



SITE CHARACTERIZATION and DELINEATION REPORT

Walsh Construction Company – Holly Park Project

W.D.O.E. Site ID # Not Registered

W.D.O.E. NW Regional Office Tracking Number: 535814

Parcel Number: 2724049085

SITE LOCATION:

**7301 Martin Luther King Way South
Seattle, WA 98118**

SITE CONTACT:

**Jerod Kaufman, Superintendent
Walsh Construction Company, Inc.
Holly Park Phase III
7315 – 39th Avenue South
Seattle, WA 98118
206-760-8004**

Petroleum Contaminated Soil Remediation Project

September 9, 2003

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Petroleum Contaminated Soil Remediation Project

This report was compiled by Tom Langseth, registered and licensed with the Washington State Department of Ecology to perform environmental site assessments in accordance with WAC 173-340, through the International Code Council.

This site is located in King County, inside the city limits of Seattle, Washington. The property is located in a residential, light commercial area, southeast of Seattle city center. The Seattle Housing Authority owns the property. The approximate 40 - acre site is currently under construction for a low-income housing project. This project entailed the

excavation and disposal of petroleum - contaminated soil (PCS) discovered on a northeast area of the site. The project electrical subcontractor, Colvico, Inc. excavated a utility trench and placed a large utility vault on the northeast corner of the subject property. Construction in this area of the site involves utility work associated with the 40 – acre development only. Additional construction is scheduled in this area at some unknown time in the future. During the excavation and placement of the vault suspected PCS was encountered. At this time the property owners hired Eco Compliance Corporation (ECC) to complete a limited site investigation of the suspected PCS. An ECC representative obtained three discrete soil samples from the trench area. Analytical results of these samples indicated that gasoline and benzene, above the MTCA cleanup standards, were present in the soils. Additional testing indicated that no diesel, heavy oil, or lead, above MTCA cleanup levels, was present (Copy of ECC report enclosed). An interview with Jerod Kaufman, Walsh Construction Company project superintendent, revealed that a gasoline service station had been located in this area sometime during the 1940's or 1950's. No information was available to this consultant regarding the installation, out of service or removal dates of any underground gasoline storage tanks associated with the former service station. The property was reportedly redeveloped as a restaurant sometime in the 1970's and is currently occupied by the Honto Teriyaki restaurant. The contact person for this project was Walsh Construction Company, Inc. project superintendent, Jerod Kaufman, 206-760-8004.

The contaminated soil removal and delineation project began on August 19, 2003. The water line for the restaurant was located on the east end of the pit area. No other utilities were located in the excavation area. The utility vault was located on the west end of the excavation and the soils encountered in the pit area consisted of a silty clay material (Unified Soil Classification System group symbol of CL, with typical names such as inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays) to approximately 9' to 10' below ground surface (bgs). At this approximate 10' depth, the soils changed to a silty sand type material (USCS group symbol of SM, with typical names such as silty sands, sand-silt mixtures). The bottom of the utility vault was placed approximately 12' bgs. Visual and olfactory indications of petroleum-contaminated soil were noted in the pit area during the removal of contaminated soils. Contaminated soils were only removed in the areas where electrical conduits will be placed during the next phase of the project. The excavation was extended to an approximate size of 48' x 20' x 9' deep. The area surrounding the vault was extended to approximately 12.5' bgs. Soil samples were collected from the pit in a grid pattern in an attempt to delineate the existing contamination. Laboratory analytical results indicated that gasoline range petroleum hydrocarbon contamination was present above MTCA Method A cleanup levels in the eastern section of the pit area.

Prior to the beginning of the contaminated soil removal, the required PCS disposal manifests were obtained from the licensed Rabanco Recycling Company's Seattle facility. A total of 350.21 tons of PCS was excavated for disposal. All PCS was loaded and hauled directly to the Rabanco facility for disposal. An Environmental Services Network Northwest (ESN) mobile laboratory was utilized to obtain "real time" analytical results. The soil sample results indicated that the vertical extent of the PCS was limited to an approximate depth of 10' to 11' bgs. The northeast corner of the pit was excavated until unimpacted soils were encountered. The east, north and south sidewalls of the easterly end of the excavation contained elevated concentrations of gasoline range petroleum hydrocarbons. Per instructions from Stan Krohn, Seattle City Light representative, a water sample was collected from a small pool of water that collected below the utility vault. The water in the excavation resulted from a break in the water line during the installation of the vault. The analytical results of the obtained water sample indicated that the gasoline concentrations in the water were below applicable cleanup concentrations. All soil sample results surrounding the utility vault were non-detect or below applicable MTCA Method A cleanup levels. Subsequent to the excavation of the target contamination a 10-mil plastic vapor barrier was placed in the east section of the excavation to separate any contaminated soils from the utility piping and backfill material. The entire area around the utility vault was filled with controlled density slurry mixture.

Soil sampling was conducted in accordance with Washington State Department of Ecology guidelines. The soil samples were collected using the backhoe and/or hand tool method, utilizing clean stainless steel spoons. Samples were then placed into clean, wide mouth glass containers, with Teflon lids, provided by the laboratory. Samples were delivered directly to the on-site laboratory. The samples were tested utilizing the NWTPH-Gx/BTEX procedures. These analytical methods test for the presence of gasoline petroleum hydrocarbons in addition to the gasoline constituents, benzene, toluene, ethyl benzene, and xylene. No lead sampling was completed during this project based on the initial ECC sample results.

Field screening of the pit and excavated soils was accomplished utilizing a photoionization detector (PID), in addition to visual and olfactory methods.

