

UST # 100410

SITE ASSESSMENT REPORT

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Conducted at:

Harts Service Center
2625 Montlake Place E
Seattle, WA 98112

Prepared for:

Owner
DOE
City

October 5, 2000

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I. EXECUTIVE SUMMARY

AA ENVIRO ASSESSMENT, INC. (AEA) served as Harts Service Center's representative in the Underground Storage Tank (UST) decommissioning project and Site Assessment conducted at 2625 Montlake Place East, Seattle, WA. Fieldwork included excavating to the top of the tank, decommissioning, soil sampling/laboratory analysis, and the abandonment-in-place of one (1) 300 gallon waste oil Underground Storage Tank (UST) on August 8, 2000. Our observations and findings were then compiled to prepare a site closure report.

Our investigations of the subject site were conducted under the guidelines set forth in the Washington State Department of Ecology "Guidance for Site Checks and Site Assessments for Underground Storage Tanks" (October, 1992 revision).

During the excavation to the top of the tank, visual and olfactory observation revealed readily detectable contaminants in the soils covering tank #1 (Regulated waste oil tank) 1.36 tons of Petroleum Contaminated Soils (PCS) were removed and hauled off site to Woodworth & Company located in Tacoma. Soil samples were collected through the bottom of the tank center and from both ends of the tank. The samples were analyzed for Diesel and Heavy Oil by NWTPH-Dx /Dx Extended and Total Metals. Based on laboratory analysis, no hydrocarbon contamination existed within the soils beneath the tank. However, the soils covering the tank showed analytical results well above MTCA Method A cleanup standards at 2,200ppm for oil. Upon receipt of laboratory results, the tank was slurry filled per the owners instructions.

Based on our investigations and observations, and confirmation of laboratory results, AEA recommends a characterization be conducted in an attempt to determine the contamination plume surrounding the tank both vertically and laterally.

II. BACKGROUND AND INTRODUCTION

The subject site is Harts Service Center located at 2625 Montlake Place E., Seattle, WA. The site serves as an active gasoline service station. The regulated waste oil tank is the only subject tank addressed in this report. Surrounding land use includes residential homes across Montlake Place E to the north, a Market attached to the building adjacent east, a parking lot directly behind the site south, and the exit off the freeway is adjacent west.

Zoning in the area is considered Commercial. Power to the site is located overhead.

The site is covered with asphalt with concrete covers over the tanks. The site is relatively flat. The UST's original installation date was sometime in the late 1940's.

III. UST DATA

The UST is single wall steel. The capacity of the tank is 300 gallons.

The bedding/backfill surrounding the tank was sand. There was a 4 inch concrete cover and approximately 3 feet of soil to the top of the tank. The total depth to the bottom of the tank was approximately 7.5 feet.

IV. REGIONAL CHARACTERISTICS

A) Climate

The climate of King County is marine, with cool, dry summer months and mild, but wet, winters. This general type climate is shared with the rest of western Washington. Rainfall for the area averages approximately sixty (60) inches annually (US Weather Bureau) with a loss of almost seventy-five (75) percent to evaporation and transpo-evaporation.

B) Soils/Hydrogeology

Soils at the subject site to depths of 9 feet appear to be classified as SM (silty sands, sand-silt mixtures). The water table was not encountered at a depth of approximately 9 feet. The site is provided with water and sewer by the city. Further hydrogeological and soil characteristics of the subject site will be determined and provided in a Site Characterization report. The nearest body of water is Lake Union located approximately 700 feet west.

V. DISCUSSION

The tank was pumped and triple rinsed by Marine Vacuum Service located in Seattle. APS Services located in Pacific, WA, provided decommissioning supervision. The UST was decommissioned according to all local, County, State, and Federal regulations. All applicable permits were acquired for the project and are attached in Appendix E.

A hole was cut in the top of the tank and large enough for confined space entry. Soil samples E1, B2 and B3 were collected from beneath the tank by boring through the center and both ends. The soil samples were collected at approximately 12" below the tank using sterilized hand tools on August 9 and 13. The samples were analyzed for diesel and oil by NWTPHDx/Dx Extended and Pb, Cd, Cr, & As by Method 7000 series. The chemical analyses for these samples were non-detect or below cleanup standards.

