 S.W. Boberg Rd.
Wilsonville, OR 97070

PROJECT NAME/SITE: CLACKAMAS COMMUNITY COLLEGE

PO #: 20845

(LAB FILE: O'SULL34.DOC)

LAB ID/ FIELD ID: (CONTINUED)

3321/ #5 BOTTOM UNDER TANK 13' - SOIL

TPH-HCID: GASOLINE: Detected
DIESEL: Not detected or present below reporting limit
HEAVY OIL: Not detected or present below reporting limit

TPH-G: Less than 1 mg/kg Total Gasoline Fractions

TPH-HCID Parameters:

- 1) If possible, identification is by comparison to reference chromatograms. If identification cannot be made by comparison, then compounds from C₆ to C₁₀ are called "Gasoline"; from C₁₁ to C₂₈ are called "Diesel"; and C₂₉ and beyond are called "Heavy Oil".
- 2) The reporting limit for Gasoline is 20 mg/kg.
- 3) The reporting limit for Diesel is 50 mg/kg.
- 4) The reporting limit for Heavy Oil is 50mg/kg.

BTEX (602/8020) Parameters for Water

- 1) The detection limit for Benzene, Toluene, Ethylbenzene and each Xylene is 3ug/l (ppb).

- 2) The laboratory blank showed no BTEX.
- 3) Duplicate analysis agreed to within 15%.

BTEX (602/8020) Parameters for Soil

- 1) The detection limit for Benzene, Toluene, Ethylbenzene and each Xylene is .1 mg/kg
- 2) The laboratory blank showed no BTEX.
- 3) Duplicate analysis agreed to within 15%.

TPH-G Parameters:

- 1) Duplicate analyses agree to within 10%.
- 2) The reporting limit is 10 mg/kg.
- 3) Laboratory blank showed no gasoline.

TPH-418.1 Parameters for Soil

- 1) The detection limit for TPH is 2 mg/kg.
- 2) The limit of quantitation is 6 mg/kg.
- 3) The laboratory blank showed no detected TPH.

TPH-418.1 Parameters for Water

- 1) The detection limit for TPH is .1 mg/l
- 2) The limit of quantitation is .3 mg/l
- 3) The laboratory blank showed no detected TPH.

TPH-D Parameters for Soil

- 1) Duplicate analyses agree to within 10%.
- 2) The reporting limit is 20 mg/kg.
- 3) The laboratory blank showed no diesel.

1128 S.W. 13th, Portland, OR 97205
(503) 223-2737 FAX: 223-6168

CHAIN OF CUSTODY

PINK COPY - CLIENTS COPY



RECEIVED MAR 26 1992

.....

O'SULLIVAN CONSTRUCTION
28395 SW BOBERG RD.
WILSONVILLE, OR. 97070

REVIEWED BY: D. Miller

REVIEW DATE: 3/24/92

DENNIS FREITAS
682-0275(FAX 682-3607)
PO#21229

PCB ANALYSIS OF SOLIDS
BY EPA METHODS 3540 AND 8080

SAMPLE ID:	CCC9
OAL ID: 25-I335-	03287
SAMPLE DATE:	3/18/92
MATRIX:	SOIL
EXTRACTION DATE:	3/19/92
ANALYSIS DATE:	3/20/92
PCB MG/KG	ND
SURR.RECOVERY %	101.
ANALYST:	DM

ND = NONE DETECTED(<0.05 MG/KG)

NA = NOT ANALYZED

MI = MATRIX INTERFERENCE WITH SURROGATE RECOVERY

SURROGATE(S) USED: TETRACHLORO-M-XYLENE AND/OR DECACHLOROBIPHENYL

OREGON ANALYTICAL LABORATORY

A Division of Portland General Electric

14855 S.W. Old Scholls Ferry Road

Beaverton, OR 97007

Phone 503-644-5300 • Fax 503-671-1404



Oregon
Analytical
Laboratory

14855 S.W. Old Schulls Ferry Rd.
Beaverton, Oregon 97007
(503) 644-5300
FAX (503) 671-1404

CHAIN OF CUSTODY RECORD LABORATORY ANALYSIS REQUEST

Page ___ of ___

Client Information
Company O'Sullivan Petroleum Project Name Clackamas Comm College Sampler's Name Dennis Freitas
Contact Dennis Freitas Project Number 2291-020 Signature _____
Phone # 682-0275 P.O. Number 21229 Sampling Date _____
Provide Verbal Results ☐ Yes ☐ No Comments 5 day turn Received @ 4°C ☒ Yes ☐ No
Provide FAX Results ☐ Yes ☐ No Appropriate Containers ☒ Yes ☐ No

SAMPLE #	SAMPLE DESCRIPTION	DATE	TIME	OAL #	MATRIX			ANALYSES														RUSH	REMARKS
					Soil	Water	Other	TPH-HCID OAR/DEQ	TPH-G OAR/DEQ	TPH-D OAR/DEQ	TPH 418.1 MOD OAR/DEQ	TPH 418.1	BTEX 602/8020	Volatiles 624/8240	Semivolatiles 625/8270	Halogenated Volatiles 601/8010	Chlorinated Paraffins 605/8050	PCB 608/8080	TCLP (6) Metals				
1	CLL9 Waste oil tank	3/18/92		25233503287	X																		
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							

Signature Dennis P. Freitas Date 3-18-92
Print Name Dennis P. Freitas Time 3:06 PM
Company O'Sullivan Petroleum
Received
Signature Steven R Anderson Date 3/18/92
Print Name Steven R Anderson Time 3:09 PM
Company OAL

Signature _____ Date _____
Print Name _____ Time _____
Company _____
Received
Signature _____ Date _____
Print Name _____ Time _____
Company _____

Signature _____ Date _____
Print Name _____ Time _____
Company _____
Received
Signature _____ Date _____
Print Name _____ Time _____
Company _____

TELEPHONE USE REPORT

CALL FROM/TO: George Simis DATE: 5-6-92
 COMPANY/TITLE: _____ TIME: _____
 PHONE NO.: _____ (Circle for filing)
 CITY: _____ COUNTY: _____
 AQ Asbestos
 WQ OSS
 SW HW
 General Spill

SUMMARY OF CALL:

I asked George to ^① send sample results for sample
 taken on Dec 16th.
 ② address the solvent: low concentrations
 ③ send PCB results
 ④ when they do confirmatory testing of the
 aerating soil; they will need to run TPH-G + 418.
 George said he would follow up with O'Sullivan

need confirmatory testing

Shaul A. Monos
 Signature



Monroe

March 30, 1992

Shela Monroe
DEQ-UST
811 SW Sixth Avenue
Portland, OR 97204

RE: UST-Clackamas County
Site Name: Clackamas Community College (6578)
File No. 03-91-342

Dear Ms. Monroe:

This is in response to your letter of March 5, 1992 for information and a update of our contaminated soil at our location.

A sample of contaminated soil was taken by O'Sullivan Petroleum Equipment Company on March 18, 1992 to be tested for PCB's by the testing firm that they use; I have not heard the results of the test to date.

The other information your department has requested is enclosed and if any other information is needed, let me know.

Sincerely,

A handwritten signature in red ink that reads "George W. Sims".

George W. Sims
Environmental Safety Specialist
Clackamas Community College

GWS/mc
Enc.

DEPT OF ENVIRONMENTAL QUALITY
RECEIVED

APR 01 1992

NORTHWEST REGION

MATRIX CHECKLIST

- ☒ 1. The release of petroleum has been reported to the Department of Environmental Quality (220).
- ☒ 2. The Matrix Score Sheet has been completed for this site, unless the site is cleaned up to the most stringent cleanup level (320).
- ☒ 3. The required hydrocarbon identification test (TPH-HCID) has been performed (335(3)), and, if detectable levels were found, the appropriate analytical method or methods have been used to measure the levels of contamination (350).
- ☒ 4. A sketch has been made of this site (345(1)) which clearly shows:
 - ☒ a. The location of all buildings and other key features, both man-made and natural;
 - ☒ b. The names of adjacent streets and properties;
 - ☒ c. The location of all excavations including those that were for the removal of tanks and associated piping as well as those that were strictly for the removal of contaminated soils;
 - ☒ d. The location of all product storage tanks, lines and dispensers, including those that were decommissioned as well as those that remain on the site; and
 - ☒ e. All soil and water sample locations.
- ☒ 5. If any contaminated soil in excess of matrix limits has been left on site, the reason for leaving this soil has been explained and the requirements of 355(4) have been met.
- ☒ 6. If water was present in the tank pit, the Department was notified, the water was pumped from the pit, and the requirements of 340(4) have been met.
- ☒ 7. All soil and/or water samples have been collected, coded, stored and shipped as specified in the rules, and proper chain-of-custody forms have been filled out (345).
- ☒ 8. If a release from a waste oil tank was discovered, at least one sample has been analyzed by the methods specified in 350(5).
- ☒ 9. If a tank was decommissioned in place, the Department gave prior approval for a site-specific sampling plan (340(5)).
- ☒ 10. A report has been prepared which includes a detailed description of everything that was observed and performed at the site, contains all of the information required by the rules (360), and presents findings and recommendations which are consistent with Departmental regulations.

MATRIX SCORE SHEET

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

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

Oregon Department of Environmental Quality
UNDERGROUND STORAGE TANK DECOMMISSIONING CHECKLIST

DEQ FACILITY NUMBER: 6578

DATE: 1/6/92

FACILITY NAME: Clackamas Community College

FACILITY ADDRESS: 19600 South Mollalla Avenue

Oregon City, OR 97045

PHONE: 657-6958

A. SAFETY EQUIPMENT ON JOB SITE:

Fire Extinguisher: Type/Size: Kidde 340

Recharge Date: 7/91 ^{purchase}

Combustible Gas Detector: Model: Gastex 1314 SMPM

Calibration Date: 6/91

Oxygen Analyzer: Model: Gastex 1314 SMPM

Calibration Date: 6/91

B. DECOMMISSIONING: All Tanks: (Unk. = Unknown, N/A = Not Applicable)
 (Check Appropriate Box)

1. All electrical equipment grounded and explosion proof?
2. Safety equipment on job site?
3. Overhead electrical lines located?
4. Subsurface electrical lines off or disconnected?
5. Natural gas lines off or disconnected?
6. No open fires or smoking material in area?
7. Vehicle and pedestrian traffic controlled?
8. Excavation material area cleared?
9. Rainwater runoff directed to treatment area?
10. Drained and collected product from lines?
11. Removed product and residual from tank?
12. Cleaned tank?
13. Excavated to top of tank?
14. Removed tank fixtures? (pumps, leak detection equip.
15. Removed product, fill and vent lines?

Yes	No	Unk	N/A
✓			
✓			
✓			
✓			
	✓		
✓			
			✓
✓			
✓			
✓			
✓			
✓			

C. TANK ABANDONMENT IN-PLACE:

16. Sampling plan approved by DEQ?

Date: _____ DEQ Staff: _____

--	--	--	--

B. DECOMMISSIONING: All Tanks: () = Unknown, N/A = Not Applicable
(Check Appropriate Box)

Yes	No	Unk	N/A
		✓	

17. Contamination concerns fully resolved?

18. Fill Material? Type: _____

D. TANK REMOVAL:

19. Tank placement area cleared, chocks placed?

20. Purged or ventilated tank to prevent explosion?

Method used: Dry Ice Meter reading: LEL 0.6

21. No chains or steel cables wrapped around tank for removal?

22. Tank removed, set on ground, blocked to prevent movement?

23. Tank set on truck and secured with strap(s)?

24. Tank labeled before leaving site?

✓			
✓			
	✓		
✓			
✓			

E. SITE ASSESSMENT:

25. Site assessed for contamination? See OAR 340-122-340

26. Soil samples taken and analyzed?

27. Decommissioning/Change-in-Service report sent to DEQ?

28. Was contamination found? Date/Time: 9/4/91

29. Was contamination reported to DEQ? By: Win Brown
Date/Time: 9/6/91 DEQ Staff: Loren Garner

30. Was hazardous waste determination made for tank contents (Liquids/sludges)?

✓			
✓			
✓			
✓			
✓			

31. Disposal location of tank(s) contents.

Name: Spencer Environmental

Date: 9/4/91

Address: _____

Attach disposal receipt.

32. Disposal or recycling location of removed tank(s) and associated piping.

Name: Mt Hood Metals

Date: 9/5/91 - 9/6/91

Address: 9645 N. Columbia Blvd
Portland, OR 97283

Attach disposal receipt.

33. If tank(s) are intended to be reused, identify new tank site.

Name: _____

Date: _____

Address: _____

Purpose of Reuse: _____

F. WORK PERFORMED BY:

DEQ Service Provider's License #: 10667
Name: O'Sullivan Petroleum
Telephone: (503) 682-0275

DEQ Decommissioning Supervisor's License #: 1323
Name: Clifford R Bowers
Telephone: (503) 682-0275

E. CHECKLIST FILING:

1. Provide copy of checklist to the UST owner and operator.
2. Send completed checklist to the DEQ headquarters within 30 days after the excavation is backfilled.

NOTE: If contamination was found during decommissioning and reported to DEQ regional office, this report may be submitted with either the first interim cleanup report or the final cleanup report, whichever is first.

Send Completed Form to: Department of Environmental Quality
UST Program - Decommissioning Checklist
811 S.W. Sixth Ave.
Portland, Oregon 97204

I have personally reviewed this decommissioning checklist and find it to be true and complete.

Signature: Clifford R Bowers Date: 1/6/92
(Licensed Supervisor)

Signature: _____ Date: _____
(Owner or Operator)

For information: (503) 229-5559 or Toll Free in Oregon 1-800-452-4011

09/13/91 14:42 FAX 206 621 8568

O'SULLIVAN CONST →→→ OREGON

001/001

472420
L-3R 654.00

INVOICE

0858

**SPENCER
ENVIRONMENTAL SERVICES, INC.**

15770 South Beaver Glen Drive
OREGON CITY, OREGON 97045

(503) 655-0896
EPA ID #ORD-980-836-415

JOB PHONE	DATE OF ORDER 9-4-91
JOB NAME/LOCATION Clackamas Community College	
Clackamas, OR	

TO O'SULLIVAN

3214 S.W. 16th Ave

Seattle, WA 98134

1½% 10 Days 9-9-91 Billing Date

TERMS: Net 30 Days

PHONE

ORDER TAKEN BY

DESCRIPTION

AMOUNT

Triple rinsed

1-10,000 gal diesel tank

200	00
-----	----

~~2-3,000 gallon gas tanks~~

400	00
-----	----

Disposal:

108 gallons X .50 per gallon

54	100
----	-----

Signature certifies
with hazardous wa

A FINANCIAL CH
Past Due Account
action is necessa
attorney's fees.

LABC

#10

WORK ORDERED BY

Thank 'Y

It's been mixed

Due amount
side collection
ing reasonable

TAL MATERIAL

TOTAL LABOR

TAX

HIS AMOUNT -

654	00
-----	----

EPA #ORD 981771264

PUC #029039

This Shipping Order

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Clarkson College

O'Sullivan Const. Clark-Comm College

Cefy

NORTHWEST FIELD SERVICES, INC.

11910 NW St. Helens Rd.

Portland, OR 97231

Shipper No. 4188

Carrier No. B 2272

Date 9-3-91

(Name of Carrier)

TO: Consignee Fuel Processors		FROM: Shipper O'Sullivan Const. Clark-Comm College	
Street 4150 N. Suttle Rd		Street 19600 S. Molalla Ave	
Destination Port Ore Zip Code		Origin Ore City Ore	
Route IS-		Vehicle Number 002	
No. Shipping Units	HM*	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (subject to correction) Rate CHARGES
600		gas Gas-Water-Stop	
		Gas Triple Rinse 2-3K UST's	20083
		H/O 1-1000-UST	
		W/O 1-500-UST	
		VN 1203	

REMIT C.O.D. TO: ADDRESS

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ per _____

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Signature _____

COD

Amt: \$

C.O.D. FEE:

PREPAID ☐ COLLECT ☐ \$

TOTAL CHARGES: \$

FREIGHT CHARGES: FREIGHT PREPAID ☐ Check box if charges are to be collected ☐

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of

all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

CARRIER NORTHWEST FIELD SERVICES, INC.

PER

PER

MIKE

DATE

9-3-91

2

* Hazardous Materials

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

RECEIVING
REPORT

MT. HOOD METALS, INC.
9645 N. Columbia Blvd. • P.O. BOX 83123
PORTLAND, OR 97283-0123
(503) 283-3300

52660

RECEIVED FROM: Win Brown

DATE: 9/6/91

ADDRESS: 09/06/91

DRIVER/PASSENGERS ON 0 1 2 3 4

VEHICLE: 09/06/91
12:51

WEIGHT	DESCRIPTION	PRICE PER TON/LB.	AMOUNT
28840 LB			
25900 LB			
2940			
-200	Drt		
2740	Tanks	30 ⁰⁰ /T	211 ¹⁰
	2 - 3000 gal Tanks		
	From CCC.		

TOTAL _____

CHECKED BY: _____

CK # _____

PD CASH _____

REC'D BY: _____

MT. HOOD METALS, INC.
9645 N. Columbia Blvd. • P.O. BOX 83123
PORTLAND, OR 97283-0123
(503) 283-3300

9645 N. Columbia Blvd. • P.O. BOX 83123

PORTLAND, OR 97283-0123

(503) 283-3300

DATE: _____

1991 52599

ADDRESS: _____

DRIVER/PASSENGERS ON 0 1 2 3 4

VEHICLE:

Handwritten musical notation on a five-line staff. The notation includes various note heads, stems, and beams, typical of a musical score. The ink is dark and the handwriting is somewhat stylized.

10-10-1968

11-5 DESCRIPTION

WEIGHT

12 = 20

54500	1	0	0
-------	---	---	---

44505-15

Tanks

[illegible]**AMOUNT** $3000 \text{ / } \mu\text{m}$

\$ 128.52

11920

Tank from CCC
1-10,000 gal

Thank you!