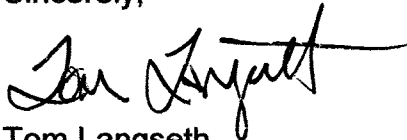
Based on the soil sample analytical results, field screenings, and visual observations during this delineation and remediation project, it is the conclusion of this consultant that the petroleum-contaminated soils above the applicable MTCA Method A cleanup level encountered in the utility vault area of the site have been excavated for disposal. A total of 350.21 tons of PCS was excavated, loaded and hauled to the licensed Rabanco facility in Seattle for disposal. Soil samples collected from the easterly section of the excavation

indicate that concentrations of gasoline and benzene, above the MTCA Method A cleanup level, are still present on the site. As noted, this area is scheduled for demolition and new construction by Seattle Housing Authority at some unknown time in the future. The PCS encountered during this project will be remediated at that time.

Enclosed are site and sampling location maps, in addition to laboratory analytical data and the chain-of-custody forms. Laboratory QA/QC data is included in the report, after the laboratory results. PCS disposal manifests and photographs taken throughout the project are included at the end of the report.

This report has been prepared for the exclusive use of the Colvico and Walsh Construction Company, Inc. and their agents, in accordance with generally accepted professional practices for the nature and condition of the work completed in the same or similar localities, at the time the work was performed. The findings contained herein are relevant to the dates of the Langseth Environmental Services, Inc. delineation and remediation project and should not be relied upon to represent conditions at later dates. No additional warranty is expressed or implied. In the event that changes in the nature, usage or layout of the property or nearby properties are made, the conclusions and recommendations contained in this report may not be valid. If additional information becomes available, it should be provided to Langseth Environmental Services, Inc. so that the original conclusions and recommendations can be modified as necessary.

Sincerely,



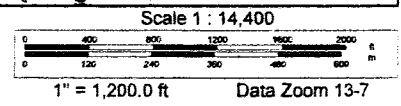
Tom Langseth
Registered Site Assessor
Langseth Environmental Services, Inc.

cc: Neil Wood, W.D.O.E., Toxics Cleanup Program, NW Region
Stan Krohn, Seattle City Light
Seattle Housing Authority, c/o Walsh Construction Company

SITE & SAMPLING

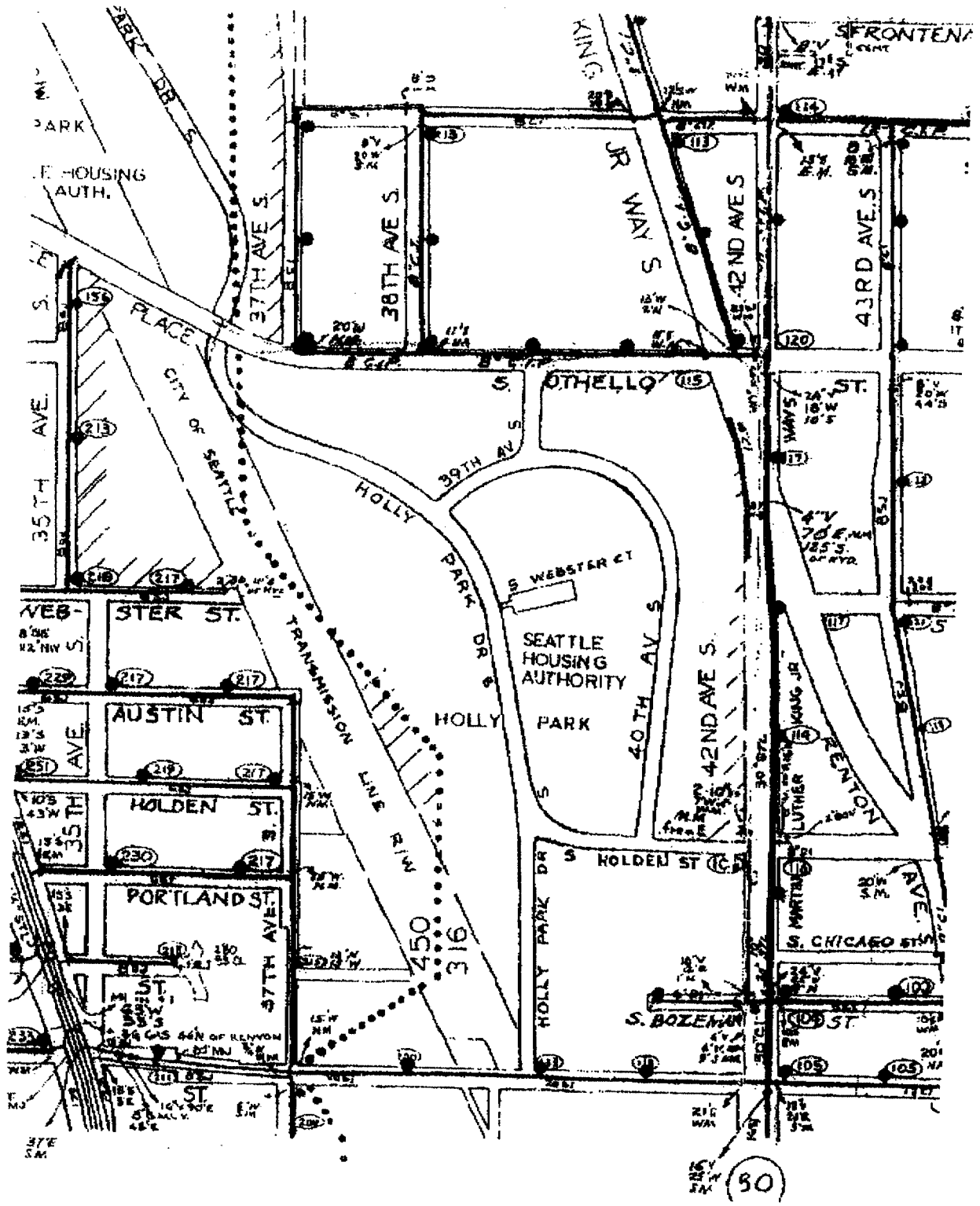
LOCATION MAPS

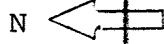
ANALYTICAL DATA



SE 1/4, SECTION 27,
TOWNSHIP 24 NORTH,
RANGE 4 EAST, W.M.