The stockpiled soils were placed on visqueen and one soil sample (#CS) was collected and analyzed for diesel and heavy oil by Method NWTPH-Dx, and Pb, Cd, Cr, & As by Method 7000 Series on August 9. Metals. Results of the analysis was 2,200ppm for heavy oil, well above cleanup standards of 200ppm.

Groundwater was not encountered at during sampling procedures, however, more information should be collected to determine surface drainage characteristics and depths to groundwater during the site characterization.

No underground utility lines, sewers, storm drains, drop boxes, or overhead power lines were disrupted or altered by the soils excavation and sampling procedures as there were none of these fixtures within the operating area of the tank closure.

The results of the chemical analyses are presented below:

Results of the chemical analysis were discussed with the owner and it was recommended that the tank be removed in an effort to determine the extent of PCS surrounding the tank and pursue a possible cleanup by "chasing" the impacted soils. The owner chose to abandon-in-place.

On August 15, APS supervised the abandonment-in-place using slurry fill. The slurry fill was provided by Stoneway Concrete located in Seattle, WA.

VI. QUANTITATIVE ANALYSIS

Soil samples were collected from beneath the tank ends and center, and one (1) foot below the bottom of the tank. The samples were analyzed in accordance with DOE requirements for underground storage tank decommissioning. Independent laboratory analyses were performed by Transglobal Environmental Geosciences Northwest, Inc., 7110 38th Drive SE, Lacey, WA. All laboratory reports and chain-of custody records are provided in Appendix C.

VII. METHODS OF SAMPLING

Soil samples were collected using hand tools. Samples were selected from at least 6 inches into the soil to ensure collection from unexposed areas and to minimize the loss of volatile contaminants. Tools were decontaminated between samples with Alconox solution wash and TSP rinsate followed with a distilled water rinse.

VIII. CONCLUSIONS & RECOMMENDATIONS

There was one (1) regulated underground storage tank successfully decommissioned by abandonment-in-place in August, 2000. The independent laboratory analysis indicated that all samples collected from beneath the tank yielded no contamination levels, and the soil sample collected from the stockpiled soils above the tank indicates the soils do not meet DOE MTCA Method A Cleanup Standards.

Based on the results of our observations, investigations, and laboratory analysis, it appears the soils above the tank have been impacted.

AEA recommends a site characterization be performed in the area surrounding the tank to determine the extent of the contamination plume both vertically and laterally for tank #1.

VIII. LIMITATIONS:

AEA does not assume liability for any other potential release, threatened release or other conditions at the subject site.

AEA is not responsible for any claims, damages, information not disclosed, or liabilities associated with the interpretations of findings presented in this report.

If you have questions, or need further information, feel free to call. We appreciate the opportunity to provide our services for this project.


Cathy J. Frey-Hartwell, Site Assessor

PHOTOGRAPH



A
N

Subject
Site

Tank in ground

Appendix A

SITE SAMPLING DIAG

**Market
(attached)**

**Parking Lot
Behind Station**

Station/Store

Exit off Freeway

B3 @ 85 - 9

B2 @ 85 - 5

23RD AVE. E.

Montlake Blvd.

Harts Service Center
2625 Montlake Place E.
Seattle, WA 98112



**ENVIRO
ASSESS**

Handwritten signature or initials

MTCA Method A Cleanup Standards
--

Cleanup Levels

<u>Hazardous Substance</u>	<u>Ground Water</u>	<u>Soil</u>
Benzene	5 ppb ¹	0.5 ppm
Ethylbenzene	30 ppb	20.0 ppm
Toluene	40 ppb	40.0 ppm
Xylene	20 ppb	20.0 ppm
Total Petroleum Hydrocarbons (TPH):		
Gasoline TPH	1000 ppb	100.0 ppm
Diesel & Other TPH	1000 ppb	200.0 ppm
Total Lead	5 ppb	250.0 ppm

¹ If the amount of benzene in ground water is above 1 ppb, the owner or operator must submit a state remedial investigation/feasibility report (WAC 173-340-450(5)(a)(i)).

Appendix B



Home | Help?