TOTAL

CHECKED BY:

CK #

PD CASH

REC'D BY:

RECEIVING
REPORT

9645 N. Columbia
PORTLAND, OR 97283-0123
(503) 283-3300

DATE: 11/18/91

RECEIVED FROM: Win Brown

ADDRESS:

DRIVER/PASSENGERS ON 0 1 2 3 4

VEHICLE:

WEIGHT	DESCRIPTION	PRICE PER TON/LB.	AMOUNT
12240	Tanks	1500/T	\$91.89
	Tanks Shipped		
	1000 Gallon - Century Gutter		
	500 Waste Oil - Clackamas Comm College		
	500 Gallon BP 217th - Greenburg		
	500 Gallon		

TOTAL

CHECKED BY: CK # 33143 PD CASH REC'D BY:

INVOICE

90936

SPENCER, INC.
P.O. Box 5207
OREGON CITY, OREGON 97045-8207
FAX: (503) 657-3395

(503) 655-0896
EPA #ORD088590575

JOB PHONE	DATE OF ORDER 11-14-91
JOB NAME/LOCATION 28395 SW Bogert	
Wilsonville, OR	

to O'Sullivan

3214 16th Street

PHONE

Seattle, WA 98134

ORDER TAKEN BY

TERMS: 1 1/4% 10 Days Billing Date 11-22-91
Net 30 Days

DESCRIPTION		AMOUNT	
Pump out and clean w/press. washer.			
3-500 gal waste oil tanks ¹ Clackamas Community College			
1-1000 gal unleaded tank			
4 tanks @ \$200.00 each		800	00
Disposal:			
225 gals on liquid @ .50 per gallon		112	50
23 gals on sludge @ 1.85 per gallon		42	55
A FINANCIAL CHARGE of 1 1/4% per month may be applied to any Past Due amount.			
Past Due Accounts may be placed on C.O.D. without notification. If outside collection action is necessary purchaser shall pay all costs of collection including reasonable attorney fees.			
LABOR	HOURS	RATE	AMOUNT
Kevin #20			
		TOTAL MATERIAL	
		TOTAL LABOR	
WORK ORDERED BY	DATE COMPLETED	TOTAL LABOR	TAX
Thank You		PAY THIS AMOUNT	
		955	05

SIGNATURE (I hereby acknowledge the satisfactory
completion of the above described work.)

Oregon Department of Environmental Quality
UNDERGROUND STORAGE TANK DECOMMISSIONING/SERVICE CHANGE REPORT

DEQ FACILITY NUMBER: 6578

DATE: 1/6/92

FACILITY NAME: Clackamas Community College

FACILITY ADDRESS: 19100 South Mollalla Ave.

Oregon City, OR 97045

PHONE: 657-6958

The following information **MUST** be submitted by the underground storage tank owner, operator or licensed DEQ Supervisor within 30 days following completion of the tank decommissioning or changing tank contents to a non-regulated substance. (OAR 340-150-001 through -150)

The attached supplemental checklist should be prepared by the person performing the decommissioning. The checklist should be provided to DEQ and the tank owner to demonstrate that all required practices were followed.

Ordinarily the checklist is filled out by the DEQ licensed Service Provider or Supervisor. Owners who wish to personally decommission a tank must follow all DEQ and other applicable standards. The owner should contact the DEQ Regional Office prior to starting the decommissioning to receive current copies of underground storage tank regulations.

A. DATES:

Decommissioning/Service Change Notice - Date Submitted: 7/24/91 (30 days before work starts)

Work Start Telephone Notice - Date Submitted: 8/29/91 (3 working days before work starts)

DEQ Person Notified: Catherine Blaine

Date Work Started: 9/3/91

Date Work Completed: 12/20/91

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

Date Contamination Reported: 9/6/91 By: Win Brown

DEQ Person Notified: Loren Garner

Backfill Telephone Notice - Date Called: _____ (before backfilling)

DEQ Person Notified: _____

B. PERMITS:

Note: DEQ permits or an addendum to the UST permit(s) may be needed where soil or water cleanup is required.

DEQ Water Discharge Permit #: _____ Date: _____

Disposed to (Location): _____

DEQ Solid Waste Disposal Permit #: _____ Date: _____

B. PERMITS (Continued)

UST Soil Treatment Permit Addendum - Type: _____ Date: _____

Soil Disposal or Treatment Location: _____

C. TANK INFORMATION:

Tank #	DEQ UST Permit	Tank Size in (Gallons)	Product: Gasoline, Diesel, Used Oil, Other?		Closure or Service Change?			Tank to be Replaced?	
			Present	New	Tank Removal	Closure [∞] Inplace	New [∞] Product	Yes*	No
2	EHAH	550	Waste Oil		✓				✓
3	EHAJ	3000	Gas		✓				✓
4	EHBK	3000	Gas		✓				✓

* Where decommissioned tank(s) are replaced by new underground storage tanks the UST owner or operator must submit a new permit application containing information on the new tanks 30 days before placing them in service.

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

D. DISPOSAL INFORMATION:

Tank #	Tank & Piping Disposal Method				Disposal Location of Tank Contents *	
	Scrap	Land-fill	Other	Identify Location & Property Owner	Liquids	Sludges
2	✓			Mt Hood Metals	NW Field Services	
3	✓			Mt Hood Metals	NW Field Services	
4	✓			Mt Hood Metals	NW Field Services	

* Note: The tank contents, the tank and the piping may be subject to the requirements of Hazardous Waste regulations. If you have questions, contact the DEQ Hazardous Waste Section at (503) 229-5913 or DEQ regional office hazardous waste staff.

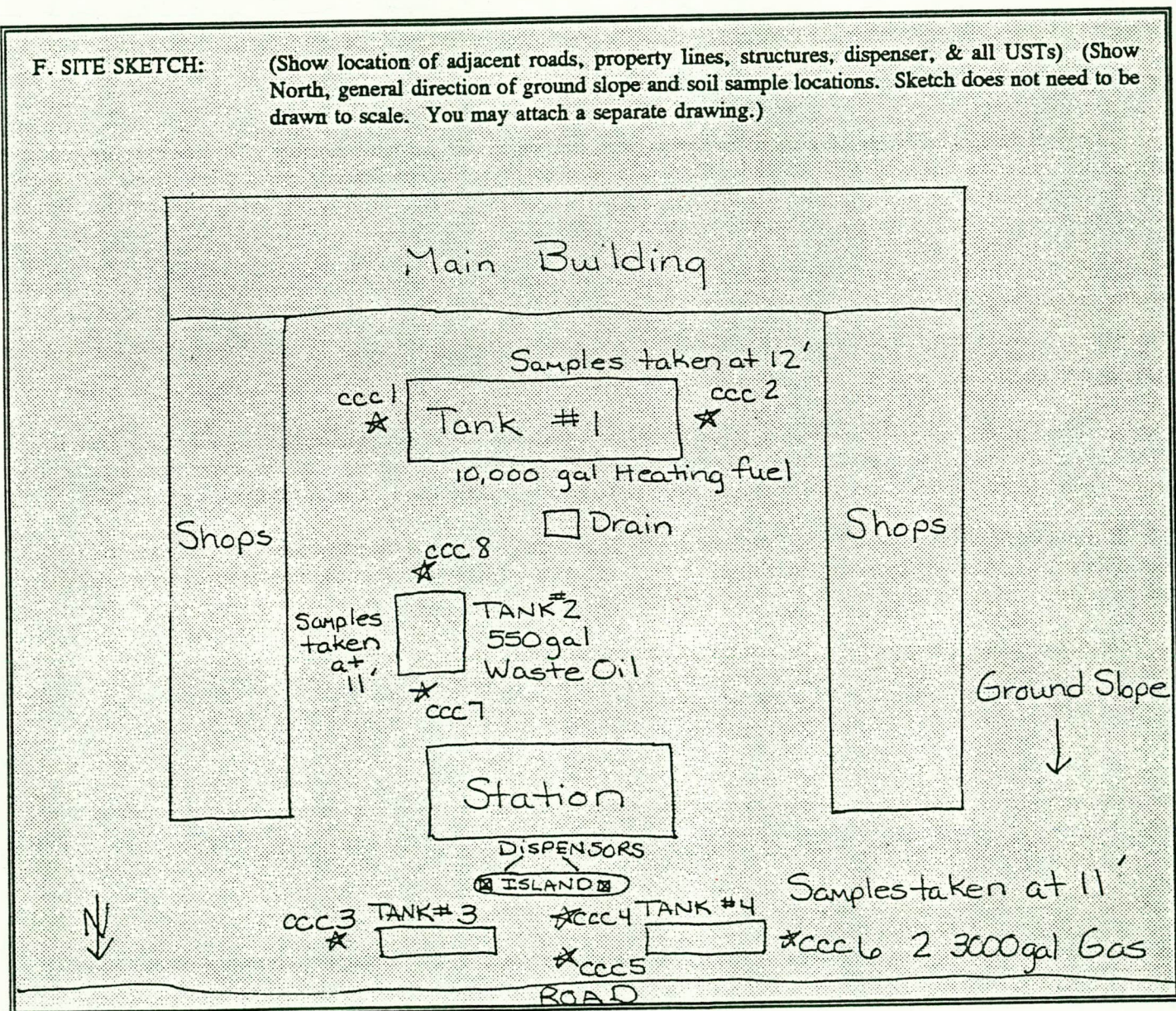
E. CONTAMINATION INFORMATION

Tank #	Groundwater in pit?	Product odor in soil?	Product stains in soil?	Number of Samples	Laboratory (Name, City, State, Phone)
2	No	Yes	Yes	2	Haymond Assoc. P4ld, OR 223-2737
3	No	No	No	2	" " "
4	No	No	No	2	" " "
1	No	No	No	2	" " "

* Note: Sampling is required if groundwater is encountered. See cleanup rules.

F. SITE SKETCH:

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



* = location of Samples

G. WORK PERFORMED BY:

DEQ Service Provider's License #: 10667 Construction Contractors License #: 64201

Name: O'Sullivan Petroleum

Telephone: (503) 682-0275

DEQ Decommissioning Supervisor's License #: _____

Name: Cliff Bowers Clifford Q. Bowers

Telephone: 682-0275

DEQ Soil Matrix Service Provider's License #: _____ (If applicable)

Name: _____

Telephone: _____

DEQ Soil Matrix Supervisor's License #: _____ (If applicable)

Name: _____

Telephone: _____

H. ATTACHMENTS TO THIS REPORT:

1. Attach a copy of the laboratory report showing the results of all tests on all soil and water samples. The laboratory report must identify sample collection methods, sample location, sample depth, sample type (soil or water), type of sample container, sample temperature during transportation, types of tests, and copies of analytical laboratory reports, including QA/QL information. Include laboratory name, address and copies of chain-of-custody forms.
2. If contamination is detected and a Level 2 or Level 3 soil matrix cleanup standard is selected attach a copy of the soil matrix analysis for the site including methods of determining soil type, depth to groundwater, and sensitivity of uppermost aquifer.

I. REPORT FILING:

This report, signed by the tank owner or operator, complete with all applicable attachments must be filed with DEQ headquarters within 30 days after the excavation is backfilled or change-in-service is complete. Contact the DEQ regional office prior to filing this report where special circumstances exist at the site (such as water in pit, remaining pockets or contamination, etc.).

NOTE: If contamination was found during site assessment at decommissioning or change-in-service and reported to DEQ regional office, this report may be submitted with either the first interim cleanup report or the final cleanup report, whichever is first.

Return Completed Form to: Department of Environmental Quality
UST Program - Decommissioning Report
811 S.W. Sixth Ave.
Portland, Oregon 97204

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

Signature: _____ Date: _____
(Owner or Operator)

For information: (503) 229-5733 or Toll Free in Oregon 1-800-452-4011

July 1, 1991
Oregon DEQ

UST Decommissioning/Change-in-Service Report

Page 4 of 4

Job # 2291 - 020 Tank Location & Soil Sample Location

A = soil samples

Main Building

Shops

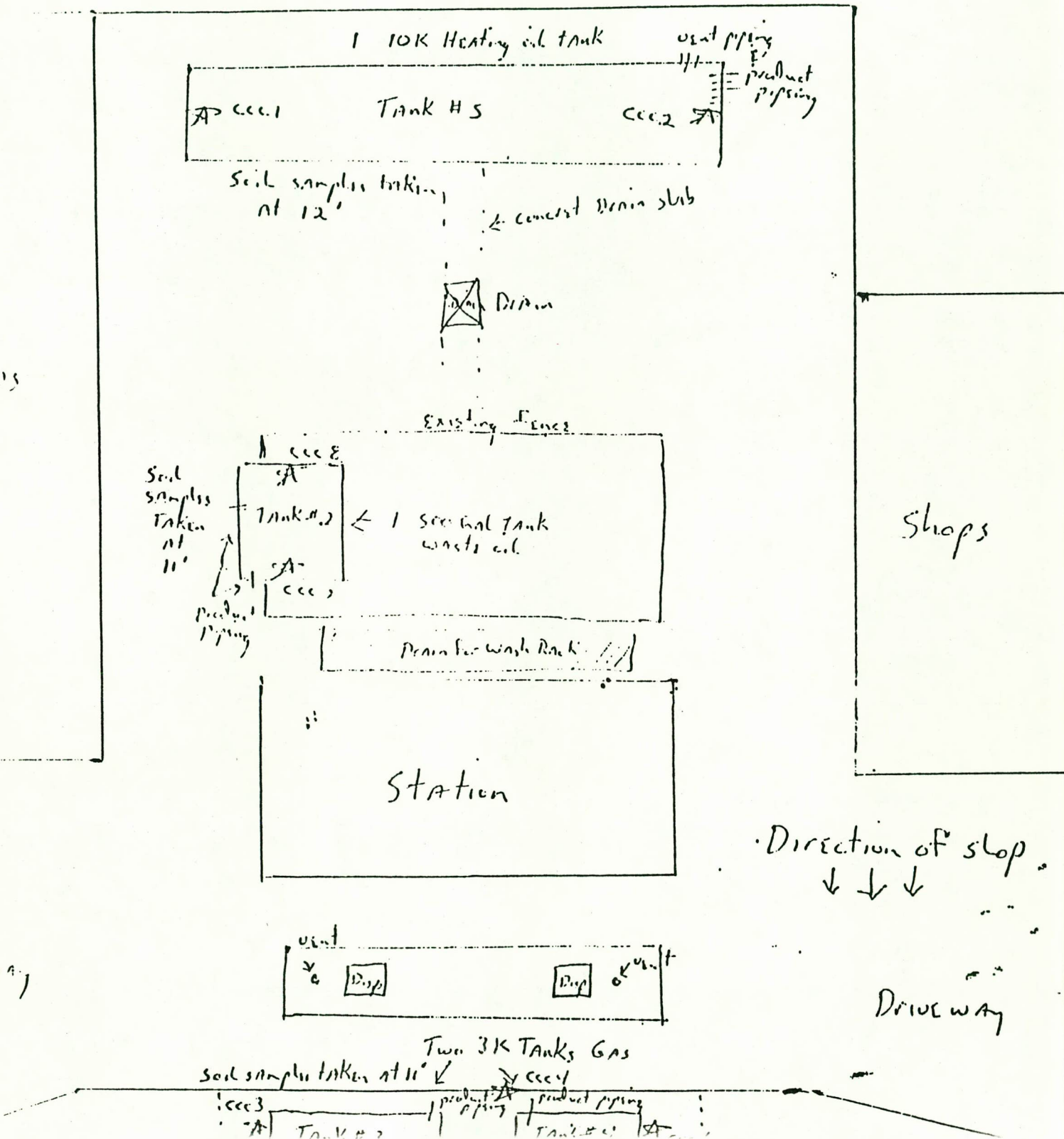
Shops

N
↓

Driveway

Driveway

Direction of slope
↓ ↓ ↓





A DIVISION OF PGE

OREGON ANALYTICAL LABORATORY
14855 SW Old Scholls Ferry Road
Beaverton, OR 97007
(503) 644-5300
Fax: (503) 671-1404

O'SULLIVAN CONSTRUCTION
28395 SW BOBERG RD.
WILSONVILLE, OR. 97070

REVIEWED BY: son
REVIEW DATE: 4/24/91

CHAD WALKER
682-0275(FAX 682-3607)
20140

TCLP-METALS
EPA METHODS 1311, 6010 AND 7470

SAMPLE ID:	CCC7	CCC8
OAL ID: 25-1335-	01064	01065
SAMPLE DATE:	9/4/91	9/4/91
MATRIX:	SOIL	SOIL
TCLP-EXTRAC.DATE	09-11-91	09-11-91
ARSENIC	MG/L	MG/L
	<0.10	<0.10
BARIUM	MG/L	MG/L
	1.48	1.41
CADMIUM	MG/L	MG/L
	<0.10	<0.10
CHROMIUM	MG/L	MG/L
	<0.10	<0.10
LEAD	MG/L	MG/L
	0.15	<0.10
MERCURY	MG/L	MG/L
	<0.010	<0.010
SELENIUM	MG/L	MG/L
	<0.10	<0.10
SILVER	MG/L	MG/L
	<0.10	<0.10

METAL	REGULATORY LIMIT(MG/L)
*****	*****
ARSENIC	5.0
BARIUM	100.0
CADMIUM	1.0
CHROMIUM	5.0
LEAD	5.0
MERCURY	0.2
SELENIUM	1.0
SILVER	5.0

HAYMOND & ASSOCIATES INC.

ENVIRONMENTAL SCIENTISTS

1128 S.W. 13TH, PORTLAND, OR 97205
(503) 223-2737 FAX: 223-6168

September 5, 1991

Page 1 of 2

O'Sullivan Construction
28395 S.W. Boberg Rd.
Wilsonville, OR 97070

PROJECT NAME/SITE: Clackamas Community College

PO #: 20086
PROJECT #: 2291-020

(LAB FILE: O'SULL18.DOC)

LAB ID/ FIELD ID:

1812/ CCC 1 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy oil not detected by TPH-HCID
Extract surrogate recovery was 96%

1813/ CCC 2 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy oil not detected by TPH-HCID
Extract surrogate recovery was 83%

1814/ CCC 3 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy oil not detected by TPH-HCID
Extract surrogate recovery was 107%

1815/ CCC 4 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy oil not detected by TPH-HCID
Extract surrogate recovery was 61%

1816/ CCC 5 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy oil not detected by TPH-HCID
Extract surrogate recovery was 109%

1817/ CCC 6 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy oil not detected by TPH-HCID
Extract surrogate recovery was 98%

CONTINUED

O'Sullivan Construction
28395 SW Boberg Road
Wilsonville, OR 97070

Attn: Chad Walker

Volatiles
by EPA Method 8240

Matrix:	Soil	Soil	Matrix	Detection
Sample ID:	CCC-7	CCC-8	Blank	Limit
OAL ID: 25-I335-	01064	01065	MB0911A	
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Bromodichloromethane	ND	ND	ND	5.
Bromoform	ND	ND	ND	5.
Bromomethane	ND	ND	ND	10.
Carbon tetrachloride	ND	ND	ND	5.
Chlorobenzene	ND	ND	ND	5.
Chloroethane	ND	ND	ND	10.
2-Chloroethyl vinyl ether	ND	ND	ND	10.
Chloroform	ND	ND	ND	5.
Chloromethane	ND	ND	ND	10.
Dibromochloromethane	ND	ND	ND	5.
1,2-Dichlorobenzene	ND	200.	ND	5.
1,3-Dichlorobenzene	ND	310.	ND	5.
1,4-Dichlorobenzene	ND	210.	ND	5.
Dichlorodifluoromethane	ND	ND	ND	5.
1,1-Dichloroethane	ND	ND	ND	5.
1,2-Dichloroethane	ND	ND	ND	5.
1,1-Dichloroethene	ND	ND	ND	5.
trans-1,2-Dichloroethene	ND	ND	ND	5.
1,2-Dichloropropane	ND	ND	ND	5.
cis-1,3-Dichloropropene	ND	ND	ND	5.
trans-1,3-Dichloropropene	ND	ND	ND	5.
Methylene chloride	320.	ND	200.	5.
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.
Tetrachloroethene	ND	ND	ND	5.
1,1,1-Trichloroethane	ND	ND	ND	5.
1,1,2-Trichloroethane	ND	ND	ND	5.
Trichloroethene	ND	ND	ND	5.
Trichlorofluoromethane	ND	ND	ND	5.
Vinyl chloride	ND	ND	ND	10.