SUR SAYS THE #
IS: 2724049085

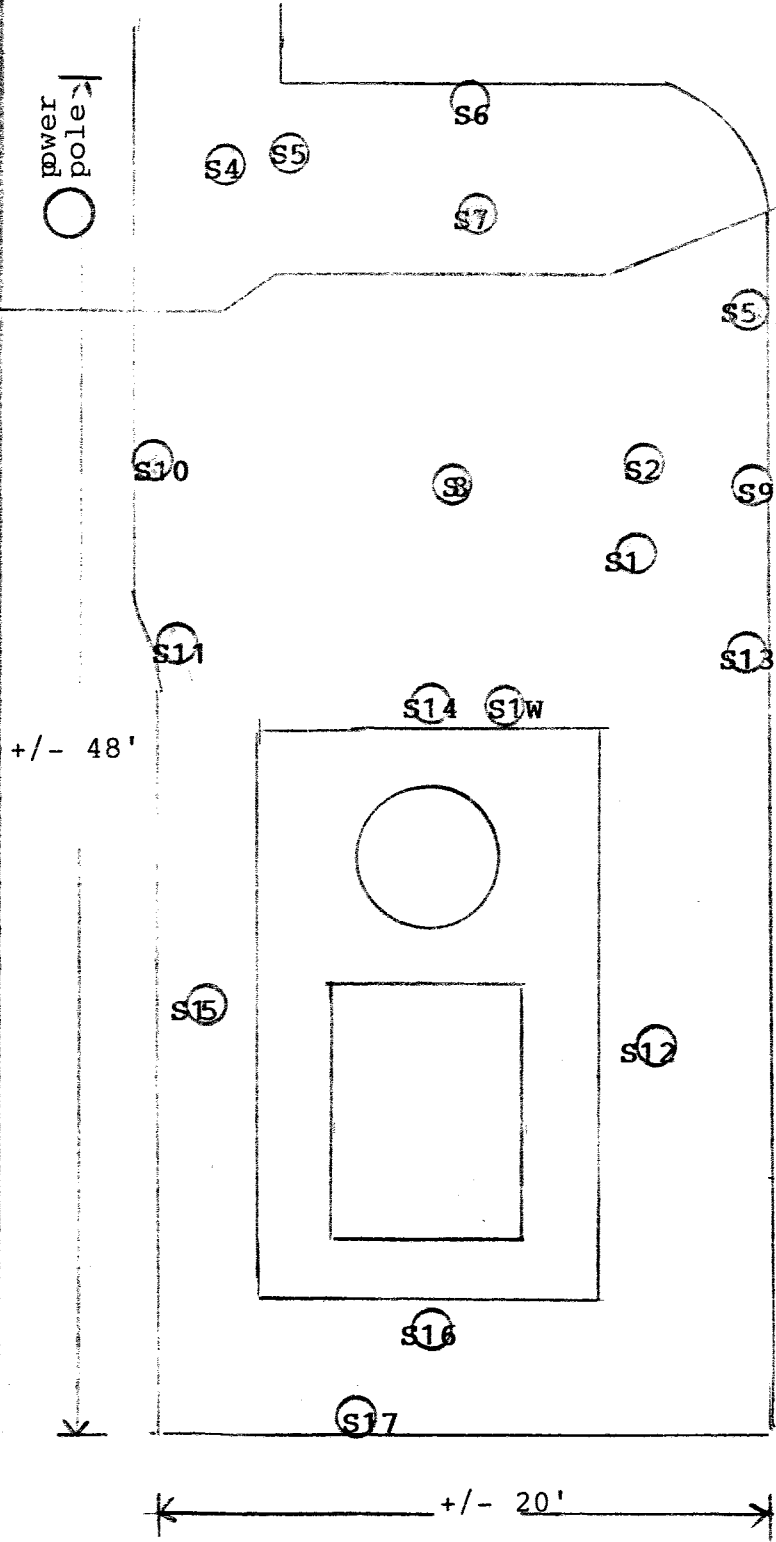




SOIL SAMPLING LOCATION MAP

Walsh Construction .. Holly Park Project
7301 Martin Luther King Way S.
Seattle, WA

OTHELLO STREET



SAMPLE #	LOCATION
S1	South wall @ 5' bgs 12' from vault
S2	South wall @ 7.5' bgs 14' from vault
S3	Northeast end @ 8' bgs 20' from vault
S4	Northeast end @ 8.5' bgs 20' from vault
S5	South wall @ 8.5' bgs 17' from vault
S6	East wall @ 9' bgs 20' from vault
S7	East trench bottom @ wall @ 9.5' bgs 18' from vault
S8	Trench bottom @ 9.5' - 10' bgs 15' from vault
S9	South wall after cave in @ 9' bgs 15' from vault
S10	North wall @ 9' bgs 15' from vault
S11	North wall @ 9' bgs 5' from vault
S12	South side of vault @ 12.5' bgs
S13	South wall @ 9' bgs 5' from vault
S14	East end of Vault @ 12.5' bgs
S15	North side of vault @ 12.5' bgs
S16	West end of vault @ 12.5' bgs
S17	West wall @ 4' - 8' bgs 4' from vault
S1W	Water sample from under vault

not to scale

SOIL SAMPLE RESULTS TABLE

Walsh Construction .. Holly Park

Site Location:

7301 Martin Luther King Way South
Seattle, WA 98118

Sample #	Gasoline	Benzene	Ethylbenz	Toluene	Xylenes	Sample Date
S1	79	nd	nd	0.8	0.33	8/19/2003
S2	64	nd	nd	nd	nd	"
S3	140	nd	nd	nd	1.8	"
S4	17	nd	nd	0.2	0.28	"
S5	120	0.13	1.7	0.12	2.9	"
S6	280	nd	3.6	2.1	7.5	"
S7	11	0.9	nd	nd	0.07	"
S8	120	0.14	2	0.65	3.8	"
S9	160	nd	2.8	nd	3.4	8/20/2003
S10	220	nd	nd	nd	6.3	"
S11	16	nd	nd	0.12	nd	"
S12	nd	nd	nd	nd	nd	"
S13	nd	nd	nd	nd	nd	"
S14	nd	nd	nd	nd	nd	"
S15	nd	nd	nd	nd	nd	"
S16	nd	nd	nd	nd	nd	"
S17	nd	nd	nd	nd	nd	"
S1W	240	nd	nd	nd	nd	"

Soil sample results reported in mg/Kg = ppm (parts per million)

Water sample result reported in ug/L = ppb (parts per billion)

"nd" indicates not detected at the listed detection limits

Gasoline by NWTPH-Gx BTEX by EPA 8021B

Highlighted results are above MTCA cleanup level

MTCA Method A Cleanup Level for Unrestricted Land Uses

Constituent	SOIL	WATER (Sample S1W Only)
	Action Level, ppm	Action Level, ppb
Benzene	0.03	5
Toluene	7	1000
Ethylbenzene	6	700
Xylenes	9	1000
MTBE	0.1	20
TPH (Gasoline)	30 / 100 (No Benzene)	800 /1000 (No Benzene)
Lead	250	15

SOIL SAMPLE LOCATION TABLE

Walsh Construction .. Holly Park

Samples S1 through S8 completed on 8-19-03

Samples S9 through S17 and S1W completed on 8-2019-03

SAMPLE #	LOCATION	PID RESULT
		(ppm)
S1	South wall @ 5' bgs 12' from vault	845
S2	South wall @ 7.5' bgs 14' from vault	2500
S3	Northeast end @ 8' bgs 20 from vault	858
S4	Northeast end @ 8.5' bgs 20' from vault	1792
S5	South wall @ 8.5' bgs 17' from vault	1990
S6	East wall @ 9' bgs 20' from vault	2500
S7	East trench bottom @ wall @ 9.5' bgs 18' from vault	1175
S8	Trench bottom @ 9.5' - 10' bgs 15' from vault	2500 +
S9	South wall after cave in @ 9' bgs 15' from vault	482
S10	North wall @ 9' bgs 15' from vault	102
S11	North wall @ 9' bgs 5' from vault	20
S12	South side of vault @ 12.5' bgs	2
S13	South wall @ 9' bgs 5' from vault	3
S14	East end of Vault @ 12.5' bgs	5.4
S15	North side of vault @ 12.5' bgs	3.6
S16	West end of vault @ 12.5' bgs	0
S17	West wall @ 4' - 8' bgs 4' from vault	0
S1W	Water sample from under vault	slight gas odor

ESN NORTHWEST CHEMISTRY LABORATORY

WALSH CONSTRUCTION PROJECT

Seattle, Washington

Langseth Environmental, Inc.

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8021B) in Soil

Sample Number	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline (mg/kg)	Surrogate Recovery (%)
Method Blank	8/19/03	nd	nd	nd	nd	nd	91
LCS	8/19/03	78%	91%	98%	98%	---	98
S1-081903	8/19/03	nd	0.80	nd	0.33	79	110
S1-081903 Dup.	8/19/03	nd	0.10	nd	0.15	49	103
S2-081903	8/19/03	nd	nd	nd	nd	64	95
S3-081903	8/19/03	nd	nd	nd	1.8	140	103
S4-081903	8/19/03	nd	0.20	nd	0.28	17	100
S5-081903	8/19/03	0.13	0.12	1.7	2.9	120	99
S6-081903	8/19/03	nd	2.1	3.6	7.5	280	111
S7-081903	8/19/03	0.90	nd	nd	0.07	11	109
S8-081903	8/19/03	0.14	0.65	2.0	3.8	120	101
Method Detection Limits		0.02	0.05	0.05	0.05	10	

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Chlorobenzene): 65% TO 135%

ANALYSES PERFORMED BY: Marilyn Farmer

ESN NORTHWEST CHEMISTRY LABORATORY

WALSH CONSTRUCTION PROJECT

Seattle, Washington

Langseth Environmental, Inc.

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8021B) in Soil

Sample Number	Date Analyzed	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Gasoline (mg/kg)	Surrogate Recovery (%)
Method Blank	8/20/03	nd	nd	nd	nd	nd	100
S9-081903	8/20/03	nd	nd	2.8	3.4	160	100
S10-081903	8/20/03	nd	nd	nd	6.3	220	106
S11-081903	8/20/03	nd	0.12	nd	nd	16	100
S12-081903	8/20/03	nd	nd	nd	nd	nd	99
S13-081903	8/20/03	nd	nd	nd	nd	nd	101
S13-081903 Dup.	8/20/03	nd	nd	nd	nd	nd	91
S14-081903	8/20/03	nd	nd	nd	nd	nd	100
S15-081903	8/20/03	nd	nd	nd	nd	nd	96
S16-081903	8/20/03	nd	nd	nd	nd	nd	100
S17-081903	8/20/03	nd	nd	nd	nd	nd	101
Method Detection Limits		0.02	0.05	0.05	0.05	10	

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Chlorobenzene): 65% TO 135%

ANALYSES PERFORMED BY: Marilyn Farmer

ESN NORTHWEST CHEMISTRY LABORATORY

WALSH CONSTRUCTION PROJECT

Seattle, Washington

Langseth Environmental, Inc.