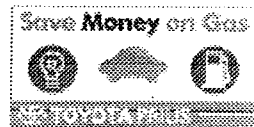
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- TRAVEL GUIDE
- CITY GUIDE

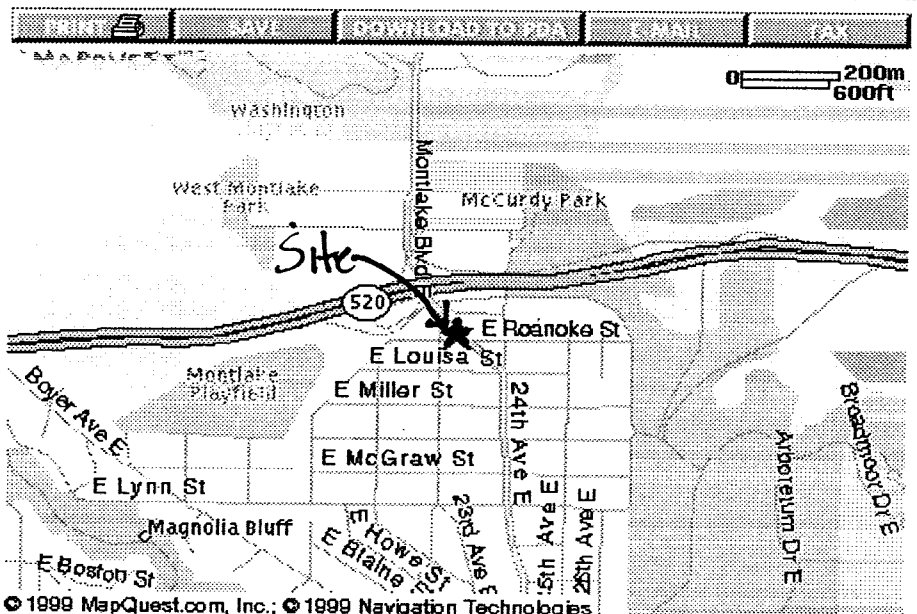
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- Location
- Directions from this location
- Advanced Options:
 - Customize Map
 - Print Map

Sponsors



2625 F MONTI AKE PI F. SEATTI F. WA. 98112-2227. IIS Save this Address

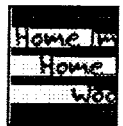


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	ZOOMING <input type="radio"/> Zoom Out <input type="radio"/> Zoom In Continent Region City Street	

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- Seattle M
- Seattle E

Places of Interest

HELP ?

Click checkboxes below to show / remove locations on the map.

- Attractions
- Dining
- Education
- Lodging
- Money
- Recreation
- SixFlags
- Transportation

- Attractions (Landmarks, National Parks, Museums,)
- Dining (Fast Food, Fine Dining, Mexican, Italian,)
- Education (K-12, Universities,)
- Lodging (Hotels, Motels, Bed & Breakfasts,)
- Money (Banks, ATMs,)
- Recreation (Golf Courses, Ski Areas, Stables,)
- Transportation (Airports, Train Stations, Bus Stations,)

Sponsored Links

Appendix C

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

**800 Sleater-Kinney SE, PMB #262
Lacey, Washington 98503-1127**

**Mobile Environmental Laboratories
Environmental Sampling Services**

**Telephone: 360-459-4670
Fax: 360-459-3432**

August 10, 2000

Cathy Frey-Hartwell
AA Enviro Assessment, Inc.
6501 27th Lane SE
Lacey, WA 98503

Dear Ms. Frey-Hartwell:

Please find enclosed the analytical data report for the Mont Lake Texaco Project in Seattle, Washington. Soil samples were analyzed for Diesel and Oil by NWTPH-Dx/Dx Extended, Pb, Cd, Cr, & As by Method 7000 series on August 9, 2000.

The results of these analyses are summarized in the attached table. All soil values are reported on a dry weight basis. Applicable detection limits and QA/QC data are included. An invoice for this analytical work has been sent to APS Services.

TEG Northwest appreciates the opportunity to have provided analytical services to AA Enviro Assessment for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,



Michael A. Korosec
President

QA/QC FOR ANALYTICAL METHODS

GENERAL

The TEG Northwest Laboratory quality assurance and quality control (QA/QC) procedures are conducted following the guidelines and objectives which meet or exceed certification/-accreditation requirements of California DOHS, Washington DOE, and Oregon DEQ. The Quality Control Program is a consistent set of procedures which assures data quality through the use of appropriate blanks, replicate analyses, surrogate spikes, and matrix spikes, and with the use of reference standards that meet or exceed EPA standards.

When analyses are taking place on-site with the mobile lab, the need for Field Blanks or Travel/Trip Blanks is eliminated. If there is going to be a delay before sample preparation for analysis, the sample is stored at 4^o C.