Surrogate Recovery:

d4-1,2-Dichloroethane	89%	MI	128%
Bromofluorobenzene	MI	MI	110%

ND = None Detected

MI = Matrix Interference

NOTE: The actual detection limit for sample CCC-8 (OAL number 25-I336-01065) is 20 times higher than the reported detection limit due to the necessary dilution of the sample. The small amount of methylene chloride found in the sample is probably due to laboratory contamination.



A DIVISION OF FGE

OREGON ANALYTICAL LABORATORY
14855 SW Old Scholls Ferry Road
Beaverton, OR 97007
(503) 644-5300
Fax: (503) 671-1404

O'SULLIVAN CONSTRUCTION
28395 SW BOBERG RD.
WILSONVILLE, OR. 97070

REVIEWED BY: SON

REVIEW DATE: 9/24/91

CHAD WALKER
682-0275 (FAX 682-3607)
20140

HALOGENATED VOLATILE ORGANICS
BY EPA METHOD 8010 & 8240

SAMPLE ID:	CCC7	CCC8
OAL ID: 25-1335-	01064	01065
SAMPLE DATE:	9/9/91	9/9/91
MATRIX:	SOIL	SOIL
EXTRACTION DATE:	9/11/91	9/11/91
ANALYSIS DATE:	9/11/91	9/11/91
ANALYTE:	ATTACHED	ATTACHED
QUANTIFICATION:	ATTACHED	ATTACHED
SURR. RECOVERY %	ATTACHED	ATTACHED
ANALYST:	DPH	DPH

ND = NONE DETECTED

MI = MATRIX INTERFERENCE WITH SURROGATE RECOVERY

WATER MATRIX UNITS ARE UG/L

SOIL MATRIX UNITS ARE UG/KG

HAYMOND & ASSOCIATES, INC.

ENVIRONMENTAL SCIENTISTS

1128 S.W. 13TH, PORTLAND, OR 97205
(503) 223-2737 FAX: 223-6168

September 5, 1991

Page 2 of 2

O'Sullivan Construction
28395 S.W. Boberg Rd.
Wilsonville, OR 97070

PROJECT NAME/SITE: Clackamas Community College

PO #: 20086
PROJECT #: 2291-020

(LAB FILE: O'SULL18.DOC)

LAB ID/ FIELD ID:

(CONTINUED)

1818/ CCC 7

SOIL

Gasoline fraction identified by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy oil detected by TPH-HCID

1827 mg/kg Total Petroleum Hydrocarbon by TPH-418.1

1819/ CCC 8

SOIL

Gasoline fraction identified by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy oil not detected by TPH-HCID

1119 mg/kg Total Petroleum Hydrocarbon by TPH-418.1

TPH-HCID Parameters:

- 1) If possible, identification is by comparison to reference chromatograms. If identification can not be made by comparison, then compounds from C₆ to C₁₀ are called "Gasoline"; from C₁₁ to C₂₈ are called "Diesel"; and C₂₉ and beyond are called "Heavy Oil".
 - 2) The reporting limit for Gasoline is 20 mg/kg.
 - 3) The reporting limit for Diesel is 50 mg/kg.
 - 4) The reporting limit for Heavy Oil is 50mg/kg.
- BTEX (602/8020) Parameters for Water
- 1) The detection limit for Benzene, Toluene, Ethylbenzene and each Xylene is 3ug/l (ppb).
 - 2) The laboratory blank showed no BTEX.
 - 3) Duplicate analysis agreed to within 15%.
- BTEX (602/8020) Parameters for Soil
- 1) The detection limit for Benzene, Toluene, Ethylbenzene and each Xylene is .1 mg/Kg
 - 2) The laboratory blank showed no BTEX.
 - 3) Duplicate analysis agreed to within 15%.

TPH-G Parameters:

- 1) Duplicate analyses agree to within 10%.
 - 2) The reporting limit is 10 mg/kg.
 - 3) Laboratory blank showed no gasoline.
- TPH-418.1 Parameters for Soil
- 1) The detection limit for TPH is 2 mg/kg.
 - 2) The limit of quantitation is 6 mg/kg.
 - 3) The laboratory blank showed no detected TPH.
- TPH-418.1 Parameters for Water
- 1) The detection limit for TPH is .1 mg/l.
 - 2) The limit of quantitation is .3 mg/l.
 - 3) The laboratory blank showed no detected TPH.

(503) 223-2737 FAX: 223-6168

TODAY'S DATE: 9-9-91

PROJECT # 2291-020

PROJECT NAME: Clackamas Col.

P.O. # 20086

COMPANY NAME:

O'Sullivan Const

PHONE:

6820275

REPORT ATTENTION:

Chad

FAX:

682 3607

SAMPLES COLLECTED BY:

Cliff Bowers

DATE COLLECTED:

9-9-91

RELINQUISHED BY:

Win Brown

DATE TIME

9-7-91 1800 HRS

RECEIVED BY:

DATE/TIME

RELINQUISHED BY:

DATE/TIME

RECEIVED BY LAB:

REIVED BY LAB: Carolin C. Chan

DATE/TIME

۱۹۱۵

5. 5. 10

REMARKS:

EXPRESS UPS MAIL CXL GREY TAXI CAB

SHADED AREA FOR LABORATORY USE ONLY

PINK COPY - CLIENTS CO:

CHAIN OF CUSTODY INSTRUCTIONS ON BACK:

Company O'Sullivan Construction
 Name Chad Walker
 Phone # 682-0275

Project Name Blackman's Comm. College
Project Number 2291-020
P.O. Number 20140

Sampler's Name Cliff Bowers
Signature _____
Sampling Date _____

Provide Verbal Results ☒ Yes ☐ No
Provide FAX Results ☒ Yes ☐ No

Comments _____

Received @ 4°C ☒ Yes ☐ No
Appropriate Containers ☒ Yes ☐ No

[illegible]

Received	Date
Had A. Walker	9/7/91
	Time
	8:45
Received	Date
David C. Plath	9/7/91
D.C. Plath	Time
	8:45
MAZ	

Subcontractor	
Signature	Date
Print Name	Title
Company	
Master Vendor	
Signature	Date
Print Name	Title
Company	

Subcommittee	
Signature	Date
Print Name	Title
Company	

Subcommittee	
Signature	Date
Print Name	Title
Company	

TELEPHONE USE REPORT

CALL FROM/TO: George Sims

DATE: 3-17-92

COMPANY/TITLE: Clackamas Co. College

TIME: 13:05

PHONE NO.: _____

(Circle for filing)

CITY: _____ COUNTY: _____

AQ Asbestos

WQ OSS

SW HW

General Spill

SUMMARY OF CALL:

George was calling to see if they needed
to test for PCB's. I said yes, since
a waste oil tank had leaked. George said
that they were doing the sampling.

Shirley A. Monroe

Signature



Dept. of Environmental Quality
RECEIVED
MAR 11 1992

March 6, 1992

NORTHWEST REGION

Shela Monroe
DEQ-UST
811 SW Sixth Avenue
Portland, OR 97204-1390

RE: UST-Clackamas County
Site Name: Clackamas Community College
File No. 03-91-342

Dear Ms. Monroe:

This is in response to your request for information and update on our contaminated soil and how the management of the soil is handled.

The soil came from the waste oil tank site, it has been placed at another site on campus and is on plastic and is covered. The soil has been covered for the last four months and will be uncovered when the weather permits. The soil is checked at least every two weeks, or more often if it has been windy.

The attached campus map shows where the soil was placed on campus.

I hope this information is what you need for your files. If more information is needed, please call and let me know.

Sincerely,

A handwritten signature in dark ink, appearing to read "George W. Sims", with a long horizontal flourish extending to the right.

George W. Sims
Environmental Safety Specialist
Clackamas Community College

GS/mc
Att.

Campus Map

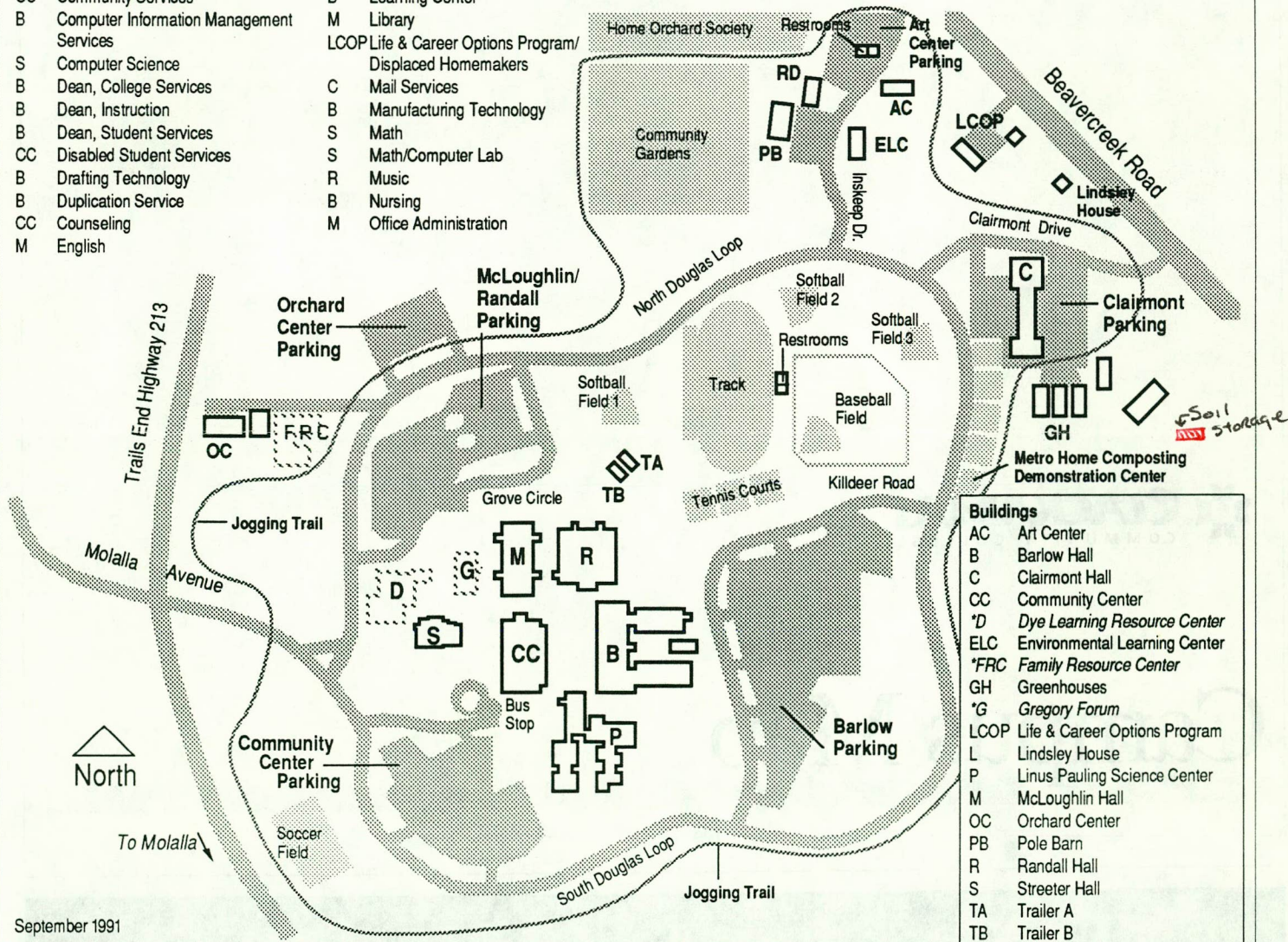
Departments & Offices

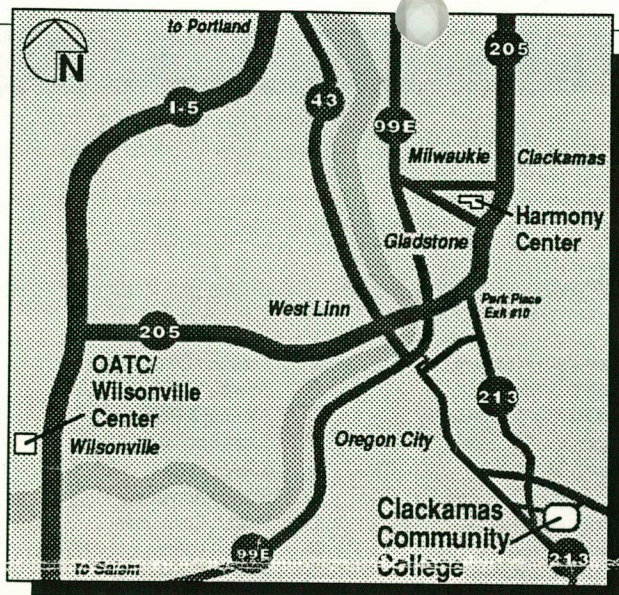
B ABE/GED
B Administration
CC Admissions and Registration
B Apprenticeship Program
AC Art
CC Assessment/Counseling
R Athletics
B Automotive
M Bookstore
M Business Administration
B Business Office
CC Cafeteria
CC Career Planning
CC Cashier
OC Child Care Center
R Community Recreation
CC Community Services
B Computer Information Management Services
S Computer Science
B Dean, College Services
B Dean, Instruction
B Dean, Student Services
CC Disabled Student Services
B Drafting Technology
B Duplication Service
CC Counseling
M English

ELC Environmental Learning Center
CC Evening & Saturday Office
M Family & Human Services
CC Financial Aid
CC Food Service
B Foundation Office
R Game Room
CC Graduation Evaluation
R Gym
CC Health Information
B Human Resources/Personnel
B Industrial Programs
CC Information Center
B Institutional Advancement
M Instructional Media Services
M International Education
C Law Enforcement
B Learning Center
M Library
LCOP Life & Career Options Program/
Displaced Homemakers
C Mail Services
B Manufacturing Technology
S Math
S Math/Computer Lab
R Music
B Nursing
M Office Administration

C Ornamental Horticulture
B Parts Merchandising
P Linus Pauling Center Gallery
B Personnel
R Physical Education
B Physical Plant Operations
B Plant Services
B President's Office
TB The PRINT Newspaper
C Printing Office
B Professional Skills Training Program
B Public Information
C Public Safety Office
B Publications
B Purchasing
ELC Recycling Depot

B Research Office
P Science
C Shipping & Receiving
B Social Science
M Speech
CC Student Activities
CC Student Government
B Student Loans
TB Student Publications
B Telecommunications
M Telecourses
CC Testing Office
M Theatre
B Tutoring Services
CC Veterans Office
P Water Quality Technology
L Young Parent Opportunity Program





◁ How to Get to Campus

Clackamas Community College
19600 South Molalla Avenue, Oregon City

503-657-8400

Wilsonville Business Center
9780 SW Hillman Court, Bldg. C8, Suite 830, Wilsonville

extension 609

Harmony Center
7616 SE Harmony Road, Milwaukie

extension 216

- Employee & Management Development
- Small Business Development Center
- Targeted Learning Center
- Continuing Education
- Office Specialist Program



Campus Map

OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND STORAGE TANK PROGRAM

Dept. of Environmental Quality

RECEIVED
MAR 11 1992

PERMIT ADDENDUM FOR
PETROLEUM CONTAMINATED SOILS MANAGEMENT
ON-SITE AT FACILITY ADDRESS LISTED BELOW

NORTHWEST REGION

1. PLEASE FILL OUT ALL PAGES TO THE BEST OF YOUR ABILITY AND SEND TO THE APPROPRIATE REGIONAL OFFICE. (See back for mailing addresses and phone numbers)
2. PLEASE PRINT CLEARLY AND PROVIDE ALL THE NECESSARY SIGNATURES
3. PLEASE CONTACT THE REGIONAL OFFICE FOR ASSISTANCE.

DEQ UST FACILITY: (LOCATION OF TANK
DECOMMISSIONING AND SOURCE OF SOILS.)

DEQ FACILITY NUMBER 6578

NAME Clackamas Comm. College

ADDRESS 19600 So. Molalla Ave.

CITY Oregon City ZIP 97045

TANK OWNER

NAME Carol Patterson

ADDRESS 19600 So. Molalla Ave.

ADDRESS _____

PHONE 657-6958 x2624

SIGNATURE Carol Patterson

PROPERTY OWNER

NAME Gary Dirrim

ADDRESS 19600 So. Molalla Ave.

ADDRESS _____

PHONE 657-6958 X 2222

SIGNATURE Gary Dirrim

PERMITTEE

NAME George W. Sims

ADDRESS 19600 So. Molalla Ave.

ADDRESS _____

PHONE 657-6958 X 2632

SIGNATURE George W. Sims

REGIONAL DEQ OFFICES

NORTHWEST REGION

811 S.W. 6th Ave.
Portland, OR 97204
Phone: Portland 229-5263

WILLAMETTE VALLEY REGION

750 Front St., NE, Suite 120
Salem, OR 97310
Phone: Salem 378-8240

SOUTHWEST REGION

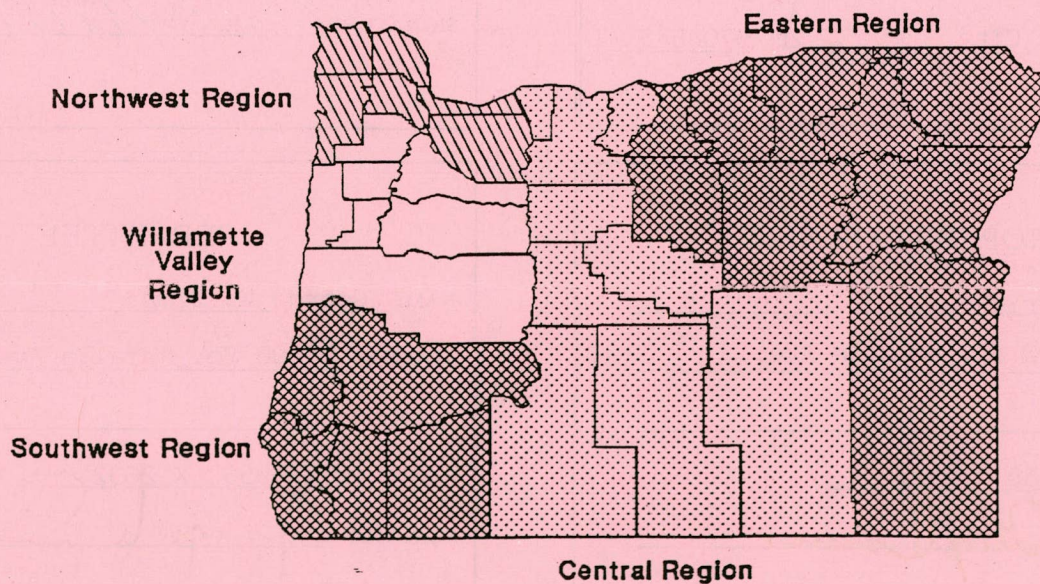
201 W. Main St., Suite 2-D
Medford, OR 97501
Phone: Medford 776-6010

CENTRAL REGION

2146 N.E. 4th
Bend, OR 97701
Phone: Bend 388-6146

EASTERN REGION

700 S.E. Emigrant, Suite 330
Pendleton, OR 97801
Phone: Pendleton 276-4063



Dept. of Environmental Quality
RECEIVED
MAR 11 1992

UNDERGROUND STORAGE TANK PERMIT ADDENDUM

NORTHWEST REGION

UST FACILITY NAME: _____ UST FACILITY ID: _____
UST FACILITY ADDRESS: _____
UST PERMIT NUMBERS: _____
UST PERMIT AMENDMENT EXPIRATION DATE: _____
(THIS BOX FOR DEQ USE ONLY)

PAGE 2 OF 4

MANAGEMENT OF PETROLEUM-CONTAMINATED SOILS

ON-SITE AT FACILITY ADDRESS LISTED ABOVE

PERMIT ADDENDUM APPLICATION DATE: 03-05-92

ESTIMATED VOLUME OF PETROLEUM-CONTAMINATED:
SOIL IN TONS OR CUBIC YARDS 40 cu.yd.