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8021B) in Water

Sample Number	Date Analyzed	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Xylenes (ug/l)	Gasoline (ug/l)	Surrogate Recovery (%)
Method Blank	8/20/03	nd	nd	nd	nd	nd	100
S-1 W	8/20/03	nd	nd	nd	nd	240	100
Method Detection Limits		1	1	1	1	100	

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

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Chlorobenzene): 65% TO 135%

ANALYSES PERFORMED BY:

Marilyn Farmer

August 22, 2003

Tom Langseth
Langseth Environmental Services
7517 Portland Avenue
Suite A
Tacoma, WA 98404-3323

Dear Mr. Langseth:

Please find enclosed the analytical data report for the Walsh Construction Project in Seattle, Washington. Mobile Lab services were conducted on August 19 & 2, 2003. Soil and water samples were analyzed for Gasoline by NWTPH-Gx and BTEX by Method 8021B.

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 is also enclosed.

ESN Northwest appreciates the opportunity to have provided analytical services to Langseth Environmental 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

**PCS DISPOSAL
MANIFESTS**



RABANCO

REGIONAL DISPOSAL COMPANY

A WASHINGTON JOINT VENTURE

CERTIFICATE OF DISPOSAL

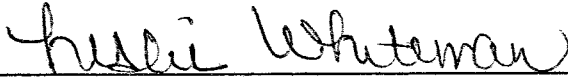
September 3, 2003

Langseth Environmental
Attn: Tom Langseth

Bill of Lading: 03-1227 (see attached)

This is to certify that 350.21 tons of **NON-DANGEROUS WASTE** as defined on the above referenced Bill of Lading was shipped by Seattle Housing Authority from 7315-39th Ave. South Seattle, WA and received by Regional Disposal Company. The waste was shipped by rail to Roosevelt Regional Landfill, 500 Roosevelt Grade Road, Roosevelt WA 98356 for final disposal. The above- described **NON-DANGEROUS WASTE** was managed in compliance with all Permits and Laws Regulating this Facility.

Final Disposition: **Subtitle D and WAS 173-351 MSW Landfill**



Signature

For Regional Disposal Company



SUMMARY OF LOADS HAULED

INVOICE #2150898-H

PAGE: 1

DATE	TICKET #	GROSS	TARE	NET	NET TONS	TRUCK #	CONTAINER #
(64) PCS - Seattle							
08/19/03	1833702	89,840	35,380	54,460	27.230	3	PER LESLIE
08/19/03	1833712	95,620	40,380	55,240	27.620	30	
08/19/03	1833786	52,940	25,060	27,880	13.940	30	
08/19/03	1833796	52,180	22,500	29,680	14.840	3	
08/19/03	1833853	54,100	25,000	29,100	14.550	30	
08/19/03	1833923	50,820	22,460	28,360	14.180	3	
08/19/03	1833927	55,160	24,980	30,180	15.090	30	
08/19/03	1834123	51,700	22,480	29,220	14.610	3	
08/20/03	1834332	57,020	25,140	31,880	15.940	30	
08/20/03	1834342	53,180	22,640	30,540	15.270	3	
08/20/03	1834388	64,500	25,120	39,380	19.690	30	
08/20/03	1834401	55,800	22,660	33,140	16.570	3	
08/20/03	1834440	58,220	25,080	33,140	16.570	30	
08/20/03	1834459	55,420	22,560	32,860	16.430	3	
08/20/03	1834504	60,420	25,720	34,700	17.350	30	
08/20/03	1834525	55,760	22,580	33,180	16.590	3	
08/20/03	1834558	62,100	25,040	37,060	18.530	30	
08/20/03	1834573	55,920	22,640	33,280	16.640	3	
08/20/03	1834617	49,900	25,160	24,740	12.370	30	
08/21/03	1835334	39,560	21,420	18,140	9.070	12	
08/21/03	1835392	41,200	21,420	19,780	9.890	12	
08/21/03	1835441	35,860	21,380	14,480	7.240	12	

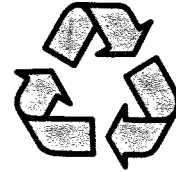
Total: 350.210



RABANCO RECYCLING CO.

A DIVISION OF RABANCO COMPANIES

2733 3rd Avenue South
Seattle, Washington 98134
(206) 623-4080



TICKET NUMBER 1833792

DATE: 08/19/03
TIME: 11:12

12099 - LANGSETH ENVIRONMENTAL Job:03-1227
WALRATH PER LESLIE
TRUCK #: 3 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	89840 LBS-MAN WT	11:11	08/19/03	IN		
TARE:	35380 LBS-MAN WT			OUT	NET LBS:	54460
					NET TONS:	27.230
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

W~~X~~hmaster - FEE

[Handwritten signature]
1199 #3

CUSTOMER SIGNATURE
I HAVE READ AND AGREE TO THE CONDITIONS ON THE REVERSE SIDE.



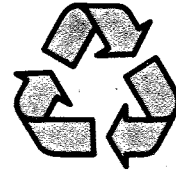
* Includes applicable city, county, and state fees



RABANCO RECYCLING CO.