ANALYTICAL METHODS

TEG Northwest Labs use analytical methodologies which are in conformity with U. S. Environmental Protection Agency (EPA), Washington DOE, and Oregon DEQ methodologies. When necessary and appropriate due to the nature or composition of the sample, TEG may use variations of the methods which are consistent with recognized standards or variations used by the industry and government laboratories.

TPH-Gasoline, TPH-Diesel

(Gasoline and/or Diesel, Modified EPA 8015, NWTPH-Gx and NWTPH-Dx)

A check standard is run at the beginning of the day. 1) A close standard is run at the end of the day. 2) Both open and close standards must be within 15% of the continuing calibration curve value. All samples are prepared with a surrogate spike, and the recovery must be between 65% and 135% unless high sample concentrations interfere with the determination of the recovery percentage. A duplicate sample is run at a rate of 1 per 10 samples. At least 1 method blank is run per 20 samples analyzed.

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

MONT LAKE TEXACO PROJECT
Seattle, Washington
APS \ AEA

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Oil (mg/kg)
Method Blank	8/9/00	94	nd	nd
E1	8/9/00	105	nd	nd
CS	8/9/00	103	nd	2,200
Method Detection Limits			20	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Marilyn Farmer
DATA REVIEWED BY: Sherry Chilcutt

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

MONT LAKE TEXACO PROJECT
Seattle, Washington
APS \ AEA

Heavy Metals in Soil by EPA-7000 Series

Sample Number	Date Analyzed	Lead (Pb)	Cadmium (Cd)	Chromium (Cr)	Arsenic (As)
		EPA 7420 (mg/kg)	EPA 7130 (mg/kg)	EPA 7190 (mg/kg)	EPA 7061 (mg/kg)
Method Blank	8/9/00	nd	nd	nd	nd
E1	8/9/00	nd	nd	nd	nd
Method Detection Limits		5	1	20	20

"nd" Indicates not detected at listed detection limits.

ANALYSES PERFORMED BY: Sherry Chilcutt

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

MONT LAKE TEXACO PROJECT
 Seattle, Washington
 APS \ AEA

QA/QC Data - Total Metals EPA-7000 Series Analyses

Sample Number: ENCO 43A							
Matrix Spike			Matrix Spike Duplicate			RPD	
Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	RPD (%)	
Lead	125	108	86	125	112	90	3.64
Cadmium	25	20.5	82	25	21	84	2.41
Arsenic	63	55	88	63	60	96	8.70

Laboratory Control Sample			
Spiked Conc. (mg/kg)	Measured Conc. (mg/kg)	Spike Recovery (%)	
Lead	125	150	120
Cadmium	25	28	112
Arsenic	63	58	93

ACCEPTABLE RECOVERY LIMITS FOR MATRIX SPIKES: 65%-135%
 ACCEPTABLE RPD IS 20%

ANALYSES PERFORMED BY: Sherry Chilcutt

TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

**800 Sleater-Kinney SE, PMB #262
Lacey, Washington 98503-1127**

**Mobile Environmental Laboratories
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Fax: 360-459-3432**

August 16, 2000

Cathy Frey-Hartwell
AA Enviro Assessment, Inc.
6501 27th Lane SE
Lacey, WA 98503

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TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

MONT LAKE PROJECT
Seattle, Washington
APS/AEA

Analyses of Diesel & Oil (NWTPH-Dx/Dx Extended) in Soil

Sample Number	Date Analyzed	Surrogate Recovery (%)	Diesel (mg/kg)	Oil (mg/kg)
Method Blank	8/15/00	83	nd	nd
B2	8/15/00	116	nd	nd
B3	8/15/00	116	nd	nd
Method Detection Limits			20	40

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE : 65% TO 135%

ANALYSES PERFORMED BY: Marilyn Farmer

DATA REVIEWED BY: Sherry Chilcutt

Appendix D



AS PER An. STE ADMASU N.W REGION
UNDERGROUND STORAGE TANK

30 DAY NOTICE

See back of form for instructions

Please check the appropriate box: Intent to Install Intent to Close Both

Once validated by Ecology, this form serves as your temporary permit for the tanks listed below.
Wave 30 day Requirement
R. [Signature]
NWAO
425-649-7219

ANNETTE ADMASU N.W REGION

Site Information

Owner Information

(This form will be returned to this address)

Site ID Number 100410
(Available from Ecology if the tanks are registered)
Site/Business Name HART'S SERVICE CENTER
Street
Site Address 2625 MOUNTLAKE PLACE E
City/State SEATTLE, WA.
Zip Code 98112 Telephone (206) 322-5441

UST Owner/Operator Jim HART
Mailing Address 2605 22ND AVE E.
Street
City/State SEATTLE WA P.O. Box
Zip Code 98112 Telephone (360) 658 8998

Tank Installation Company (if known). Fill out this section ONLY if tanks are being installed.