TYPE OF PETROLEUM CONTAMINATION *CHECK ALL APPLICABLE*

☒ GASOLINE ☐ DIESEL
☒ WASTE OIL ☐ HEATING OIL
☐ OTHER PETROLEUM (SPECIFY) _____

APPROXIMATE SIZE OF PROPERTY:
ACRES 175, OR SQUARE FEET _____, OR DIMENSIONS _____

(SIGNATURE OF UST SERVICE PROVIDER)

UST SERVICE PROVIDER LICENSE NUMBER: _____

UST OWNER OR PERMITTEE SHALL
RETAIN A COPY OF THIS RECORD FOR AT LEAST THREE YEARS

UNDERGROUND STORAGE TANK
PERMIT ADDENDUM

UST FACILITY NAME: _____ UST FACILITY ID: _____
UST FACILITY ADDRESS: _____
UST PERMIT NUMBERS: _____
UST PERMIT AMENDMENT EXPIRATION DATE: _____

PAGE 3 OF 4

(THIS BOX FOR DEQ USE ONLY)

MANAGEMENT OF PETROLEUM-CONTAMINATED SOILS
ON-SITE AT FACILITY ADDRESS LISTED ABOVE

SPECIAL PERMIT CONDITIONS:

1. ON-SITE TREATMENT PERFORMANCE STANDARDS:
 - A. NO OBJECTIONABLE ODORS SHALL BE CREATED
 - B. NO FIRE HAZARD SHALL BE CREATED
 - C. SURFACE WATER RUNOFF OR RUN-ON SHALL BE CONTROLLED WITHIN THE TREATMENT AREA
 - D. GROUNDWATER AND SURFACES WATER SHALL BE PROTECTED
 - E. NON-CONTAMINATED SOILS SHALL BE PROTECTED
 - F. APPROPRIATE SITE SECURITY TO PREVENT UNAUTHORIZED ENTRY SHALL BE PROVIDED
2. DESCRIBE ON-SITE TREATMENT PROGRAM IN A WRITTEN, SUBMITTED REPORT WITHIN 30 DAYS OF STARTING CONSTRUCTION AND OPERATION OF ON-SITE TREATMENT PROGRAM. INCLUDE INITIAL PETROLEUM CONTAMINATIONS LEVELS USING SAMPLING PROCEDURES LISTED IN OAR 340-122-305 TO 340-122-360.
3. DEQ MAY REQUIRE WRITTEN PROGRESS REPORTS DOCUMENTING THE REDUCTION IN PETROLEUM CONTAMINATION. THE UST OWNER OR PERMITTEE SHALL PROVIDE A WRITTEN PROGRESS REPORT WITHIN 20 DAYS AFTER A DEQ REQUEST.
4. SUBMIT FINAL WRITTEN REPORT DOCUMENTING FINAL PETROLEUM CONTAMINATION LEVELS AND DISPOSITION OF TREATED SOILS.
5. NO OFF-SITE TREATMENT OR DISPOSAL OF PETROLEUM-CONTAMINATED SOILS IS AUTHORIZED BY THIS PERMIT ADDENDUM.
6. THIS PERMIT ADDENDUM DOES NOT AUTHORIZE THE VIOLATION OF ANY OTHER APPLICABLE STATE, FEDERAL OR LOCAL RULE.
7. DEQ SHALL BE NOTIFIED IF TREATMENT PROGRAM DEVIATES FROM PLAN.

UST OWNER OR PERMITTEE SHALL
RETAIN A COPY OF THIS RECORD FOR AT LEAST THREE YEARS

UNDERGROUND STORAGE TANK PERMIT ADDENDUM

UST FACILITY NAME: _____	UST FACILITY ID: _____
UST FACILITY ADDRESS: _____	PAGE 4 OF 4
UST PERMIT NUMBERS: _____	(THIS BOX FOR DEQ USE ONLY)
UST PERMIT AMENDMENT EXPIRATION DATE: _____	

MANAGEMENT OF PETROLEUM-CONTAMINATED SOILS

ON-SITE AT FACILITY ADDRESS LISTED ABOVE

SPECIAL PERMIT CONDITIONS (CONTINUED):

8. IF ACTUAL VOLUME OF PETROLEUM-CONTAMINATED SOILS EXCEEDS ESTIMATED VOLUME BY 25 PERCENT, DEQ SHALL BE NOTIFIED IN WRITING OF ACTUAL VOLUME DISPOSED OF WITHIN 30 CALENDAR DAYS.

9. BY THEIR SIGNATURES, THE PROPERTY OWNER, TANK OWNER AND PERMITTEE LISTED ON PAGE 1 OF 4 OF THIS PERMIT APPLICATION/ADDENDUM CERTIFY THEY HAVE READ AND UNDERSTAND THE SPECIAL CONDITIONS LISTED IN THIS ADDENDUM.

10. OTHER SPECIAL CONDITIONS: _____

UST OWNER OR PERMITTEE SHALL
RETAIN A COPY OF THIS RECORD FOR AT LEAST THREE YEARS

March 5, 1992

GEORGE SIMS
CLACKAMAS COMMUNITY COLLEGE
19600 S MOLALLA AVENUE
OREGON CITY OR 97045

Re: Clackamas Com. College
File No. 03-91-342

Dear Mr. Sims:

The Department of Environmental Quality has completed our review of the information submitted to-date regarding the underground storage tank (UST) decommissioning and cleanup conducted at your facility located at 19600 S Molalla Avenue, Oregon City, Oregon.

Oregon Administrative Rules (OAR) 340-122-225 (2) and 340-122-23-(2) outline the rules for interim reports of cleanup activities associated with releases from underground storage tanks. Since cleanup is not yet complete, you are required to submit an interim report in order to keep us informed of your progress at the site. The interim report must briefly summarize the actions taken to-date (historical narrative), site conditions (including presence or absence of groundwater, the concentrations of contamination, etc.), and an outline of your planned actions. Include the date you anticipate completing additional investigation and/or cleanup.

Your interim report should clarify testing performed to-date. The Haymond & Associates testing report for September 5, 1991, indicates that gasoline, not heavy oil, was identified in samples ccc 7 and ccc 8. Total Petroleum Hydrocarbons were measured for heavy oil (TPH-418.1) rather than gasoline (TPH-G). Analytical results, chain-of-custody forms, sample locations, etc., for samples taken on December 16, 1991, should also be included.



George Sims
March 5, 1992
Page 2

In addition, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, and 1,4-Dichlorobenzene were detected. Currently, the Department requires cleanup to background concentrations for these compounds. You may perform additional excavation and testing to demonstrate that the site has been cleaned to background levels, or demonstrate to the Department that these compounds do not pose a threat to the environment.

Also, the Department requires PCB testing at waste oil sites. The PCB sample should be retrieved from the most contaminated soil. PCB testing should be performed on sample ccc 7 (if possible), or from stockpiled soil which visually appears the most contaminated, or from a sample retrieved from the bottom of the waste oil tank excavation.

The Department has not received your quarterly report regarding the progress of soil aeration. Generally, soil aeration should be completed and a final report submitted to the Department within one year of beginning the process. If a significant reduction in the total petroleum hydrocarbon (TPH) concentration is not noted within one year, then off-site disposal or alternative treatment of the contaminated soil may be required.

Please submit an interim report which includes the progress of the soil aeration by **March 31, 1992**. Include laboratory results and chain of custody forms for soil samples. If the soil has been removed from the site, provide receipts verifying proper disposal.

Your cooperation in supplying us with this information is appreciated and will help us close your file on this site.

If you have any questions, please call me at 229-5245.

Sincerely,



Sheila A. Monroe
UST Cleanup Specialist
Northwest Region

cc: UST Cleanup Section, ECD
Chad Walker
O'Sullivan Construction
28395 SW Boberg Road
Wilsonville, OR 97070

TELEPHONE USE REPORT

CALL FROM/TO: George Simms DATE: 2-25-92
 COMPANY/TITLE: Clackamas Comm. College TIME: 9:00
 PHONE NO.: 657-6958 (Circle for filing)
 CITY: _____ COUNTY: _____ AQ Asbestos
 WQ OSS
 SW HW
 General Spill

SUMMARY OF CALL:

2-25-92 left message with Maxine Cheney to have George Simms call me.
 2-25-92 (15:45) Mr. Simms is expecting final report from O'Sullivan. Soil is being aerated on site. I said I would send Soil addendum. Asked him about CCC 7 + CCC 8 where Raymond reported gasoline detected + tested for waste oil (4/8.1). He wasn't familiar with testing protocol. The tank was waste oil but gas may have been dumped into it.
 3-4-92. George Simms called to say he will be sending in the soil aeration addendum today.

Shula A Monroe
 Signature

RB3972 (2/86)

where is contaminated soil - on-site aeration
 Testing discrepancies
 closure report
 Testing results from Dec 16, 1991 - description of sampling

O'Sullivan.

UNDERGROUND STORAGE TANK CLEANUP REPORT EVALUATION WORKSHEET

File Number: 03-91-342

Date Evaluated: 2-26-92

Site Name : Clachanias Com. College

Evaluated By: SAM

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

☐ Matrix Evaluation
cleanup level: 1 ☐ 2 ☐ 3 ☐

suspect waste oil

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 1827 ppm

☐ EPA Method 8010 (or 8240): detectable concentrations of — dichlorobenzenes
(hal. vol.)

☐ EPA Method 8020 (or 8240): NA
(BTEX)

☐ EPA Method 8080: NA
(PCB)

☐ TCLP for Cd, Cr, Pb: OK

Groundwater Information

ND

Groundwater

☐ BETX on soil
Highest Results (ppm): B ☐ T ☐ E ☐ X ☐

☐ BETX on H₂O
Highest Result (ppb): B ☐ T ☐ E ☐ X ☐

☐ Sheen on H₂O initially

☐ Sheen after cleanup

☐ PAH analysis on H₂O for diesel or heavier contamination?
Results ppb

General Information

unk Pocket of contamination left in place
— Pocket sampled
 Highest Concentration _____ppm
— Size and extent of the pocket described/defined
— Volume of remaining contamination _____yd³

no Matrix check list enclosed
no Matrix Scoresheet enclosed

no Analytical results for all sampling enclosed
no Test methods appropriate
some Chain-of-custody forms enclosed

yes Site sketch enclosed w/sample locations marked

no Soil permit addendum or soil disposal documentation enclosed

— Onsite treatment
— Offsite treatment
 Site address _____
— Offsite disposal?
 Disposal location _____
Volume of soil excavated _____cu. yds.

yes Tank disposal documentation enclosed
Disposal Location Mt Ford Metal

yes Product, waste water, and sludge (circle appropriate material) disposal receipts enclosed
Disposal location(s) _____

Additional information to request:

Date: February 19, 1992

Responsible Person: Mr. George Sims

Site Name: Clackamas Community College

Site Address: 19600 S. Molalla Ave.
Oregon City 97045

Mailing Address:
(if different)

USTC File Number: 03-91-342

Facility ID No.: 6578

DEPARTMENT OF
ENVIRONMENTAL
QUALITY

We have received a report which was submitted concerning the decommissioning and/or cleanup of petroleum contamination associated with underground storage tank(s) at the above listed facility. Our initial review of this report indicates that the following additional information and/or documentation is needed:

- ☒ A completed Matrix Checklist
 - ☒ A detailed, descriptive narrative of the cleanup activities
 - ☒ A completed Matrix Score Sheet
 - ☒ Copies of chain of custody forms for all samples
 - ☒ Copies of laboratory reports for all samples
- } confirmatory samples for waste oil tank?

Copies of receipts or permits related to disposal, treatment, or recycling of:

- | | |
|---|---|
| ☐ Free product | ☐ Tanks and Piping |
| ☒ Contaminated soil | ☐ Contaminated water |
| ☐ Sludge/tank bottoms | ☐ Soil Aeration Permit |

☐ A site sketch which clearly shows the locations and depths of all samples

☐ For waste oil (from contaminated soil), analytical results for:

- | | |
|--|---|
| ☐ BTEX | ☐ PCB's |
| ☐ Cr, Cd, & Pb by TCLP Method | ☐ Halogenated organics |

Please submit the required information within two weeks of receipt of this letter. This information will help us to complete our review of your cleanup activities. However, you should be aware that more specific information may be requested at a later date, if further review reveals that it is required.

The Department appreciates your cooperation in complying with the underground storage tank regulations. If you have any questions regarding this matter, please contact the Northwest Region at (503) 229-5263.

cc: UST Cleanup Section, ECD

NWR UST Cleanup file

Service Provider:

O'Sullivan Petroleum Equipment Co.
28395 SW Boberg Rd.
Wilsonville OR 97070



811 SW Sixth Avenue
Portland, OR 97204-13
(503) 229-5696
TDD (503) 229-6993
DEQ-1

Oregon Department of Environmental Quality
UNDERGROUND STORAGE TANK DECOMMISSIONING CHECKLIST

DEQ FACILITY NUMBER: 6578

DATE: 1/16/92 Department of Environmental Quality

FACILITY NAME: Clackamas Community College

FACILITY ADDRESS: 19600 South Mollalla Avenue

Oregon City, OR 97045

PHONE: 657-6958

RECEIVED
FEB 1 1992

NORTHWEST REGION

A. SAFETY EQUIPMENT ON JOB SITE:

Fire Extinguisher: Type/Size: Kidde 340

Recharge Date: 7/91 purchase

Combustible Gas Detector: Model: Gastex 1314 SMPM

Calibration Date: 6/91

Oxygen Analyzer: Model: Gastex 1314 SMPM

Calibration Date: 6/91

**B. DECOMMISSIONING: All Tanks: (Unk. = Unknown, N/A = Not Applicable)
 (Check Appropriate Box)**

1. All electrical equipment grounded and explosion proof?
2. Safety equipment on job site?
3. Overhead electrical lines located?
4. Subsurface electrical lines off or disconnected?
5. Natural gas lines off or disconnected?
6. No open fires or smoking material in area?
7. Vehicle and pedestrian traffic controlled?
8. Excavation material area cleared?
9. Rainwater runoff directed to treatment area?
10. Drained and collected product from lines?
11. Removed product and residual from tank?
12. Cleaned tank?
13. Excavated to top of tank?
14. Removed tank fixtures? (pumps, leak detection equip.
15. Removed product, fill and vent lines?

Department of Environmental Quality
RECEIVED
 JAN 29 1992
 BOT #
 UST Compliance Section

Yes	No	Unk	N/A
✓			
✓			
✓			
✓			
	✓		
✓			
			✓
✓			
✓			
✓			
✓			
✓			

C. TANK ABANDONMENT IN-PLACE:

16. Sampling plan approved by DEQ?

Date: _____ DEQ Staff: _____

--	--	--	--

WMS

- NO NARRATIVE
- CORRECT ANALYTICAL
METHODS?

Department of Environmental Quality
RECEIVED
JAN 2 9 1982
UET Compliance Section

B. DECOMMISSIONING: All Tanks: Unk. = Unknown, N/A = Not Applicable)
(Check Appropriate Box)

17. Contamination concerns fully resolved?

18. Fill Material? Type:

Yes	No	Unk	N/A
		✓	

D. TANK REMOVAL:

19. Tank placement area cleared, chocks placed?

20. Purged or ventilated tank to prevent explosion?

Method used: Dry Ice Meter reading: LEL 0.6

21. No chains or steel cables wrapped around tank for removal?

22. Tank removed, set on ground, blocked to prevent movement?

23. Tank set on truck and secured with strap(s)?

24. Tank labeled before leaving site?

✓			
✓			
	✓		
✓			
✓			

E. SITE ASSESSMENT:

25. Site assessed for contamination? See OAR 340-122-340

26. Soil samples taken and analyzed?

27. Decommissioning/Change-in-Service report sent to DEQ?

28. Was contamination found? Date/Time: 9/4/91

29. Was contamination reported to DEQ? By: Win Brown

Date/Time: 9/6/91 DEQ Staff: Loren Garner

30. Was hazardous waste determination made for tank contents (Liquids/sludges)?

✓			
✓			
✓			
✓			
✓			

31. Disposal location of tank(s) contents.

Name: Spencer Environmental

Date: 9/4/91

Address: 15770 South Beaver Glen Dr.

Oregon City, Oregon 97045

Attach disposal receipt.

Northwest Field Serv. 9/3/91
~~4150 N. Sutt~~ Fuel Processors
4150 N. Suttle Rd
Portland, OR

32. Disposal or recycling location of removed tank(s) and associated piping.

Name: Mt Hood Metals

Date: 9/5/91 - 9/6/91

Address: 9645 N. Columbia Blvd

Portland, OR 97283

Attach disposal receipt.

33. If tank(s) are intended to be reused, identify new tank site.

Name:

Date:

Address:

Purpose of Reuse:

F. WORK PERFORMED BY:

DEQ Service Provider's License #: 10667

Name: O'Sullivan Petroleum

Telephone: (503) 682-0275

DEQ Decommissioning Supervisor's License #: 1323

Name: Clifford R Bowers

Telephone: (503) 682-0275

E. CHECKLIST FILING:

1. Provide copy of checklist to the UST owner and operator.
2. Send completed checklist to the DEQ headquarters within 30 days after the excavation is backfilled.

NOTE: If contamination was found during decommissioning and reported to DEQ regional office, this report may be submitted with either the first interim cleanup report or the final cleanup report, whichever is first.

Send Completed Form to:

Department of Environmental Quality
UST Program - Decommissioning Checklist
811 S.W. Sixth Ave.
Portland, Oregon 97204

I have personally reviewed this decommissioning checklist and find it to be true and complete.

Signature: Clifford R Bowers Date: 1/6/92
(Licensed Supervisor)

Signature: _____ Date: _____
(Owner or Operator)

For information: (503) 229-5559 or Toll Free in Oregon 1-800-452-4011

EPA #ORD 981771264

PUC #029039

This Shipping Order

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Clockman College

Call with Job # 2291-020

Copy

NORTHWEST FIELD SERVICES, INC.