A DIVISION OF RABANCO COMPANIES

2733 3rd Avenue South
Seattle, Washington 98134
(206) 623-4080



TICKET NUMBER 1833712

DATE: 08/19/03
TIME: 11:25

12099 - LANGSETH ENVIRONMENTAL Job:03-1227
WALRATH
TRUCK #: 30 SEMI-CONT PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	95620 LBS-MAN WT	11:25	08/19/03	IN		
TARE:	40380 LBS-MAN WT			OUT	NET LBS:	55240
					NET TONS:	27.620
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

W~~X~~hmaster - FEE

[Handwritten signature]

CUSTOMER SIGNATURE

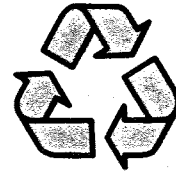




RABANCO RECYCLING CO.

A DIVISION OF RABANCO COMPANIES

2733 3rd Avenue South
Seattle, Washington 98134
(206) 623-4080



TICKET NUMBER

1833786

DATE: 08/19/03

TIME: 12:34

12099 - LANGSETH ENVIRONMENTAL Job:03-1227
LANGSETH/ WALRATH TR
TRUCK #: 30 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	52940 LBS	12:32	08/19/03	IN	NET LBS:	27880
TARE:	25060 LBS	12:33	08/19/03	OUT	NET TONS:	13.940
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

Weyhmaster - FEE

CUSTOMER SIGNATURE

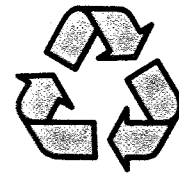
I HAVE READ AND AGREE TO THE CONDITIONS ON THE REVERSE SIDE.



RABANCO RECYCLING CO.

A DIVISION OF RABANCO COMPANIES

2733 3rd Avenue South
Seattle, Washington 98134
(206) 623-4080



TICKET NUMBER

1833796

DATE: 08/19/03

TIME: 12:48

12099 - LANGSETH ENVIRONMENTAL Job:03-1227
WALRATH
TRUCK #: 3 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	52180 LBS	12:45	08/19/03	IN	NET LBS:	29680
TARE:	22500 LBS	12:48	08/19/03	OUT	NET TONS:	14.840
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

Weyhmaster - FEE

CUSTOMER SIGNATURE

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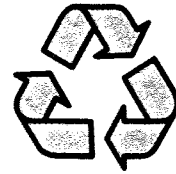




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2733 3rd Avenue South
Seattle, Washington 98134
(206) 623-4080



TICKET NUMBER

1833853

DATE: 08/19/03

TIME: 13:41

12099 - LANGSETH ENVIROMENTAL Job:03-1227
LANGSETH/WALRATH
TRUCK #: 20 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	54100 LBS	13:34	08/19/03	IN	NET LBS:	29100
TARE:	25000 LBS	13:41	08/19/03	OUT	NET TONS:	14.550
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

Wexhmaster - FEE

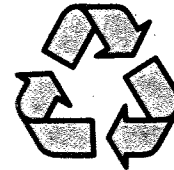
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TICKET NUMBER

1833923

DATE: 08/19/03

TIME: 15:03

12099 - LANGSETH ENVIROMENTAL Job:03-1227
LANGSETH /T.E. WALRA PO#:TH
TRUCK #: 3 END DUMP PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	50820 LBS	14:54	08/19/03	IN	NET LBS:	28360
TARE:	22460 LBS	15:08	08/19/03	OUT	NET TONS:	14.180
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

Wexhmaster - FEE

1199
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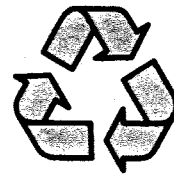




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TICKET NUMBER 1833927

DATE: 08/19/03
TIME: 15:04

12099 - LANGSETH ENVIROMENTAL Job:03-1227
LANGSETH / T.E. WRAT PO#:P
TRUCK #: 30 END DUMP PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	55100 LBS	14:58	08/19/03	IN		
TARE:	24900 LBS	15:04	08/19/03	OUT	NET LBS:	30200
					NET TONS:	13.990
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

Waxmaster - FEE

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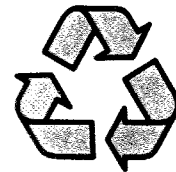
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TICKET NUMBER 1834123-
1833860 gross wrong ka

DATE: 08/19/03
TIME: 22:21

12099 - LANGSETH ENVIROMENTAL Job:03-1227
LANGSETH/WALRATH
TRUCK #: 3 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	51700 LBS-MAN WT	22:20	08/19/03	IN		
TARE:	22400 LBS-MAN WT			OUT	NET LBS:	29200
					NET TONS:	14.610
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

Waxmaster - KIM

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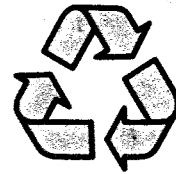




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2733 3rd Avenue South
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TICKET NUMBER 1835392

DATE: 08/21/03
TIME: 13:07

12099 - LANGSETH ENVIROMENTAL Job:03-1227

LANGSETH ENVIRON

TRUCK #: 12 DUMP TRUCK PLACE: A SEATTLE

PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	41200 LBS	13:08	08/21/03	IN	NET LBS:	19734
TARE:	21400 LBS	13:07	08/21/03	OUT	NET TONS:	8.950
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

Weighmaster - DEVYN

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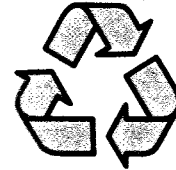
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2733 3rd Avenue South
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TICKET NUMBER 1835441

DATE: 08/21/03
TIME: 13:59

12099 - LANGSETH ENVIROMENTAL Job:03-1227

LANGSETH

TRUCK #: 12 DUMP TRUCK PLACE: A SEATTLE

PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	35860 LBS	13:56	08/21/03	IN	NET LBS:	14480
TARE:	21380 LBS	13:58	08/21/03	OUT	NET TONS:	7.240
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

Weighmaster - DEVYN

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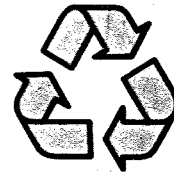