Service Company AFS SERVICES Contact Name DAVE THOMAS
Address _____
Street _____ P.O. Box _____
City _____ State _____ Telephone () _____
Zip Code _____

Tank Permanent Closure Company (if known). Fill out this section ONLY if tanks are being closed.
Service Company _____ Contact Name _____
Address _____
City _____ State _____ Telephone _____

Tank Closure Information

Tank Installation Information

Fill out this section ONLY if tanks are being closed.

Fill out this section ONLY if tanks are being installed.

Tank ID	Projected Closure Date	Tank Capacity	Substance Stored	Date Tank Was Used	Is This a Production Tank?	Is This a Tank With a Valve?
<u>100410</u>	<u>11/02</u>	<u>1000</u>	<u>Gasoline</u>	<u>10/98</u>	<u>Yes</u>	<u>Yes</u>

Tank ID	Approx. Install Date



UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

For Office Use Only	
Owner #	_____
Site #	_____

INSTRUCTIONS:

When a release has **not** been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person registered with the Department of Ecology. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all the tanks for which the site check and site assessment is being conducted. Use the tank ID number if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This form must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section
Department of Ecology
P. O. Box 47655
Olympia, WA 98504-7655

SITE INFORMATION

Site ID Number (on invoice or available from Ecology if the tanks are registered): _____

Site/Business Name: Harts Service Center

Site Address: 2625 Montlake, PLE Telephone: (206) 322-5441
Street

Seattle WA 98112
City State ZIP-Code

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
<u>1</u>	<u>300 g</u>	<u>waste oil</u>

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

- Check one:
- Investigate suspected release due to on-site environmental contamination.
 - Investigate suspected release due to off-site environmental contamination.
 - Extend temporary closure of UST system for more than 12 months.
 - UST system undergoing change-in-service.
 - UST system permanently closed-in-place.
 - UST system permanently closed with tank removed.
 - Abandoned tank containing product.
 - Required by Ecology or delegated agency for UST system closed before 12/22/88.
 - Other (describe): _____

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

	YES	NO
1. The location of the UST site is shown on the vicinity map.	Y	
2. A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in the Site Assessment Guidance)	Y	
3. A summary of UST system data is provided. (see Section 3.1) <i>waste oil only</i>	Y	
4. The soils characteristics at the UST site are described. (see Section 5.2) <i>partial</i>	Y	
5. Is there apparent groundwater in the tank excavation?	Y	
6. A brief description of the surrounding land is provided. (see Section 3.1)	Y	
7. Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	Y	
8. A sketch or sketches showing the following items is provided:		
- location and ID number for all field samples collected	Y	
- groundwater samples distinguished from soil samples (if applicable)	WA	
- samples collected from stockpiled excavated soil	Y	
- tank and piping locations and limits of excavation pit	WA	
- adjacent structures and streets	Y	
- approximate locations of any on-site and nearby utilities	Y	
9. If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	WA	
10. A table is provided showing laboratory results for each sample collected including: sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	Y	
11. Any factors that may have compromised the quality of the data or validity of the results are described.	WA	
12. <i>The results of this site check/site assessment indicate that a confirmed release of regulated substance has occurred.</i>	Y	

SITE ASSESSOR INFORMATION

Cathy Frey-Hartwell
 PERSON REGISTERED WITH ECOLOGY

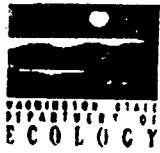
AA EDIRED ASSESSMENT, INC
 FIRM AFFILIATED WITH

BUSINESS ADDRESS: 5150 College St. SE #0201 TELEPHONE: 360 459-5366

Lacey CITY WA STATE 98503 ZIP+CODE

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173-360 WAC.