11910 NW St. Helens Rd.

Portland, OR 97231

(Name of Carrier)

Shipper No. 4188

Carrier No. B 2272

Date 9-3-91

TO: Consignee Fuel Processors		FROM: Shipper O'Sullivan Coast. Clock-Comm College	
Street 4150 N. Suttle Rd		Street 19600 S. Molalla Ave	
Destination Port Ore Zip Code		Origin Ore City Ore	
Route IS-		Vehicle Number 002	
No. Shipping Units	HM*	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (subject to correction)
			Rate
			CHARGES
600		gas Gas-Water-Slop	
		Gas Triple Rinse 2-3K UST's	20083
		H/O 1-1000-UST	
		W/O 1-500-UST	
		VN 1203	

REMIT
C.O.D. TO:
ADDRESS

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

\$ _____ per _____

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Signature _____

COD

Amt: \$

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor) _____

C.O.D. FEE:

PREPAID ☐ \$COLLECT ☐ \$

TOTAL CHARGES: \$

FREIGHT CHARGES:

FREIGHT PREPAID Check box if charges except when box at right is checked ☐ are to be collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of

all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

PER

CARRIER NORTHWEST FIELD SERVICES, INC.

PER

DATE

MIKE

9-3-91

2

* Hazardous Materials

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

PO # 20084

09/13/91 14:42 FAX 206 621 8568

O'SULLIVAN CONST →→ OREGON

001/001

472420
L-3R 654.00

INVOICE

0858

**SPENCER
ENVIRONMENTAL SERVICES, INC.**

15770 South Beaver Glen Drive
OREGON CITY, OREGON 97045

(503) 655-0896
EPA ID #ORD-980-836-415

JOB PHONE	DATE OF ORDER 9-4-91
JOB NAME/LOCATION Clackamas Community College	
Clackamas, OR	

TO O'SULLIVAN

3214 S.W. 16th Ave

Seattle, WA 98134

1 1/2% 10 Days 9-9-91 Billing Date
TERMS: Net 30 Days

PHONE

ORDER TAKEN BY

DESCRIPTION	AMOUNT	
Triple rinsed		
1-10,000 gal diesel tank	200	00
2-3,000 gallon gas tanks	400	00
Disposal:		
108 gallons X .50 per gallon	54	00

Signature certifies
with hazardous wa

A FINANCIAL CH.
Past Due Account
action is necessa
attorney's fees.

LABC

#10

WORK ORDERED BY

Thank Y

ot been mixed

Due amount
side collection
ng reasonable

TAL MATERIAL

TOTAL LABOR

TAX

HIS AMOUNT →

654 00

Patty-
I need a
P.O. on this one.
CB

INVOICE

90936

SPENCER, INC.
P.O. Box 5207
OREGON CITY, OREGON 97045-8207
FAX: (503) 657-3395

(503) 655-0896
EPA #ORD088590575

JOB PHONE	DATE OF ORDER 11-14-91
JOB NAME/LOCATION 28395 SW Bogert	
Wilsonville, OR	

to O'Sullivan

3214 16th Street

PHONE

Seattle, WA 98134

ORDER TAKEN BY

TERMS: 1 1/4% 10 Days Billing Date 11-22-91
Net 30 Days

DESCRIPTION		AMOUNT	
Pump out and clean w/press. washer.			
3-500 gal waste oil tanks ¹ Clackamas Community College			
1-1000 gal unleaded tank			
4 tanks @ \$200.00 each		800	00
Disposal:			
225 gals on liquid @ .50 per gallon		112	50
23 gals on sludge @ 1.85 per gallon		42	55
A FINANCIAL CHARGE of 1 1/4% per month may be applied to any Past Due amount. Past Due Accounts may be placed on C.O.D. without notification. If outside collection action is necessary purchaser shall pay all costs of collection including reasonable attorney fees.			
LABOR	HOURS	RATE	AMOUNT
Kevin #20			
		TOTAL MATERIAL	
		TOTAL LABOR	
WORK ORDERED BY	DATE COMPLETED	TOTAL LABOR	TAX
Thank You		PAY THIS AMOUNT >	
		955	05

SIGNATURE (I hereby acknowledge the satisfactory
completion of the above described work.)

**RECEIVING
REPORT**

9845 N. Columbia
PORTLAND, OR 97283-0123
(503) 283-3300

DATE: 11/18/91

RECEIVED FROM: Win Brown

ADDRESS: _____

DRIVER/PASSENGERS ON 0 1 2 3 4

VEHICLE: _____

WEIGHT	DESCRIPTION	PRICE PER TON/LB.	AMOUNT
12240	Tanks	1500/T	9189
	Tanks Shipped		
	1000 Gallon - Century Gutter		
	500 Waste Oil - Clackamas Comm College		
	500 Gallon ? BP 217th + Greenburg		
	500 Gallon		

TOTAL _____

CHECKED BY: _____ CK # 33143 PD CASH _____ REC'D BY: _____

**RECEIVING
REPORT**

MT. HOOD METALS, INC.

9645 N. Columbia Blvd. • P.O. BOX 83123

PORTLAND, OR 97283-0123

(503) 283-3300

9 1991 52599

DATE: 9/5/91

RECEIVED FROM: Win Brown

ADDRESS: _____

DRIVER/PASSENGERS ON 0 1 2 3 4

09/05/91

VEHICLE: 09/05/91

WEIGHT	DESCRIPTION	PRICE PER TON/LB.	AMOUNT
	11:5		
	12:20		
54200 LB E			
44700 LB E	Tanks	3000/NT	\$ 128.50
11910			
	Tank from CCC		
	1-10000 gal		
	Thank you!!		

TOTAL _____

CHECKED BY:

CK #

PD CASH

REC'D BY:

MT. HOOD METALS, INC.
9645 N. Columbia Blvd. • P.O. BOX 83123
PORTLAND, OR 97283-0123
(503) 283-3300

DATE:

9/6/91

DRIVER/PASSENGERS ON 0 1 2 3 4

09/09/79

TOTAL

REC'D BY:

Oregon Department of Environmental Quality
UNDERGROUND STORAGE TANK DECOMMISSIONING/SERVICE CHANGE REPORT

DEQ FACILITY NUMBER: 6578

DATE: 1/6/92

FACILITY NAME: Clackamas Community College

FACILITY ADDRESS: 19100 South Mollalla Ave.

Oregon City, OR 97045

PHONE: 657-6958

The following information **MUST** be submitted by the underground storage tank owner, operator or licensed DEQ Supervisor within 30 days following completion of the tank decommissioning or changing tank contents to a non-regulated substance. (OAR 340-150-001 though -150)

The attached supplemental checklist should be prepared by the person performing the decommissioning. The checklist should be provided to DEQ and the tank owner to demonstrate that all required practices were followed.

Ordinarily the checklist is filled out by the DEQ licensed Service Provider or Supervisor. Owners who wish to personally decommission a tank must follow all DEQ and other applicable standards. The owner should contact the DEQ Regional Office prior to starting the decommissioning to receive current copies of underground storage tank regulations.

A. DATES:

Decommissioning/Service Change Notice - Date Submitted: 7/24/91 (30 days before work starts)

Work Start Telephone Notice - Date Submitted: 8/29/91 (3 working days before work starts)

DEQ Person Notified: Catherine Blaine

Date Work Started: 9/3/91

Date Work Completed: 12/20/91

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

Date Contamination Reported: 9/6/91 By: Win Brown

DEQ Person Notified: Loren Garner

Backfill Telephone Notice - Date Called: _____ (before backfilling)

DEQ Person Notified: _____

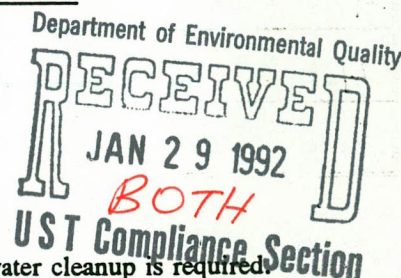
B. PERMITS:

Note: DEQ permits or an addendum to the UST permit(s) may be needed where soil or water cleanup is required.

DEQ Water Discharge Permit #: _____ Date: _____

Disposed to (Location): _____

DEQ Solid Waste Disposal Permit #: _____ Date: _____



B. PERMITS (Continued)

UST Soil Treatment Permit Addendum - Type: _____ Date: _____

Soil Disposal or Treatment Location: _____

C. TANK INFORMATION:

Tank #	DEQ UST Permit	Tank Size in (Gallons)	Product: Gasoline, Diesel, Used Oil, Other?		Closure or Service Change?			Tank to be Replaced?	
			Present	New	Tank Removal	Closure [∞] Inplace	New [∞] Product	Yes*	No
2	EHAH	550	Waste Oil		✓				✓
3	EHAJ	3000	Gas		✓				✓
4	EHBK	3000	Gas		✓				✓

* Where decommissioned tank(s) are replaced by new underground storage tanks the UST owner or operator must submit a new permit application containing information on the new tanks 30 days before placing them in service.

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

D. DISPOSAL INFORMATION:

Tank #	Tank & Piping Disposal Method				Disposal Location of Tank Contents *	
	Scrap	Land-fill	Other	Identify Location & Property Owner	Liquids	Sludges
2	✓			Mt Hood Metals	NW Field Services	
3	✓			Mt Hood Metals	NW Field Services	
4	✓			Mt Hood Metals	NW Field Services	

* Note: The tank contents, the tank and the piping may be subject to the requirements of Hazardous Waste regulations. If you have questions, contact the DEQ Hazardous Waste Section at (503) 229-5913 or DEQ regional office hazardous waste staff.

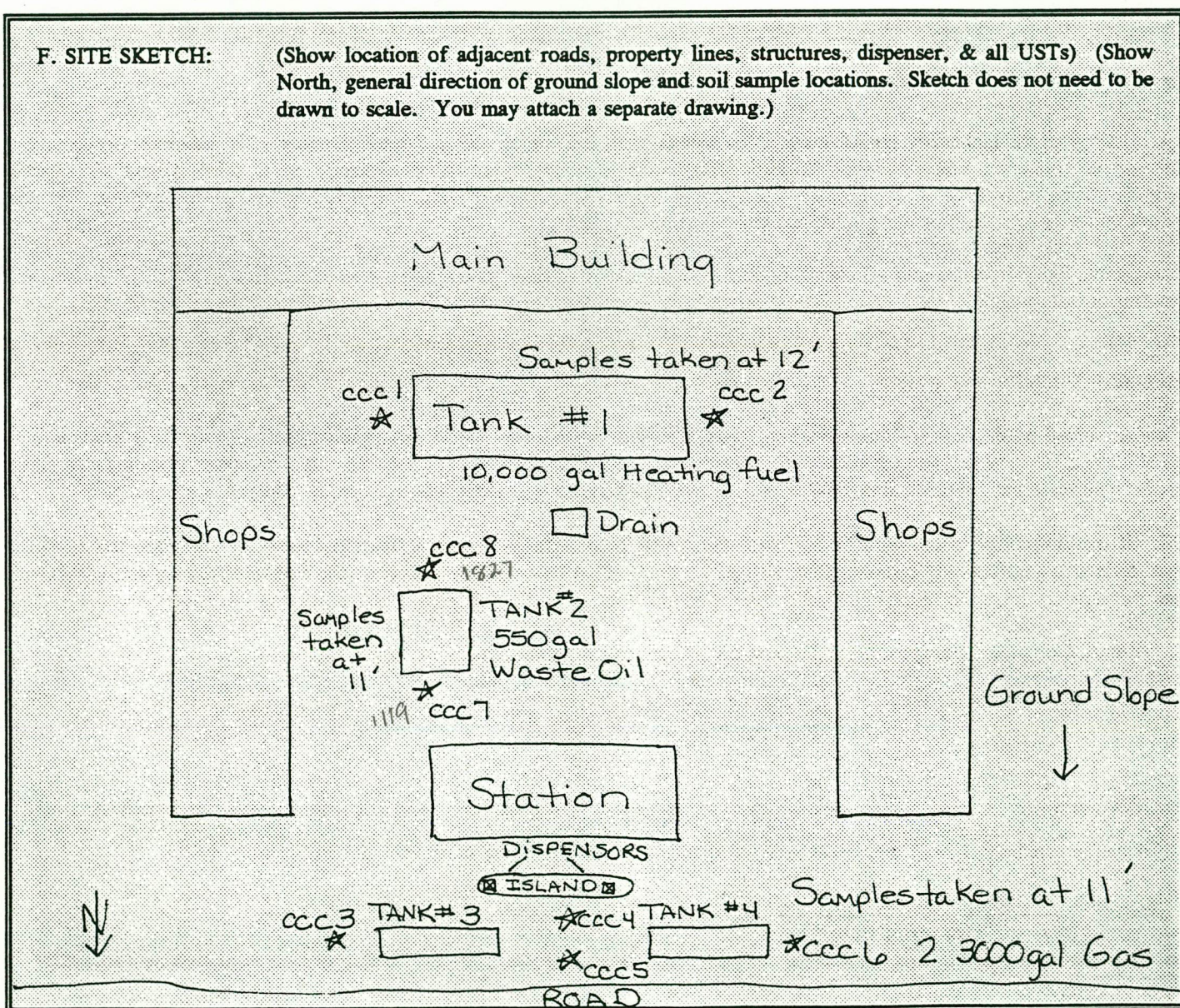
E. CONTAMINATION INFORMATION:

Tank #	Ground* water in pit?	Product odor in soil?	Product stains in soil?	Number of Samples	Laboratory (Name, City, State, Phone)
2	No	Yes	Yes	2	Haymond Assoc. Pld, OR 223-2737
3	No	No	No	2	" " "
4	No	No	No	2	" " "
1	No	No	No	2	" " "

* Note: Sampling is required if groundwater is encountered. See cleanup rules.

F. SITE SKETCH:

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



* = location of Samples

G. WORK PERFORMED BY:

DEQ Service Provider's License #: 10667

Construction Contractors License #: 64201

Name: O'Sullivan Petroleum

Telephone: (503) 682-0275

DEQ Decommissioning Supervisor's License #: _____

Name: Cliff Bowers *Cliff Bowers*

Telephone: 682-0275

DEQ Soil Matrix Service Provider's License #: _____ (If applicable)

Name: _____

Telephone: _____

DEQ Soil Matrix Supervisor's License #: _____ (If applicable)

Name: _____

Telephone: _____

H. ATTACHMENTS TO THIS REPORT:

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

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

I. REPORT FILING:

This report, signed by the tank owner or operator, complete with all applicable attachments must be filed with DEQ headquarters within 30 days after the excavation is backfilled or change-in-service is complete. Contact the DEQ regional office prior to filing this report where special circumstances exist at the site (such as water in pit, remaining pockets or contamination, etc.).

NOTE: If contamination was found during site assessment at decommissioning or change-in-service and reported to DEQ regional office, this report may be submitted with either the first interim cleanup report or the final cleanup report, whichever is first.

Return Completed Form to:

Department of Environmental Quality
UST Program - Decommissioning Report
811 S.W. Sixth Ave.
Portland, Oregon 97204

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

Signature: _____ Date: _____
(Owner or Operator)

For information: (503) 229-5733 or Toll Free in Oregon 1-800-452-4011

11/5/91 to 7/6/91

C. LACKMANUS College

Job # 2291 - 0.20 Tank Location & Soil Sample Location

A = soil samples

Main Building

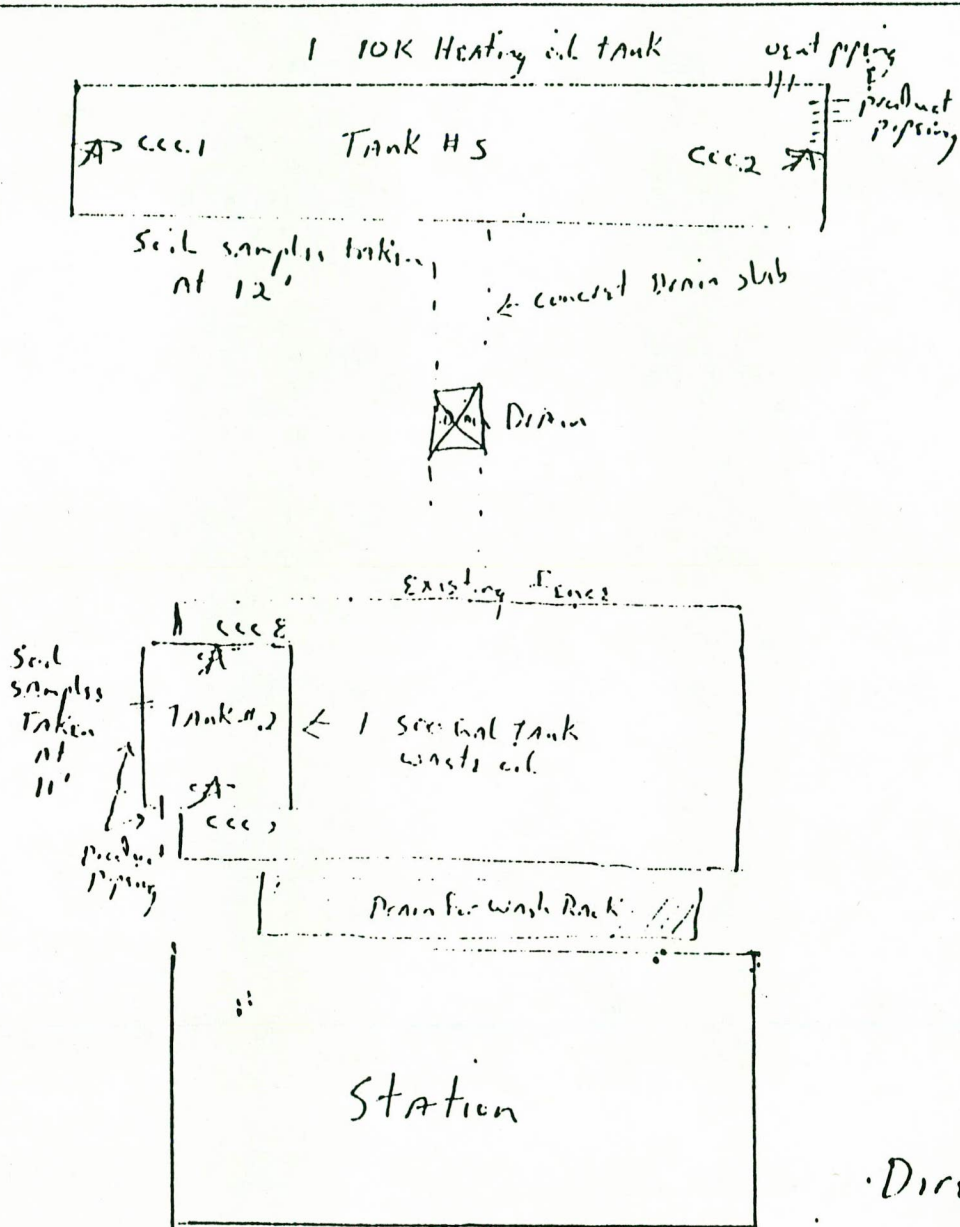
Shops

Shops

N
↓

Direction of slope
↓ ↓ ↓

Driveway



Two 3K Tanks Gas
soil samples taken at 11' ↓
ccc.3 Tank #3 ccc.4 Tank #4 ccc.6



A DIVISION OF FGE

OREGON ANALYTICAL LABORATORY
14855 SW Old Scholls Ferry Road
Beaverton, OR 97007
(503) 644-5300
Fax: (503) 671-1404