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TICKET NUMBER 1834617

DATE: 08/20/03
TIME: 13:15

12099 - LANGSETH ENVIROMENTAL Job:03-1227
WALRATH
TRUCK #: 30 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	49900 LBS	13:08	08/20/03	IN	NET LBS:	29740
TARE:	25160 LBS	13:15	08/20/03	OUT	NET TONS:	12.370
					RATE PER TON:	0.00
					AMOUNT:	0.00
					REFUSE TAX 3.50%:	0.00
					TOTAL AMOUNT:	0.00

Wexhmaster - FEE

CUSTOMER SIGNATURE

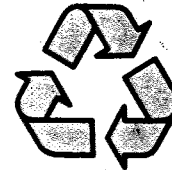
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2733 3rd Avenue South
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TICKET NUMBER 1835334

DATE: 08/21/03
TIME: 12:18

12099 - LANGSETH ENVIROMENTAL Job:03-1227
LANGSETH ENVIRON
TRUCK #: 12 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	39560 LBS	12:07	08/21/03	IN	NET LBS:	15140
TARE:	21420 LBS	12:18	08/21/03	OUT	NET TONS:	9.070
					RATE PER TON:	0.00
					AMOUNT:	0.00
					REFUSE TAX 3.50%:	0.00
					TOTAL AMOUNT:	0.00

Wexhmaster - DEVYN

CUSTOMER SIGNATURE

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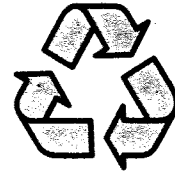




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2733 3rd Avenue South
Seattle, Washington 98134
(206) 623-4080



TICKET NUMBER 1834558

DATE: 08/20/03

TIME: 12:20

12099 - LANGSETH ENVIROMENTAL Job:03-1227
WALRATH

TRUCK #: 30 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	52120 LBS	12:19	08/20/03	IN		
TARE:	25040 LBS	12:20	08/20/03	OUT	NET LBS:	27080
					NET TONS:	12.930
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

WeXghmaster - FEE

CUSTOMER SIGNATURE

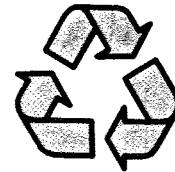
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TICKET NUMBER 1834573

DATE: 08/20/03

TIME: 12:37

12099 - LANGSETH ENVIROMENTAL Job:03-1227

WALRATH

TRUCK #: 3 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	55920 LBS	12:31	08/20/03	IN		
TARE:	22640 LBS	12:37	08/20/03	IN	NET LBS:	33280
					NET TONS:	16.640
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

WeXghmaster - DEVYN

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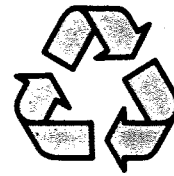




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TICKET NUMBER 1834504

DATE: 08/20/03
TIME: 11:31

12099 - LANGSETH ENVIROMENTAL Job:03-1227
WALRATH
TRUCK #: 30 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	60420 LBS	11:30	08/20/03	IN		
TARE:	25720 LBS	11:31	08/20/03	OUT	NET LBS:	34700
					NET TONS:	17.350
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.50%:	0.00
					TOTAL AMOUNT: \$	0.00

Weighmaster - FEE

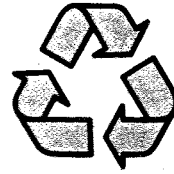
CUSTOMER SIGNATURE
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2733 3rd Avenue South
Seattle, Washington 98134
(206) 623-4080



TICKET NUMBER 1834525

DATE: 08/20/03
TIME: 11:52

12099 - LANGSETH ENVIROMENTAL Job:03-1227
WALRATH
TRUCK #: 3 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	55760 LBS	11:48	08/20/03	IN		
TARE:	22580 LBS	11:52	08/20/03	OUT	NET LBS:	33180
					NET TONS:	15.590
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.50%:	0.00
					TOTAL AMOUNT: \$	0.00

Weighmaster - FEE

CUSTOMER SIGNATURE
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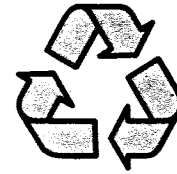




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2733 3rd Avenue South
Seattle, Washington 98134
(206) 623-4080



TICKET NUMBER 1834440

DATE: 08/20/03
TIME: 10:32

12099 - LANGSETH ENVIROMENTAL Job:03-1227
WALRATH
TRUCK #: 30 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	58220 LBS	10:29	08/20/03	IN	NET LBS:	33190
TARE:	25080 LBS	10:32	08/20/03	OUT	NET TONS:	18.370
					RATE PER TON:	0.00
					AMOUNT:	\$ 0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT:	\$ 0.00

WeXhmaster - FEE

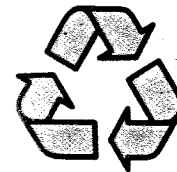
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2733 3rd Avenue South
Seattle, Washington 98134
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TICKET NUMBER 1834459

DATE: 08/20/03
TIME: 10:53

12099 - LANGSETH ENVIROMENTAL Job:03-1227
WALRATH
TRUCK #: 3 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	55420 LBS	10:42	08/20/03	IN	NET LBS:	32860
TARE:	22560 LBS	10:53	08/20/03	OUT	NET TONS:	16.430
					RATE PER TON:	\$ 0.00
					AMOUNT:	\$ 0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT:	\$ 0.00

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WeXhmaster - FEE

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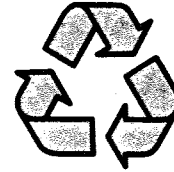