10-5-00 Date Cathy Hartwell Signature of Person Registered with Ecology



UNDERGROUND STORAGE TANK Closure and Site Assessment Notice

FOR OFFICE USE ONLY	
Site ID #:	_____
Owner ID #:	_____

See back of form for instructions

Please the appropriate box(es)

- Temporary Tank Closure
 Change-In-Service
 Permanent Tank Closure
 Site Check/Site Assessment

Site Information

Owner Information

(This form will be returned to this address)

Site ID Number _____ UST Owner/Operator Jim Hart or Jack Baker
(Available from Ecology if the tank is empty)

Site/Business Name Harts Service Center Mailing Address Same
Street

Site Address 2625 Montlake Pl. E Street _____
Street

City/State Seattle WA City/State _____ P.O. Box _____
City/State

Zip Code 98112 Telephone 206.322.5441 Zip Code _____ Telephone 360.158.8998
Zip Code Telephone

Owner's Signature [Signature]

Tank Closure/Change-In-Service Company

Service Company APS Services, Inc.
 Certified Supervisor Melvin Dutt Decommissioning Certification No. ASI 3200453
Service Company Certified Supervisor Decommissioning Certification No.

Supervisor's Signature [Signature]

Address 117 Frontage Rd NE Bldg C
Street P.O. Box _____
Pacific WA 98047 Telephone 800.660.6557
City State Zip Code Telephone

Site Check/Site Assessor

Certified Site Assessor Cathy Frey
 Address Street 5150 College St. SE P.O. Box _____
City State Zip Code Telephone
Lacey WA 98503 Telephone 360.459.5566

Tank Information

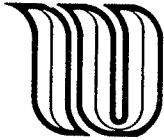
Contamination Present at the Time of Closure

Tank ID	Closure Date	Closure Method	Tank Capacity	Substance Stored
<u>#1</u>	_____	<u>in place</u>	<u>300 g</u>	<u>water oil</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Yes
 No
 Unknown
 Check unknown if no obvious contamination was observed or sample results have not yet been received from analytical lab.

Yes
 No
 If contamination is present, has release been reported to the appropriate regional office?

Appendix E



Woodworth & Company, Inc.
GENERAL CONTRACTORS

1200 East D Street / Tacoma, Washington 98421
 Telephone (253) 383-3585



LAKEVIEW PIT TICKET

Contractors Lic. # WOODW 377NO



Ticket # 459723
 Master REBECCA

#0007-60

CAUTION: HOT ASPHALT WILL BURN YOU!

MIKE LINNANE

RECEIVED *

CUSTOMER: T. P. S. 81384		PURCHASE ORDER: T. P. S. TECH. # 2994				JOB LOAD		JOB TONS	
						TOTAL		1.36	
DATE 08/15/00		PLANT		SILO #		TRUCK		SEQUENCE	
TIME 8:50				JOB 60-		0772			
MIXTURE 200 CONT. SOIL		GROSS		TARE		NET WT. TONS		PRICE	
		15720		13000		1.36		TOTAL	
SPECIAL INSTRUCTIONS						2720 Net LB 2		TAX %	
						Net Metric Tons		PAY THIS AMOUNT	
						1.23			

PIT 8160

X

CUBIC
YDS



REMARKS

SCALE OPERATOR

0001-60

Manifest

**TPS Technologies Soil Recycling
Non-Hazardous Soils**

Manifest #

Date of Shipment:	Responsible for Payment: Consultant	Transporter Truck #:	Facility #: A03	Given by TPS: 02994	Load #: 001
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Generator's Name and Billing Address: HART'S SERVICE CENTER 2625 MOUNTLAKE PLACE E. SEATTLE, WA 98403 USA	Generator's Phone #: (425) 503-6402	Generator's US EPA ID No.:
	Person to Contact: JACK BAKER	
	FAX#:	Customer Account Number with TPS: 3HARTSS

Consultant's Name and Billing Address: APS SERVICES 117 FRONTAGE ROAD Bldg. C PACIFIC, WA 98047 USA	Consultant's Phone #: (253) 735-2525	
	Person to Contact: EVERETT DUNHAM	
	FAX#: (253) 735-2678	Customer Account Number with TPS: 1001426

Generation Site (Transport from): (name & address) HART'S SERVICE CENTER 2625 MOUNTLAKE PLACE E. SEATTLE, WA 98403 USA	Site Phone #: (425) 503-6402	BTEX Levels
	Person to Contact: JACK BAKER	TPH Levels
	FAX#: (425) -	AVG. Levels