O'SULLIVAN CONSTRUCTION
28395 SW BOBERG RD.
WILSONVILLE, OR. 97070

REVIEWED BY: San

REVIEW DATE: 9/24/91

CHAD WALKER
682-0275(FAX 682-3607)
20140

TCLP-METALS
EPA METHODS 1311, 6010 AND 7470

SAMPLE ID:	CCC7	CCC8
OAL ID: 25-1335-	01064	01065
SAMPLE DATE:	9/4/91	9/4/91
MATRIX:	SOIL	SOIL
TCLP-EXTRAC.DATE	09-11-91	09-11-91
ARSENIC MG/L	<0.10	<0.10
BARIUM MG/L	1.48	1.41
CADMIUM MG/L	<0.10	<0.10
CHROMIUM MG/L	<0.10	<0.10
LEAD MG/L	0.15	<0.10
MERCURY MG/L	<0.010	<0.010
SELENIUM MG/L	<0.10	<0.10
SILVER MG/L	<0.10	<0.10

METAL	REGULATORY LIMIT(MG/L)
ARSENIC	5.0
BARIUM	100.0
CADMIUM	1.0
CHROMIUM	5.0
LEAD	5.0
MERCURY	0.2
SELENIUM	1.0
SILVER	5.0



A DIVISION OF FGE

OREGON ANALYTICAL LABORATORY
14855 SW Old Scholls Ferry Road
Beaverton, OR 97007
(503) 644-5300
Fax: (503) 671-1404

O'SULLIVAN CONSTRUCTION
28395 SW BOBERG RD.
WILSONVILLE, OR. 97070

REVIEWED BY: SON

REVIEW DATE: 9/24/91

CHAD WALKER
682-0275(FAX 682-3607)
20140

HALOGENATED VOLATILE ORGANICS
BY EPA METHOD 8010 8240

SAMPLE ID:	CCC7	CCC8
OAL ID: 25-1335-	01064	01065
SAMPLE DATE:	9/4/91	9/4/91
MATRIX:	SOIL	SOIL
EXTRACTION DATE:	9/11/91	9/11/91
ANALYSIS DATE:	9/11/91	9/11/91
ANALYTE:	ATTACHED	ATTACHED
QUANTIFICATION:	ATTACHED	ATTACHED
SURR. RECOVERY %	ATTACHED	ATTACHED
ANALYST:	DPH	DPH

ND = NONE DETECTED

MI = MATRIX INTERFERENCE WITH SURROGATE RECOVERY

WATER MATRIX UNITS ARE UG/L

SOIL MATRIX UNITS ARE UG/KG

O'Sullivan Construction
28395 SW Boberg Road
Wilsonville, OR 97070

Attn: Chad Walker

Volatiles
by EPA Method 8240

Matrix:	Soil	Soil	Matrix	Detection
Sample ID:	CCC-7	CCC-8	Blank	Limit
OAL ID:	25-I335-	01064	01065	MB0911A
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Bromodichloromethane	ND	ND	ND	5.
Bromoform	ND	ND	ND	5.
Bromomethane	ND	ND	ND	10.
Carbon tetrachloride	ND	ND	ND	5.
Chlorobenzene	ND	ND	ND	5.
Chloroethane	ND	ND	ND	10.
2-Chloroethyl vinyl ether	ND	ND	ND	10.
Chloroform	ND	ND	ND	5.
Chloromethane	ND	ND	ND	10.
Dibromochloromethane	ND	ND	ND	5.
1,2-Dichlorobenzene	ND	200.	ND	5.
1,3-Dichlorobenzene	ND	310.	ND	5.
1,4-Dichlorobenzene	ND	210.	ND	5.
Dichlorodifluoromethane	ND	ND	ND	5.
1,1-Dichloroethane	ND	ND	ND	5.
1,2-Dichloroethane	ND	ND	ND	5.
1,1-Dichloroethene	ND	ND	ND	5.
trans-1,2-Dichloroethene	ND	ND	ND	5.
1,2-Dichloropropane	ND	ND	ND	5.
cis-1,3-Dichloropropene	ND	ND	ND	5.
trans-1,3-Dichloropropene	ND	ND	ND	5.
Methylene chloride	320.	ND	200.	5.
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.
Tetrachloroethene	ND	ND	ND	5.
1,1,1-Trichloroethane	ND	ND	ND	5.
1,1,2-Trichloroethane	ND	ND	ND	5.
Trichloroethene	ND	ND	ND	5.
Trichlorofluoromethane	ND	ND	ND	5.
Vinyl chloride	ND	ND	ND	10.
Surrogate Recovery:				
d4-1,2-Dichloroethane	89%	MI	128%	
Bromofluorobenzene	MI	MI	110%	

ND = None Detected

MI = Matrix Interference

NOTE: The actual detection limit for sample CCC-8 (OAL number 25-I336-01065) is 20 times higher than the reported detection limit due to the necessary dilution of the sample. The small amount of methylene chloride found in the sample is probably due to laboratory contamination.

HAYMOND & ASSOCIATES, INC.

ENVIRONMENTAL SCIENTISTS

1128 S.W. 13TH, PORTLAND, OR 97205
(503) 223-2737 FAX: 223-6168

September 5, 1991

Page 1 of 2

O'Sullivan Construction
28395 S.W. Boberg Rd.
Wilsonville, OR 97070

PROJECT NAME/SITE: Clackamas Community College

PO #: 20086

PROJECT #: 2291-020

(LAB FILE: O'SULL18.DOC)

LAB ID/ FIELD ID:

1812/ CCC 1 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy Oil not detected by TPH-HCID
Extract surrogate recovery was 96%

1813/ CCC 2 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy Oil not detected by TPH-HCID
Extract surrogate recovery was 83%

1814/ CCC 3 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy Oil not detected by TPH-HCID
Extract surrogate recovery was 107%

1815/ CCC 4 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID.
Heavy Oil not detected by TPH-HCID
Extract surrogate recovery was 61%

1816/ CCC 5 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy Oil not detected by TPH-HCID
Extract surrogate recovery was 109%

1817/ CCC 6 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy Oil not detected by TPH-HCID
Extract surrogate recovery was 98%

CONTINUED

Company O'Sullivan Construction
 Contact Chad Walker
 Phone # 682-0275

Project Name Clackamas Comm. College
Project Number 2291-020
P.O. Number 20140

Sampler's Name Cliff Bowers
Signature _____
Sampling Date _____

Provide Verbal Results ☒ Yes ☐ No
Provide FAX Results ☒ Yes ☐ No

Comments _____

Received @ 4°C ☒ Yes ☐ No
Appropriate Containers ☒ Yes ☐ No

[illegible]

	<u>Received</u>	Date 9/7/91
Chad A. Walker		Time 8:45
	<u>Received</u>	Date 9/7/91
D.C. Plath		Time 8:45
MAL		

Signature		Date
Print Name		Time
Company		

Signature		Date
Print Name		Time
Company		

Administrative	
Signature	Date
Print Name	Date
Company	

Reserved	
Signature	Date
Print Name	Date
Company	

HAYMOND & ASSOCIATES, INC.

ENVIRONMENTAL SCIENTISTS

1128 S.W. 13TH, PORTLAND, OR 97205
(503) 223-2737 FAX: 223-6168

September 5, 1991

Page 2 of 2

O'Sullivan Construction
28395 S.W. Boberg Rd.
Wilsonville, OR 97070

PROJECT NAME/SITE: Clackamas Community College

PO #: 20086

PROJECT #: 2291-020

(LAB FILE: O'SULL18.DOC)

LAB ID/ FIELD ID:

(CONTINUED)

1818/ CCC 7

SOIL

Gasoline fraction identified by TPH-HCID - ?
Diesel fraction not detected by TPH-HCID
Heavy Oil detected by TPH-HCID

1827 mg/kg Total Petroleum Hydrocarbon by TPH-418.1

1819/ CCC 8

SOIL

Gasoline fraction identified by TPH-HCID - ?
Diesel fraction not detected by TPH-HCID
Heavy Oil not detected by TPH-HCID

1119 mg/kg Total Petroleum Hydrocarbon by TPH-418.1

TPH-HCID Parameters:

- 1) If possible, identification is by comparison to reference chromatograms. If identification can not be made by comparison, then compounds from C₆ to C₁₀ are called "Gasoline"; from C₁₁ to C₂₈ are called "Diesel"; and C₂₉ and beyond are called "Heavy Oil".
 - 2) The reporting limit for Gasoline is 20 mg/kg.
 - 3) The reporting limit for Diesel is 50 mg/kg.
 - 4) The reporting limit for Heavy Oil is 50mg/kg.
- BTEX (602/8020) Parameters for Water**
- 1) The detection limit for Benzene, Toluene, Ethylbenzene and each Xylene is 3ug/l (ppb).
 - 2) The laboratory blank showed no BTEX.
 - 3) Duplicate analysis agreed to within 15%.
- BTEX (602/8020) Parameters for Soil**
- 1) The detection limit for Benzene, Toluene, Ethylbenzene and each Xylene is .1 mg/Kg
 - 2) The laboratory blank showed no BTEX.
 - 3) Duplicate analysis agreed to within 15%.

TPH-G Parameters:

- 1) Duplicate analyses agree to within 10%.
 - 2) The reporting limit is 10 mg/kg.
 - 3) Laboratory blank showed no gasoline.
- TPH-418.1 Parameters for Soil**
- 1) The detection limit for TPH is 2 mg/kg.
 - 2) The limit of quantitation is 6 mg/kg.
 - 3) The laboratory blank showed no detected TPH.
- TPH-418.1 Parameters for Water**
- 1) The detection limit for TPH is .1 mg/l.
 - 2) The limit of quantitation is .3 mg/l.
 - 3) The laboratory blank showed no detected TPH.

[503] 223-2737 FAX: 223-6168

CHAIN OF CUSTODY

CHAIN OF CUSTODY

PROJECT #	ZZ91-020	PROJECT NAME:	CLACKAMAS Col.	P.O.#	20086	TODAY'S DATE:	9-9-91
COMPANY NAME:	O'Sullivan Const	PHONE:	6820275				
REPORT ATTENTION:	Chad	FAX:	6823607				
SAMPLES COLLECTED BY:	Cliff Rowers	DATE COLLECTED:	9-9-91				
FIELD I.D.	MEDIA	CONTAINER	PRESERVATIVE	ANALYSIS REQUIRED			
CCC 1	Soil	Glass	4°C	HClD +	1812		
" 2	"	"	"	"	1813		
" 3	"	"	"	"	1814		
" 4	"	"	"	"	1815		
" 5	"	"	"	"	1816		
" 6	"	"	"	"	1817		
" 7	"	"	"	"	1818		
" 8	"	"	"	"	1819		
RELINQUISHED BY:	Win Brown	DATE/TIME	9-9-91 1800 HRS	RECEIVED BY:		DATE/TIME	
RELINQUISHED BY:		DATE/TIME		RECEIVED BY LAB:	Carolin C. Chen	DATE/TIME	9/11/91 5:56 pm
REMARKS:				EXPRESS UPS MAIL CXL GREY TAXI CAB			



O'Sullivan

PETROLEUM EQUIPMENT COMPANY

3214 16th Avenue S.W.
Seattle, Washington 98134
(206) 682-2440
FAX (206) 621-8568

28395 S.W. Boberg Road
Wilsonville, Oregon 97070
(503) 682-0275
FAX (503) 682-3607

Dept. of Environmental Quality

RECEIVED

December 18, 1991

DEC 23 1991

Loren Garner
Department of Environmental Quality
811 S.W. Sixth Ave
Portland, Oregon 97204

NORTHWEST REGION

Re: Tank Removal, Clackamas Community College
Facility # 6578

Dear Mr Garner;

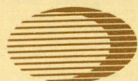
This letter serves as an update report on the waste oil tank on the above project. Through our phone calls you were aware that contamination was encountered during removal on September 4, 1991.

On December 16, 1991 we removed the rest of the contamination from the excavation. We had 5 tests taken on the soil. Four came back as non detects and 1 came back as gasoline at 1 PPM. It is our intention to backfill the tank hole at this time.

Sincerely,

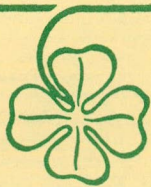
Chad Walker

Chad Walker
Branch Manager



A DIVISION OF OMEGA ENVIRONMENTAL INC.

PEI
PETROLEUM EQUIPMENT INC.



O'Sullivan

PETROLEUM EQUIPMENT COMPANY

3214 16th Avenue S.W.
Seattle, Washington 98134

(206) 682-2440
FAX (206) 621-8568

28395 S.W. Boberg Road
Wilsonville, Oregon 97070

(503) 682-0275
FAX (503) 682-3607

Dept. of Environmental Quality

RECEIVED

DEC 11 1991

NORTHWEST REGION

December 9, 1991

Mr. Loren Garner
Oregon Department of Environmental Quality
811 S.W. Sixth Avenue
Portland, Oregon 97204

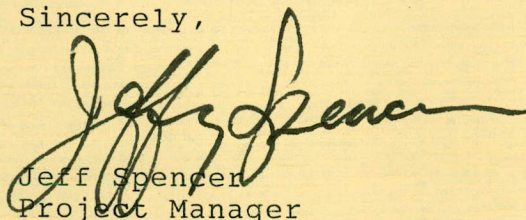
Re: Tank Removal, Clackamas Community
College. Facility #6578

Dear Mr. Garner;

This letter serves as an initial report on the waste oil tank removal on the above project. Through our phone call you are aware that we encountered contamination while removing the tank on September 4, 1991. Enclosed you will find a site map and soil sample results taken from the locations as marked.

On december 16th we will remove the rest of the contamination from the excavation and stockpile at a location on the site. If you have any further questions please feel free to contact me. Thank you in advance for your prompt attention to this matter.

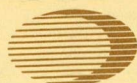
Sincerely,



Jeff Spencer
Project Manager

enclosure

cc: George Sims
Clackamas Community College



A DIVISION OF OMEGA ENVIRONMENTAL INC.

PEI
PETROLEUM EQUIPMENT INSTITUTE

Job # 2291-000 Tank Location & Soil Sample Location

Dept. of Environmental Quality

RECEIVED

DEC 11 1991

NORTHWEST REGION

Soil
★ = samples

Main Building

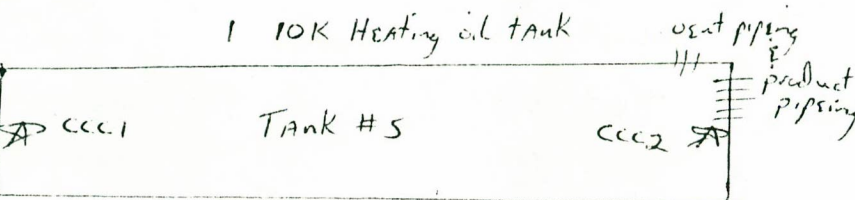
Shops

Shops

N
↓

DRIVEWAY

DRIVEWAY

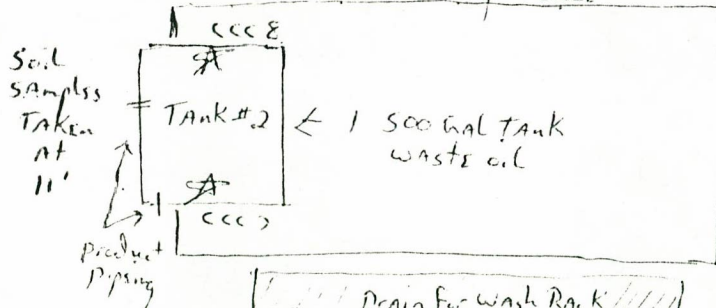


Soil samples taken
at 12'

← concrete Drain slab



Existing Fences

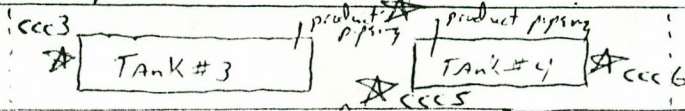


Station

Direction of slop
↓ ↓ ↓



Soil samples taken at 11'





A DIVISION OF FGE

OREGON ANALYTICAL LABORATORY
14855 SW Old Scholls Ferry Road
Beaverton, OR 97007
(503) 644-5300
Fax: (503) 671-1404

O'SULLIVAN CONSTRUCTION
28395 SW BOBERG RD.
WILSONVILLE, OR. 97070

REVIEWED BY: son
REVIEW DATE: 9/24/91

CHAD WALKER
682-0275(FAX 682-3607)
20140

TCLP-METALS
EPA METHODS 1311, 6010 AND 7470

SAMPLE ID:	CCC7	CCC8
OAL ID: 25-I335-	01064	01065
SAMPLE DATE:	9/4/91	9/4/91
MATRIX:	SOIL	SOIL
TCLP-EXTRAC.DATE	09-11-91	09-11-91
ARSENIC MG/L	<0.10	<0.10
BARIUM MG/L	1.48	1.41
CADMIUM MG/L	<0.10	<0.10
CHROMIUM MG/L	<0.10	<0.10
LEAD MG/L	0.15	<0.10
MERCURY MG/L	<0.010	<0.010
SELENIUM MG/L	<0.10	<0.10
SILVER MG/L	<0.10	<0.10

METAL	REGULATORY LIMIT(MG/L)
=====	=====
ARSENIC	5.0
BARIUM	100.0
CADMIUM	1.0
CHROMIUM	5.0
LEAD	5.0
MERCURY	0.2
SELENIUM	1.0
SILVER	5.0



A DIVISION OF FGE

OREGON ANALYTICAL LABORATORY
14855 SW Old Scholls Ferry Road
Beaverton, OR 97007
(503) 644-5300
Fax: (503) 671-1404

O'SULLIVAN CONSTRUCTION
28395 SW BOBERG RD.
WILSONVILLE, OR. 97070

REVIEWED BY: son
REVIEW DATE: 9/24/91

CHAD WALKER
682-0275(FAX 682-3607)
20140

HALOGENATED VOLATILE ORGANICS
BY EPA METHOD ~~8010~~ 8240

SAMPLE ID:	CCC7	CCC8
OAL ID: 25-I335-	01064	01065
SAMPLE DATE:	9/4/91	9/4/91
MATRIX:	SOIL	SOIL
EXTRACTION DATE:	9/11/91	9/11/91
ANALYSIS DATE:	9/11/91	9/11/91
ANALYTE:	ATTACHED	ATTACHED
QUANTIFICATION:	ATTACHED	ATTACHED
SURR. RECOVERY %	ATTACHED	ATTACHED
ANALYST:	DPM	DPM

ND = NONE DETECTED

MI = MATRIX INTERFERENCE WITH SURROGATE RECOVERY

WATER MATRIX UNITS ARE UG/L

SOIL MATRIX UNITS ARE UG/KG

Oregon Analytical Laboratory

O'Sullivan Construction
28395 SW Boberg Road
Wilsonville, OR 97070

Attn: Chad Walker

Volatiles
by EPA Method 8240

Matrix:	Soil	Soil	Matrix	Detection
Sample ID:	CCC-7	CCC-8	Blank	Limit
OAL ID: 25-I335-	01064	01065	MB0911A	
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Bromodichloromethane	ND	ND	ND	5.
Bromoform	ND	ND	ND	5.
Bromomethane	ND	ND	ND	10.
Carbon tetrachloride	ND	ND	ND	5.
Chlorobenzene	ND	ND	ND	5.
Chloroethane	ND	ND	ND	10.
2-Chloroethyl vinyl ether	ND	ND	ND	10.
Chloroform	ND	ND	ND	5.
Chloromethane	ND	ND	ND	10.
Dibromochloromethane	ND	ND	ND	5.
1,2-Dichlorobenzene	ND	200.	ND	5.
1,3-Dichlorobenzene	ND	310.	ND	5.
1,4-Dichlorobenzene	ND	210.	ND	5.
Dichlorodifluoromethane	ND	ND	ND	5.
1,1-Dichloroethane	ND	ND	ND	5.
1,2-Dichloroethane	ND	ND	ND	5.
1,1-Dichloroethene	ND	ND	ND	5.
trans-1,2-Dichloroethene	ND	ND	ND	5.
1,2-Dichloropropane	ND	ND	ND	5.
cis-1,3-Dichloropropene	ND	ND	ND	5.
trans-1,3-Dichloropropene	ND	ND	ND	5.
Methylene chloride	320.	ND	200.	5.
1,1,2,2-Tetrachloroethane	ND	ND	ND	5.
Tetrachloroethene	ND	ND	ND	5.
1,1,1-Trichloroethane	ND	ND	ND	5.
1,1,2-Trichloroethane	ND	ND	ND	5.
Trichloroethene	ND	ND	ND	5.
Trichlorofluoromethane	ND	ND	ND	5.
Vinyl chloride	ND	ND	ND	10.
Surrogate Recovery:				
d4-1,2-Dichloroethane	89%	MI	128%	
Bromofluorobenzene	MI	MI	110%	

ND = None Detected

MI = Matrix Interference

NOTE: The actual detection limit for sample CCC-8 (OAL number 25-I336-01065) is 20 times higher than the reported detection limit due to the necessary dilution of the sample. The small amount of methylene chloride found in the sample is probably due to laboratory contamination.

Class Information

Client Information
Company O'Sullivan Construction
Contact Chad Walker
Phone # 682-0275

Project Name Clackamas Comm. College
Project Number 2291-020
P.O. Number 20140

Sampler's Name Cliff Bowers
Signature _____
Sampling Date _____

Provide Verbal Results ☒ Yes ☐ No

Provide FAX Results ☒ Yes ☐ No

Comments

Received @ 4°C ☒ Yes ☐ No

Appropriate Containers ☒ Yes ☐ No

[illegible]

Killingworth		Date	9/7/91
Name		Time	8:45
Chad A. Walker			
Company			
Received			
Name		Date	9/7/91
D.C. Plath		Time	8:45
Company			
OAL			

Kritikalisiert	
Signature	Date
Print Name	Time
Company	

Received	
Signature	Date
Print Name	Time
Company	

Relinquished	
Signature	Date
Print Name	Title
Company	

Received	
Signature	Date
Print Name	Title
Company	

HAYMOND & ASSOCIATES, INC.

ENVIRONMENTAL SCIENTISTS

1128 S.W. 13TH, PORTLAND, OR 97205
(503) 223-2737 FAX: 223-6168

September 5, 1991

Page 1 of 2

O'Sullivan Construction
28395 S.W. Boberg Rd.
Wilsonville, OR 97070

PROJECT NAME/SITE: Clackamas Community College

PO #: 20086

PROJECT #: 2291-020

(LAB FILE: O'SULL18.DOC)

LAB ID/ FIELD ID:

1812/ CCC 1 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy Oil not detected by TPH-HCID
Extract surrogate recovery was 96%

1813/ CCC 2 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy Oil not detected by TPH-HCID
Extract surrogate recovery was 83%

1814/ CCC 3 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy Oil not detected by TPH-HCID
Extract surrogate recovery was 107%

1815/ CCC 4 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID.
Heavy Oil not detected by TPH-HCID
Extract surrogate recovery was 61%

1816/ CCC 5 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy Oil not detected by TPH-HCID
Extract surrogate recovery was 109%

1817/ CCC 6 SOIL
Gasoline not detected by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy Oil not detected by TPH-HCID
Extract surrogate recovery was 98%

CONTINUED

HAYMOND & ASSOCIATES, INC.

ENVIRONMENTAL SCIENTISTS

1128 S.W. 13TH, PORTLAND, OR 97205
(503) 223-2737 FAX: 223-6168

September 5, 1991

Page 2 of 2

O'Sullivan Construction
28395 S.W. Boberg Rd.
Wilsonville, OR 97070

PROJECT NAME/SITE: Clackamas Community College

PO #: 20086

PROJECT #: 2291-020

(LAB FILE: O'SULL18.DOC)

LAB ID/ FIELD ID:

(CONTINUED)

1818/ CCC 7

SOIL

Gasoline fraction identified by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy oil detected by TPH-HCID

1827 mg/kg Total Petroleum Hydrocarbon by TPH-418.1

1819/ CCC 8

SOIL

Gasoline fraction identified by TPH-HCID
Diesel fraction not detected by TPH-HCID
Heavy Oil not detected by TPH-HCID

1119 mg/kg Total Petroleum Hydrocarbon by TPH-418.1

TPH-HCID Parameters:

- 1) If possible, identification is by comparison to reference chromatograms. If identification can not be made by comparison, then compounds from C₆ to C₁₀ are called "Gasoline"; from C₁₁ to C₂₈ are called "Diesel"; and C₂₉ and beyond are called "Heavy Oil".
- 2) The reporting limit for Gasoline is 20 mg/kg.
- 3) The reporting limit for Diesel is 50 mg/kg.
- 4) The reporting limit for Heavy Oil is 50mg/kg.

BTEX (602/8020) Parameters for Water

- 1) The detection limit for Benzene, Toluene, Ethylbenzene and each Xylene is 3ug/l (ppb).
- 2) The laboratory blank showed no BTEX.
- 3) Duplicate analysis agreed to within 15%.

BTEX (602/8020) Parameters for Soil

- 1) The detection limit for Benzene, Toluene, Ethylbenzene and each Xylene is .1 mg/Kg
- 2) The laboratory blank showed no BTEX.
- 3) Duplicate analysis agreed to within 15%.

TPH-G Parameters:

- 1) Duplicate analyses agree to within 10%.
- 2) The reporting limit is 10 mg/kg.
- 3) Laboratory blank showed no gasoline.

TPH-418.1 Parameters for Soil

- 1) The detection limit for TPH is 2 mg/kg.
- 2) The limit of quantitation is 6 mg/kg.
- 3) The laboratory blank showed no detected TPH.

TPH-418.1 Parameters for Water

- 1) The detection limit for TPH is .1 mg/l.
- 2) The limit of quantitation is .3 mg/l.
- 3) The laboratory blank showed no detected TPH.

HAYMOND & ASSOCIATES, INC.

ENVIRONMENTAL SCIENTISTS

1128 S.W. 13th, Portland, OR 97205

[503] 223-2737 FAX: 223-6168

CHAIN OF CUSTODY

CHAIN OF CUSTODY

PROJECT # 2291-020		PROJECT NAME: Clackamas Col.		P.O. # 20086		TODAY'S DATE: 9-9-91	
COMPANY NAME: O'Sullivan Const				PHONE: 6820275			
REPORT ATTENTION: Chad				FAX: 682 3607			
SAMPLES COLLECTED BY: Cliff Bowers				DATE COLLECTED: 9-9-91			
FIELD I.D.	MEDIA	CONTAINER	PRESERVATIVE	ANALYSIS REQUIRED			
CCC 1	Soil	Glass	4°C	HEID +		1812	
" 2	"	"	"	"		1813	
" 3	"	"	"	"		1814	
" 4	"	"	"	"		1815	
" 5	"	"	"	"		1816	
" 6	"	"	"	"		1817	
" 7	"	"	"	"		1818	
" 8	"	"	"	"		1819	
RELINQUISHED BY: Win Brown			DATE/TIME: 9-9-91 1800 HRS	RECEIVED BY:			DATE/TIME
RELINQUISHED BY:			DATE/TIME	RECEIVED BY LAB: Caroline Y. Chan			DATE/TIME: 9/4/91 5:56 pm
REMARKS:				EXPRESS UPS MAIL CXL GREY TAXI CAB			

MATRIX CLEANUP EXCAVATION CLOSURE APPROVAL

Site Information

Site Name: *Clackamas Community College*

Site Address: *19600 S. Molalla Ave, Oregon City*

DEPARTMENT OF
ENVIRONMENTAL
QUALITY

USTC Log Number: *03-91-342*

Date Approved: *12/18/91*

Facility ID No.: *6578*

Approved by: *L.H. Harner*

Service Provider Information

Individual Name: *Chad Walker*

Company Name: *O'Sullivan Const.* License No.: *10667*

Address: *28395 SW Boberg Rd
Wilsonville, OR 97070*

This is to confirm that verbal authorization has been given to backfill or close the excavation located at the facility referenced above, pursuant to OAR 340-162-020(7) or OAR 340-163-020(6). Following completion, a copy of your signed checklist, as required by OAR 340-162-020(5) or OAR 340-163-020(4) and a copy of your final report, as required by OAR 340-122-350 must be submitted to the Department.

This authorization merely signifies that the Department was notified of a proposed excavation closure and was unable to schedule a field inspection at that time.

Authorization to close is not a Department determination that the soil cleanup has been completed in compliance with the requirements of OAR 340, Division 122. Upon a review of the checklist and final report referenced above, the Department will make a final determination on compliance with numeric cleanup standards. If you have any questions, please contact the Northwest Region at 503-229-5263.

cc: UST Compliance Section, HSW
UST Cleanup Section, ECD
NWR UST Cleanup project file
NWR Service Provider file



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

TELEPHONE USE REPORT

CALL FROM/TO: Win Brown

DATE: 11/20

COMPANY/TITLE: O'Sullivan Construction

TIME: _____

PHONE NO.: 682-0275

(Circle for filing)

CITY: _____ COUNTY: _____

AQ Asbestos

Clackamas Community College

WQ OSS

03-91-342

SW HW

General Spill

SUMMARY OF CALL:

Had 320 ppb methylene chloride in sample and
200 ppb in Lab blanks. I indicated that that
suggests Lab contamination and shouldn't be a problem

They have 1827 and 1119 ppm remaining in excavation
Have removed down to concrete pad. Will be
doing more removal but having trouble coordinating
with the College.

I asked for up date report ASAP

Andree Pollock

Signature

September 24, 1991

GEORGE SIMS
CLACKAMAS COMMUNITY COLLEGE
19600 SOUTH MOLALLA AVENUE
OREGON CITY OREGON 97045

RE: UST - Clackamas County
Site Name: Clack. Comm. Coll.
File No. 03-91-342

Dear Mr. Sims:

As required by Oregon Administrative Rules (OAR), on September 9, 1991, a release was reported at your facility located at 19600 South Molalla Avenue in Oregon City, Oregon. As the owner of the facility, you are required to clean up the release according to OAR 340-122-201 through 340-122-360, "Cleanup Rules for Leaking Petroleum UST Systems and Numeric Soil Cleanup Levels for Motor Fuel and Heating Oil". A copy of these rules is enclosed.

The following is an outline of the reporting process required by the Northwest Region, Department of Environmental Quality:

1. If the cleanup is to be completed within 45 days of identifying the release, a single, final report can be submitted within 30 days of cleanup completion. This will satisfy the documentation requirements, provided you meet the provisions of OAR 340-122-360.
2. If cleanup cannot be completed within 45 days, submittal of an initial status report is required within 45 days of reporting the release. The report must summarize the findings to-date, outline your planned actions, and include anticipated dates of completion for each action. Additional interim reports may also be required depending on individual circumstances. A final report will be required within 30 days of completion of the project.

Please read the enclosed rules carefully. Note that one of the first things you must do is determine the scope of the problem in order to select the best method of remediation. The enclosed information will give you the guidance necessary to meet the specific documentation requirements for your site. As the owner, you should be aware of the regulations, even if you have hired a qualified consultant to do the actual work.



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



Please keep the Department up-to-date on activities at the site. This will help to expedite cleanup and closure of the site. **File No. 03-91-342** has been assigned to this project. Please reference this number in all future correspondence.

Removing contaminated soils to the matrix cleanup levels is only one of many options that you may wish to consider for your site. You may find the services of a qualified consultant helpful in evaluating different cleanup options. Cleanup options other than removal to matrix standards require that a Corrective Action Plan (CAP) be submitted to the Department for approval. If a CAP is appropriate for your site, additional information about this process may be obtained from the region.

The Department is required to recover costs from the responsible party for oversight of CAP cleanups. You will be notified if the Department determines that cost recovery will be implemented for your site. For general information about the cost recovery process, please contact Mr. Rick Silverman at (503) 229-6384.

Thank you for your cooperation and continued efforts to comply with the regulations. If you have any questions, please contact the Northwest Region at (503) 229-6385.

Sincerely,

UST CLEANUP SECTION
Northwest Region

enclosure

cc: UST Cleanup Section, ECD

PIF

*

MUST BE SUBMITTED 30 DAYS IN ADVANCE OF DECOMMISSIONING *

NWR

TOTALLY NOTICE OF UNDERGROUND STORAGE TANK PERMANENT DECOMMISSIONING

03-91-342

03-90-510

Facility

Tank Owner

Name Clackamas Comm. College
Address 19600 South Molalla Avenue
Oregon City, OR 97045

Name Clackamas Comm. College
Address 19600 South Molalla Ave
Oregon City, OR 97045

Phone 657-6958
Facility ID Number 6578

Phone 657-6958

Permanent Decommissioning Performed By:

Company O'Sullivan Construction Phone (503) 682-0275
Scheduled Date for Permanent Decommissioning Aug 26, 1991
Method to be used: Removal ☒ In-Place ☒ Fill Material ☐

Tanks to be Decommissioned

Tank ID#	PERMIT #	Tank Size	Last Product Stored
<u>2</u>	<u>EHAH</u>	<u>550</u>	<u>Waste Oil</u>
<u>3</u>	<u>EHAJ</u>	<u>3000</u>	<u>Gasoline</u>
<u>4</u>	<u>EHBK</u>	<u>3000</u>	<u>Gasoline</u>

#5 Exempt Heating Oil Tank To be removed as well

Are the decommissioned tanks to be replaced by new underground storage tanks? Yes ☐ No ☒
If yes, please submit a new permit application containing information on the new tanks.

Where and how will the old tanks be disposed?

Scrap Name MT Hood Metals Location Portland, OR
Landfill Name _____ Location _____
Stored Name _____ Location _____
Other Comment _____

Signature

Chad A. Walker

Date

07/24/91

Return Completed Form To:

Department of Environmental Quality
UST Program - Decommissioning Notice
811 SW Sixth Ave.
Portland, Oregon 97204

Department of Environmental Quality

RECEIVED
JUL 25 1991

For Information: (503) 229-5559 or Toll Free in Oregon 1-800-452-4011

UST Compliance Section

UST PULL LOG

Date: 8-29-91 Time: 8²² Expected Pull Date: 9-3-91

Person/Company Pulling tank: Chad Walker - O'Sullivan Construct
Phone: 682-0275

Business Name/Owner: Clark Comm. College Phone: _____

Address of Tank Site: 19600 S Molalla Ave
OREGON City 97045

Facility I.D. #: 6578

Tank I.D. No.	No. of Tanks	Size of Tanks	Contents of Tank
_____	<u>1ea</u>	<u>550</u>	<u>Waste oil</u>
_____	<u>1ea</u>	<u>3,000</u>	<u>gasoline</u>
_____	<u>1ea</u>	<u>3,000</u>	<u>gasoline</u>
_____	<u>1ea</u>	<u>10,000</u>	<u>Heating oil</u>
_____	_____	_____	_____
_____	_____	_____	_____

NWR

Dept. of Environmental Quality

Oregon

RECEIVED

JUL 30 1991

DEPARTMENT OF
ENVIRONMENTAL
QUALITY

Date: 7/29/91

Facility ID No.: 6578

NORTHWEST REGION

Dear Tank Owner/Permittee:

We received a decommissioning notice on 7/25/91 for 4 underground storage tank(s) located at:

Clackamas Community College
19600 S. Molalla Ave
Oregon City, OR 97045

The following marked paragraphs apply to this situation:

- ☒ Checking our records, it appears the tanks are registered, permit fees are current, and the contractor is licensed. You are required to confirm the date of removal with the appropriate regional office (see other side) at least 72 hours prior to tank removal.
- ☐ New tank(s) to be installed. Permits for the new tank(s) must be obtained and permit fees paid prior to installation. An application is enclosed. Contact the UST Compliance Section at (503) 229-5733 for more permit applications or installation information. Once the permit has been issued, you may proceed with installation. You are required to confirm the date of installation with the appropriate regional office (see other side) at least 72 hours in advance.
- ☐ There are apparently some discrepancies between our records and the information on your decommissioning form. The following concerns **must be resolved BEFORE** decommissioning can proceed:
- ☐ Inadequate information to identify tanks.
 - ☐ One or more of the tanks are not permitted.
 - ☐ Permit fees for 1988 1989 1990 1991 are past due.
 - ☐ The contractor you have identified is not licensed.

Please contact the UST Compliance Section at (503) 229-5733 to provide them with the additional tank identification information, to obtain details on which tanks need to be permitted and permit application forms, to arrange payment of fees (\$25 per tank per year), and/or to receive a list of licensed contractors.



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



Dept. of Environmental Quality

RECEIVED

MAR 9 1990

HUST # 03-90-510

NORTHWEST REGION

FINAL REPORT UNDERGROUND STORAGE TANK REMOVAL

Department of Environmental Quality

RECEIVED

MAR 5 1990

Environmental Cleanup Division

Prepared for:

CLACKAMAS COMMUNITY COLLEGE

17600 South Molalla Avenue
Oregon City, Oregon 97045

28 February 1990

Prepared by:

PEGASUS ENVIRONMENTAL MANAGEMENT SERVICES, INC.