Designated Facility (Transport to): (name & address) TPS Technologies Inc. 2800 - 104th Street Court South Lakewood, WA 98499 USA	Facility Phone #: (253) 584-8430	Facility Permit Numbers
	Person to Contact: Renee Avelino	
	FAX#: (253) 584-8309	

Transporter Name and Mailing Address: APS SERVICES 117 FRONTAGE ROAD NORTH BLDG. C PACIFIC, WA 98047 USA	Transporter's Phone #: (253) 735-2525	Transporter's US EPA ID No.:
	Person to Contact: DAVE THOMAS	Transporter's DOT No.:
	FAX#: (253) 735-2678	Customer Account Number with TPS: JAPSSER

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand <input type="checkbox"/> Organic <input type="checkbox"/>	0 - 10% <input type="checkbox"/>	Gas <input type="checkbox"/>					
Clay <input type="checkbox"/> Other <input type="checkbox"/>	10 - 20% <input type="checkbox"/>	Diesel <input type="checkbox"/>					
	20% - over <input type="checkbox"/>	Other <input type="checkbox"/>					
Sand <input type="checkbox"/> Organic <input type="checkbox"/>	0 - 10% <input type="checkbox"/>	Gas <input type="checkbox"/>		NET TONS =			
Clay <input type="checkbox"/> Other <input type="checkbox"/>	10 - 20% <input type="checkbox"/>	Diesel <input type="checkbox"/>					
	20% - over <input type="checkbox"/>	Other <input type="checkbox"/>					

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: <input type="checkbox"/> Generator <input type="checkbox"/> Consultant	Signature and date:	Month	Day	Year
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Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

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

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

Print or Type Name: RENEE AVELINO - CSM	Signature and date:
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Please print or type.

Generator and/or Consultant

Transporter

Recycling Facility

RECEIVED

JUL 17 2000



Your Seattle Fire Department

PERMIT SECTION APPLICATION FOR TEMPORARY PERMIT

Permit Code No.: 7908 Title: COMMERCIAL FLAMMABLE/COMBUSTIBLE LIQUID, TANK DECOMMISSIONING

Fee: \$98.00 Code Reference: SFC 7901.3

7-17-00 Date Received

8-14-00 Date Issued

8-14-00 Expiration Date/Time

Firm Name: APS SERVICES

Phone: 253 735 2525

Firm Address: 117 FRONTAGE Rd. N. BLDG C City: PACIFIC

State: WA Zip: 98047-1025

Job Site: 2625 MOUNTLAKE PLACE E. SEATTLE WA.

Person In Charge: DAVE THOMAS

Phone: (253) 735-2525 / cell (253) 606-5054

Number of Tank(s): 1

Tank Size(s): 500 GALLON MEL #

Product(s) Previously Contained: W/O

Hot Work: Yes No

Removal Abandonment-in-Place

Remittance for permit fee as shown above must be returned with this application to:

Seattle Fire Department Permits Section 220 Third Avenue South Seattle, WA 98104-2608

Make Checks Payable To: City of Seattle

Procedures: Call 233-7106, at least 24 hours prior to needed inspection time to arrange for an appointment. Appointments must be confirmed by an inspector.

TANKS MAY BE DECOMMISSIONED ONLY AFTER FIRE DEPARTMENT INSPECTION

Permit Conditions:

- 1. Excavation of any tank prior to inspection by the Fire Marshal's Office is prohibited. EXCEPTION: Removal of asphalt or concrete over the tank is permitted.
2. Two (2) portable fire extinguishers with a minimum rating of 40 BC shall be on site within 50 feet of the operation. Fire extinguishers shall be inspected, approved and certified annually.
3. Rope or ribbon barricades shall be provided circling 10 feet from the operation or be enclosed in a fenced yard.
4. "No Smoking" signs shall be posted in readily visible locations.
5. No hot work is allowed on a tank unless the tank is certified "safe for hot work" by a marine chemist.
6. A separate Fire Department permit (Code 4913) or a validation number is required for cutting and welding operations.

Special Permit Conditions:

FMO USE Receipt No.: 5-13773 Check No.: 7086 Application ID#: 33366 APPROVED BY Inspector: HEIN FMO Date: 8-14-00



RENTON (Plant #10) 1915 Maple Valley Hwy., Renton
 SEATTLE (Plant #11) 3803 E. Marginal Wy S., Seattle
 TUKWILA (Plant #12) 17024 W. Valley Hwy., Tukwila
 CEDAR SHORES (Plant #20) 21010 Cedar Grove Rd. S.E., Maple Valley
 A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC.