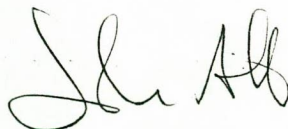
30250 SW Parkway Avenue, Suite 1
Wilsonville, Oregon 97070
(503) 682-5802

DISCLAIMER

This report is based upon work requested and authorized by the client and completed by Pegasus in a workmanlike and professional manner. Pegasus makes no warranty, expressed or implied, including without limitation, any warranty of merchantability fitness for a particular purpose, use, or otherwise, with respect to any of the materials or results of the work. Pegasus has made every effort to provide as complete and comprehensive an evaluation as professionally practical in the matter covered by this assessment. Observations, findings, results and conclusions are limited by inherent time constraint and the depth of work which is practical and economical. Further, findings, recommendations, and/or observations should not be construed so that action taken as a result of this work will achieve compliance with every regulatory standard nor prevent every possible accident or loss. Neither should it be considered that any recommendation noted be the only possible action to be taken.

If there are any additional concerns or questions feel free to contact Technical Services/R & D at either 682-5802 or 1-800-354-9033 (inside Oregon) or 1-800-443-6134 (outside Oregon).

Sincerely,

A handwritten signature in black ink, appearing to read 'John Aniello', written in a cursive style.

John Aniello
Technical Services

TABLE OF CONTENTS

1.0 SCOPE OF WORK

1.1 CHRONOLOGY

2.0 ANALYSIS

APPENDIX 1.0 LETTERS OF NOTIFICATION

APPENDIX 2.0 CONTRACT

APPENDIX 3.0 DOCUMENTATION

1.0 SCOPE OF WORK

Pegasus Environmental Management Services, Inc., provided the necessary labor, equipment, supplies, materials and services to clean, excavate and remove 1 X 1,000 gallon underground storage tank located at 19600 South Molalla Avenue, Oregon City, Oregon 97045. The removal was performed with strict adherence to the requirements of the Department of Environmental Quality and the State and local Fire Marshal. No soil contamination was uncovered during the excavation and one (1) sample was taken from the bottom of the hole preserved and transported to Precision Analytics, Inc. for TPH (results are located in Section 2.0). One (1) 55 gallon drum of rinsate produced during the tank cleaning was transported to Fuel Processors recycling facility. The clean underground storage tank was taken to Schnitzer Steel for scrap metal disposal.

1.1 CHRONOLOGY

- 20 December 1990^{89?} Pegasus personnel meet with Clackamas Community College contact. Determine correct location and orientation of tank.
- 21 December 1990 Obtained necessary parts and equipment to complete job.
- 22 December 1990 Excavate and remove tank. Begin backfilling and repaired sprinkler lines. Haul tank to yard for cleaning and decommissioning.
- 9 February 1990[?] Obtain bore sample from bottom of backfilled excavation.

~~1991~~

2.0 ANALYSIS

The current DEQ regulations allow certain levels of contamination as acceptable based upon a matrix system which takes into account such things as: depth to ground water, annual mean rainfall and population density. When applying the location of the underground storage tank to the matrix system the acceptable level of contamination was 500 ppm. Upon analysis, the sample taken from the excavation site was 45 ppm Total Petroleum Hydrocarbons (TPH). This site was well below acceptable levels.

PRECISION ANALYTICS, INC.

N.E. 2345 Hopkins Court • Pullman, WA 99163
TEL. (509) 332-0928



February 16, 1990

Pegasus Environmental Management Services, Inc.
30250 SW Parkway Ave. # 1
Wilsonville, OR 97070

Items: Clackamas Community College TPH Sample
P.O.#: 1477-CLA-530
Date Recieved: 2/13/90
Lab Log-In #: 511
Report #: PEM_0216.001

Analysis

TPH EPA 418.1 (Modified for Soils)

All values in mg/Kg (ppm)
ND = Not Detected

Sample	Analyte	Concentration	Detection Limit
2705	TPH	45	5.0

Respectfully,



Mike Pearson
Laboratory Supervisor

APPENDIX 1.0

LETTER OF NOTIFICATION

sent on 11/1/89

NOTICE OF UNDERGROUND STORAGE TANK
PERMANENT DECOMMISSIONING

Facility

Name CLACKAMAS COMMUNITY college
Address 19600 South MOLLALA AVE
OREGON CITY, OR 97045
Phone 657-8400
Facility ID Number 6578

Tank Owner

Name CLACKAMAS Community College
Address 19600 South MOLLALA AVE
OREGON CITY, OR 97045
Phone 657-8400

Permanent Decommissioning Performed By:

Company PEGASUS ENVIRONMENTAL SERV. MGMT Phone (503) 682-5802
Scheduled Date for Permanent Decommissioning 17 DEC, 1989
Method to be used: Removal ☒ In-Place ☐ Fill Material ☐

Tanks to be Decommissioned

Tank ID#	Tank Age	Tank Size	Last Product Stored
<u>#1</u>	<u>UNKNOWN</u>	<u>500 gal</u>	<u>DIESEL</u>

Are the decommissioned tanks to be replaced by new underground storage tanks? Yes ☐ No ☒
If yes, please submit a new permit application containing information on the new tanks.

Where and how will the old tanks be disposed?

Scrap	Name <u>Schnitzer Steel</u>	Location <u>Portland, Oregon</u>
Landfill	Name <u> </u>	Location <u> </u>
Stored	Name <u> </u>	Location <u> </u>
Other	Comment <u> </u>	

Signature Charles Arthur Spear Date 17 November, 1989

Return Completed Form To:

Department of Environmental Quality
UST Program - Decommissioning Notice
811 SW Sixth Ave.
Portland, Oregon 97204

For Information: (503) 229-5559 or Toll Free in Oregon 1-800-452-4011

APPENDIX 2.0

CONTRACTS



**Pegasus
Environmental
Management
Services, INC.**

RECEIVED 10 10 1989

Rec 12/8
25

AUTHORIZATION FOR SERVICES

DATE: 16 October 1989

PARTIES: PEGASUS ENVIRONMENTAL MANAGEMENT SERVICES, INC. ("Pegasus")
30250 S.W. Parkway Ave., Suite #1
Wilsonville, Oregon 97070

AND: CLACKAMAS COMMUNITY COLLEGE
19600 South Molalla Avenue
Oregon City, OR 97045 ("Client")

R E C I T A L S :

1. Pegasus is engaged in the business of industrial and commercial environmental management services.
2. Client desires to employ and retain the services of Pegasus as set forth below and Pegasus agrees to perform such services in accordance with the terms and conditions set forth in this Authorization for Services Agreement ("Agreement").

NOW THEREFORE, in consideration for the foregoing recitals and for the mutual covenants and conditions contained herein, the parties agree as follows:

1. **PROJECT:** The services described below are to be provided by Pegasus in connection with a project identified as follows ("the Project"):
2. **SCOPE OF SERVICES:** Pegasus will perform the following services for client:
 - 2.0 The attached Project Overview, Exhibit A, is incorporated by reference and made a part of this Authorization for Services.
 - 2.1 Provide a Health and Safety Plan for the safe removal of 1 X 500 gallon diesel underground storage tank.
 - 2.2 Provide labor, materials and equipment to pump, clean, excavate, remove and dispose of 1 X 500 gallon underground storage tank.
 - 2.3 Obtain samples from bottom of each excavation and analyze for contaminants.

PAGE 1 - AUTHORIZATION FOR SERVICES (REVISED 12/88)

30250 S.W. Parkway Avenue, Suite 1
Wilsonville, Oregon 97070

(503) 682-5802
Inside Oregon: 1-800-354-9033
Outside Oregon: 1-800-443-6134

2.4 Following Department of Environmental Quality approval, Pegasus will backfill the excavation area and compact backfill.

3. **TIME PERIOD FOR PERFORMANCE OF SERVICES:** Pegasus will commence the services upon execution of this Agreement and will complete project within reasonable time as dictated by outside agencies, companies or individuals. Pegasus will not be responsible for delays caused by factors beyond Pegasus' control or which could not readily have been foreseen at the time this Agreement was executed.

4. **FEE FOR SERVICES:**

4.1 Pegasus' fee for services provided shall be as indicated below (check one):

 X A lump sum fee of \$2,360.00.

 A fee amount based on personnel rates and expenses in accordance with the rates set forth on the attached Rate Schedule.

 Other:

4.2 A retainer of \$1,180.00 is due on work start date. The remainder is due Net 15 from completion of project. If on the completion of the services referred to above, or upon termination as provided herein, the total cost of the services provided is less than the amount of the initial retainer paid by client, the balance shall be returned to client within thirty (30) days.

5. **ADDITIONAL SERVICES:** Additional services (i.e., services not specified under Scope of Services) will not be provided unless Pegasus and client have agreed in writing to the scope of such additional services (i.e., by written Change Order) and the fee for such additional services.

6. **TIME OF PAYMENT:** Pegasus will submit invoices as follows: A 50% retainer is due and payable prior to scheduling commencement. In the event that an authorized change order is required, Pegasus reserves the right to invoice for the percentage of the original Scope of Work completed to the point of the change order. Similarly, Pegasus reserves the right to invoice at the point of "substantial completion" (90% of original Scope of Work) less work incomplete. Final invoice will be issued upon completion of project. Client agrees to pay this invoice within 15 days from

the date of that invoice. Any invoice that is not paid within 15 days of invoice shall be considered delinquent and thereafter include a late charge 1-1/2 percent per month from the date of the invoice until paid. In the event any payment due Pegasus under the terms of this Agreement is delinquent, Pegasus may suspend all services until all payment delinquencies have been remedied. may suspend all services until all payment delinquencies have been remedied.

7. STANDARD OF PERFORMANCE Pegasus shall use reasonable efforts to perform and complete any services provided hereunder in a good and workmanlike manner.
8. INSURANCE Pegasus shall maintain and provide minimum insurance coverage as required by the Resource Conservation and Recovery Act, and the U.S. Department of Transportation. Client hereby agrees that it will require no additional insurance coverage from Pegasus unless specifically agreed upon and stated in writing in the Service Quotation.
9. DISCLAIMERS; LIMITATIONS OF LIABILITY CLIENT ACKNOWLEDGES THAT PEGASUS IS NOT AN INDEPENDENT LABORATORY OR TESTING FACILITY. EXCEPT AS SET FORTH ABOVE, PEGASUS MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, USE OR OTHERWISE, WITH RESPECT TO ANY OF THE MATERIALS OR SERVICES WHICH MAY BE PROVIDED PURSUANT TO THIS AGREEMENT. EXCEPT FOR CIRCUMSTANCES CAUSED BY THE WILLFUL MISCONDUCT OR GROSS NEGLIGENCE OF PEGASUS, CLIENT HEREBY WAIVES ANY LIABILITY OR CLAIMS AGAINST PEGASUS FOR ANY BODILY INJURY, PROPERTY DAMAGE, LOST PROFITS, LOSS OF TIME, COMMERCIAL LOSS, OR ANY OTHER DAMAGE, WHETHER BASED UPON TORT, CONTRACT, BREACH OF WARRANTY, OR OTHERWISE, WHETHER DIRECT OR INDIRECT, CONSEQUENTIAL OR INCIDENTAL, ARISING IN ANY MANNER OUT OF THIS AGREEMENT OR OTHERWISE INCURRED BY CLIENT OR ANY THIRD-PARTY AS A RESULT OF THE USE OF THE REPORTS, DRAWINGS, SPECIFICATIONS, OR OTHER DOCUMENTS PREPARED BY OR FOR PEGASUS IN CONNECTION WITH THE WORK PERFORMED HEREUNDER. IN NO EVENT SHALL PEGASUS' LIABILITY UNDER ANY CLAIM MADE BY CLIENT ARISING IN ANY MANNER OUT OF THIS AGREEMENT EXCEED THE LESSER OF \$50,000.00 OR THE AMOUNT OF PEGASUS' FEE FOR THE SERVICES PROVIDED HEREUNDER.
10. COMMENCEMENT OF ACTIONS No lawsuit, action or claim for relief based upon any alleged breach of this Agreement, any breach of warranty, or upon any other claim arising out of or in any way connected with either party's obligations hereunder (other than an action by Pegasus to collect any amount due Pegasus from client) shall be commenced more than one year after (a) the date of breach or injury (b) or the date the service in question was first rendered, whichever is earlier.

11. REUSE OF DOCUMENTS All documents prepared by or for Pegasus pursuant to this Agreement are intended for the sole and exclusive use of Pegasus and any such use of such documents by client or others without the express written consent of Pegasus is strictly prohibited.
12. ACCESS, APPROVALS, PERMITS Client shall arrange for access to and make all provisions for Pegasus to enter upon public and private property as required for Pegasus to perform its services hereunder. Any assistance provided by Client in connection with the services to be performed hereunder by Pegasus shall be at client's sole cost and expense. Client shall furnish Pegasus with all approvals and permits as may be necessary for completion of the Project, unless otherwise directed.
13. ESTIMATES OF COST Pegasus makes no warranty, express or implied, as to the accuracy of any estimate or cost quotation provided by Pegasus to client. Client acknowledges that the actual cost of the services provided herein by Pegasus may vary from any original estimate.
14. CONSTRUCTION AND SAFETY Pegasus shall not be responsible for the means, techniques, sequences, or procedures of construction selected by contractors or the safety precautions and programs incident to the work of contractors.
15. TERMINATION Either party may terminate this Agreement at any time upon seven (7) days prior written notice to the other. In such event, Pegasus will be compensated for services performed under the Agreement to the date of termination.
16. ATTORNEY'S FEES If any legal action or any other proceeding is instituted or commenced by any party under this Agreement to enforce or construe any of its terms or to collect any sums due hereunder, the prevailing party shall be entitled to reasonable attorney's fees in such suit, action or proceeding, both at trial and on appeal, in addition to any other damages, costs and fees to which such party may be entitled by law. In the event this Agreement should be referred to an attorney at law or to an agent for collection, client agrees to pay such reasonable attorney's or agent's fees as Pegasus may incur in the collection hereof of any amount due hereunder or any part thereof even if no suit or action be instituted herein.
17. MISCELLANEOUS PROVISIONS
 - 17.1 Applicable Law This Agreement shall be subject to and governed by the laws of the State of Oregon.

- 17.2 Severability The invalidity of all or any part of any section of this Agreement shall not render invalid the remainder of this Agreement or the remainder of such section. If any provision of this Agreement is so broad as to be unenforceable, such provision shall be interpreted to be only so broad as is enforceable.
- 17.3 Entire Agreement; Amendment This Agreement constitutes the entire agreement between the parties and supercedes all prior and contemporaneous agreements and negotiations, whether written or oral, between the parties with respect to the subject matter hereof. This Agreement may not be changed orally but only by an agreement in writing and signed by the parties to be bound.
- 17.4 Waiver Pegasus may, at its discretion, waive any provision or condition of this Agreement. Such waiver shall not be construed or deemed to be a waiver of any other provision or condition of this Agreement, nor a waiver of a subsequent breach of the same provision or condition unless such waiver be so expressed in writing and signed by the party to be bound.
- 17.5 Headings The paragraph headings of this Agreement are for convenience only, and shall not be considered or referred to in resolving questions or interpretation.
- 17.6 Assignment and Delegation Pegasus may assign its rights under this Agreement and may subcontract work to be performed hereunder. Subject to the foregoing, this Agreement shall inure to the benefit of, and be binding upon, the successors and assigns of the parties.
- 17.7 Agreement to Perform Necessary Acts Each party agrees to perform any further acts and execute and deliver any further documents which may be reasonably necessary or otherwise required to carry out the provisions of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized representative as of the day and year first written above.

PEGASUS ENVIRONMENTAL MANAGEMENT
SERVICES, INC:

By Paul M. Hopp

Title Sales Manager

Date 10/16/89

CLIENT:

Caryl Patterson

CLACKAMAS COMMUNITY COLLEGE

Don Fisher

RECEIVED
Dec 12/18 *LD*

Clackamas Community College
19600 South Molalla Avenue
Oregon City, Oregon 97045

ACKNOWLEDGEMENT OF CREDIT TERMS

TIME OF PAYMENT: Pegasus will submit invoices as follows: A 50% retainer is due and payable prior to scheduling commencement. In the event that an authorized change order is required, Pegasus reserves the right to invoice for the percentage of the original Scope of Work completed to the point of the change order. Similarly, Pegasus reserves the right to invoice at the point of "substantial completion" (90% of original Scope of Work) less work incomplete. Final invoice will be issued upon completion of project. Client agrees to pay this invoice within 15 days from the date of that invoice. Any invoice that is not paid within 15 days of invoice shall be considered delinquent and thereafter include a late charge 1-1/2 percent per month from the date of the invoice until paid. In the event any payment due Pegasus under the terms of this Agreement is delinquent, Pegasus may suspend all services until all payment delinquencies have been remedied.

Date 12-14-89

By Carol Patterson
Title Director of Plant Services

RECEIVED
DEC 12 1989
Planning & Construction
CLACKAMAS COMMUNITY COLLEGE

EXHIBIT A
PROJECT OVERVIEW

Client: Clackamas Community College
 19600 South Molalla Avenue
 Oregon City, Oregon 97045

This proposal is based on the following facts and observations:

1. The tank size is 1 X 500 gallons.
2. The tank is empty.
3. Contaminated soil excavation and disposal are not included in this contract.
4. Piping will be flushed, if required, and capped.
5. Pumps will be disconnected and left at client's facility.
6. Any electric service to pump island will be disconnected by client.

PEGASUS ENVIRONMENTAL MANAGEMENT
SERVICES, INC.

By Paul A. Hays

Title Sales Manager

Date 10/16/89

CLIENT:

Carol Patterson

Director of Plant Services

12-14-89

APPENDIX 3.0

DOCUMENTATION

THIS SHIPPING ORDER

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. _____

Carrier's No. 112CARRIER: PEMSISCAC PEMSIDate 12/22/89

TO: Consignee

SCHMITZER STREET

FROM: Shipper

CLACKAMUS C. College

Street

Street

30250 SW Parkway

Destination

PDX, OR

Zip

Origin

Wilsonville, OR

Zip

97070Route: NOV 12/22/89

Vehicle Number

Number of Shipping Units

O
HM

Kind of Packaging, Description of Articles, Special Marks and Exceptions

WEIGHT
(subject to correction)

RATE

CHARGES
(For Carrier use only)11000g UST2000#Remit C.O.D. to:
Address:
City:

State:

Zip:

COD

Amt: \$

C.O.D. FEE:

Prepaid ☐ \$Collect ☐

TOTAL CHARGES:

\$

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

FREIGHT CHARGES

FREIGHT PREPAID
Except when box at right is checked ☐ CHECK BOX
if charges are to be collectRECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per _____

SHIPPER:

RECEIVER:

CARRIER:

PER:

DATE:

PER:

DATE: 12/22/89EMERGENCY RESPONSE
TELEPHONE NUMBER () _____

Manned 24 hours/day by a person with knowledge of the hazards of the material and emergency response information or who has access to a person with that knowledge.

Mark with an "X" to designate Hazardous Material as defined in Title 49 of the code of Federal Regulations Governing Transportation of Hazardous Materials. The use of this Column is an optional method of designating hazardous materials on bills of lading per section 172.201 and 172.202(b) of the regulations governing the transportation of such materials.

10 BLS-A4 (Rev. 9/88)

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.