DELIVERY TICKET

SALES/PLANT &
 ORDER DESK (425) 226-1000
 FAX (425) 228-4924

ACCOUNTING: 9125 TENTH AVENUE SOUTH
 SEATTLE, WA 98108 • (206) 762-2566

TICKET TIME 13:00 AM	LEAVE PLANT 13:00	ARRIVE JOB 14:20	BEGIN POUR 14:20	FINISH POUR 14:20	LEAVE JOB 14:20	ARRIVE PLANT
DATE 08/15/2000	CUSTOMER NO. 050741	ORDER NO. 8551	PROJECT	PLANT # 011		DELIVERY TICKET NO. 158588
CUSTOMER NAME A P S SERVICES			CUSTOMER P.O.	JOB NO. JOB001		
JOB ADDRESS 2625 MONTLAKE PL E / SEATTLE			COLLECT ON DELIVERY (C.O.D.)			
MAP ZONE 565-D1			<input type="checkbox"/> CASH <input type="checkbox"/> CHECK # _____ <input type="checkbox"/> CHARGE <input type="checkbox"/> VISA <input type="checkbox"/> MASTERCARD <input type="checkbox"/> DISCOVER			
SPECIAL INSTRUCTIONS TAKE STONEFLOW ✓			CARD # _____ EXP. / _____			

QUANTITY	U.M.	PRODUCT CODE	DESCRIPTION	UNIT PRICE	TAX	AMOUNT
2.00	CY	1121	150 CMT SMD 200 PSI MIX W/51			
6.00	EA	30001	MIN HAUL-LESS THAN 8 YDS			
2.00	CY	30075	ENVIRONMENTAL SURCHARGE			

JOB TOTAL 2.00	SLUMP 3.00	SPACING	ORDERED BY	SUB-TOTAL
TRUCK NO. 364	DRIVER NIEMELA, STEVE		REMIT TO 9125 10th AVE. S. SEATTLE, WA 98108 TERMS ON REVERSE	SALES TAX
WATER ADDED ON-SITE AUTHORIZED BY: _____ _____ gals. to full load _____ gals. to 2/3 load _____ gals. to 1/3 load				BALANCE FORWARD
ADDITION OF WATER WILL REDUCE STRENGTH. WATER ADDED AT CUSTOMER'S OWN RISK.				TOTAL AMOUNT

CYLINDERS <input type="checkbox"/> YES <input type="checkbox"/> YES <input type="checkbox"/> YES <input type="checkbox"/> NONE	REASON FOR DELAY TIME: <input type="checkbox"/> JOB NOT READY <input type="checkbox"/> LACK OF HELP <input type="checkbox"/> ADDING WATER <input type="checkbox"/> WHEEL BARROW JOB <input type="checkbox"/> ARRIVED JOB EARLY <input type="checkbox"/> TRAFFIC <input type="checkbox"/> TRAIN <input type="checkbox"/> DRAW BRIDGE <input type="checkbox"/> WAITING FOR TRUCK TO UNLOAD <input type="checkbox"/> PUMP BLOW-BACK <input type="checkbox"/> WAITING ON PUMP <input type="checkbox"/> WASH PUMP <input type="checkbox"/> OTHER _____
- WARNING - IRRITATION TO SKIN AND EYES SEE REVERSE (16)	RELEASE — CUSTOMER RELEASES AND AGREES TO HOLD HARMLESS STONEWAY CONCRETE, A DIVISION OF GARY MERLINO CONSTRUCTION COMPANY, INC. FOR ANY DAMAGE TO HIS REAL OR PERSONAL PROPERTY CAUSED BY DELIVERY OF MATERIALS LISTED ABOVE. DETAILS OF SITE AGREEMENT ACCESS ON BACK (5).
7 MINUTES PER CUBIC YARD UNLOADING TIME INCLUDED. Additional unloading time charged at current hourly truck rate.	NOT RESPONSIBLE FOR COLOR VARIATION OR SURFACE DISCOLORATION
CUSTOMER SIGNATURE _____ PRINT NAME _____ DATE _____	

BATCH DATA:

DELIVERY TICKET NO. _____