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TICKET NUMBER 1834401

DATE: 08/20/03
TIME: 09:57

12099 - LANGSETH ENVIRODMENTAL Job:03-1227
WALRATH
TRUCK #: 3 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	55200 LBS	09:50	08/20/03	IN	NET LBS:	32140
TARE:	22660 LBS	09:57	08/20/03	IN	NET TONS:	16.570
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

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#3*

We Xhmaster - DEVYN

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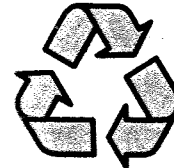
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TICKET NUMBER 1834388

DATE: 08/20/03
TIME: 09:40

12099 - LANGSETH ENVIRODMENTAL Job:03-1227
WALRATH
TRUCK #: 30 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	64500 LBS	09:36	08/20/03	IN	NET LBS:	39380
TARE:	25120 LBS	09:40	08/20/03	OUT	NET TONS:	19.690
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

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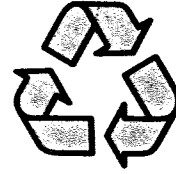




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TICKET NUMBER

1834332

DATE: 08/20/03

TIME: 08:17

12099 - LANGSETH ENVIROMENTAL Job:03-1227
WALRATH
TRUCK #: 30 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	37000 LBS	08:14	08/20/03	IN		
TARE:	25140 LBS	08:18	08/20/03	OUT	NET LBS:	31860
					NET TONS:	15.940
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

WeXghmaster - FEE

CUSTOMER SIGNATURE

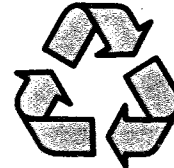
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TICKET NUMBER

1834342

DATE: 08/20/03

TIME: 08:34

12099 - LANGSETH ENVIROMENTAL Job:03-1227
WALRATH
TRUCK #: 3 DUMP TRUCK PLACE: A SEATTLE
PRODUCT: PCS-Seattle (T/S)

	WEIGHT	TIME	DATE	SCALE		
GROSS:	53180 LBS	08:29	08/20/03	IN		
TARE:	22640 LBS	08:34	08/20/03	OUT	NET LBS:	30540
					NET TONS:	15.270
					RATE PER TON: \$	0.00
					AMOUNT: \$	0.00
					REFUSE TAX 3.60%:	0.00
					TOTAL AMOUNT: \$	0.00

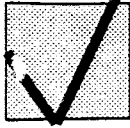
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**ECC LIMITED SAMPLING
INVESTIGATION**



**Eco
Compliance
Corporation**

1823 Bremerton Avenue NE
Renton, Washington 98059-3954
Phone: (425) 271-5629
Fax: (425) 271-5629
E-mail: ecocompwfk@aol.com

Environmental, Industrial Hygiene & Indoor Air Quality Services

August 4, 2003

Mr. Jerod Kaufman
Walsh Construction Company
Holly Park jobsite
7315 - 39th Avenue South
Seattle, Washington 98118

Re: Petroleum contaminated soil.

Dear Jerod:

On Friday, July 25, 2003, three discrete soil samples were collected from random areas within a small utility trench located along the northeast portion of the Holly Park Phase III site in Seattle. These samples were analyzed for gasoline, diesel, oil, BETX (benzene, ethylbenzene, toluene and xylenes) and total lead. The purpose of the sampling was to determine disposal requirements/options for the soil.

Analytical data is attached and summarized below in Table 1.

Table 1. Soil analytical results. Holly Park Phase III.

Sample Number	Location/Description	Analytical Result (ppm)	MTCA Cleanup Standard (ppm)
1	Bottom of utility trench. Approximately 8 feet below grade. Petroleum odor.	180 gasoline 86 diesel ND(36) oil 0.065 benzene 0.81 ethylbenzene 0.11 toluene 0.47 xylenes 10 total lead	30 gasoline 2,000 diesel 2,000 oil 0.03 benzene 6 ethylbenzene 7 toluene 9 xylenes 250 total lead

Table 1 (continued). Soil analytical results. Holly Park Phase III.

Sample Number	Location/Description	Analytical Result (ppm)	MTCA Cleanup Standard (ppm)
2	Sidewall of utility trench. Approximately 7.5 feet below grade. Petroleum odor.	320 gasoline 280 diesel 130 oil 0.13 benzene 1.7 ethylbenzene 0.15 toluene 1.58 xylenes 14 total lead	30 gasoline 2,000 diesel 2,000 oil 0.03 benzene 6 ethylbenzene 7 toluene 9 xylenes 250 total lead
3	Sidewall of utility trench. Approximately 7.5 feet below grade. Petroleum odor.	290 gasoline 120 diesel ND(38) oil 0.12 benzene 1.3 ethylbenzene 0.13 toluene 1.02 xylenes 14 total lead	30 gasoline 2,000 diesel 2,000 oil 0.03 benzene 6 ethylbenzene 7 toluene 9 xylenes 250 total lead

ND(36) Not detected at the analytical detection limit of 36 parts-per-million (ppm).

As indicated in Table 1, all 3 soil samples contain gasoline and benzene at concentrations that are above the Model Toxics Control Act (MTCA) cleanup standards for unrestricted (residential) land use as established by the Washington State Department of Ecology (Ecology). There was no groundwater noted in the utility trench.

CONCLUSIONS AND RECOMMENDATIONS

Soil excavated from the subject utility trench should be disposed of at an offsite facility that is permitted to accept MTCA waste (Rabanco, Waste Management, etc.).

Despite the soil contamination, the utility trench is safe to enter to perform work. I would limit the time spent in the trench as the petroleum vapors could cause headaches and possibly nausea. Walsh Construction and its subcontractors may have specific health and safety procedures to follow when working around this type of material.



It is unlikely that petroleum vapors from the utility trench would enter the adjacent (west) concrete vault (approximately 12-by-12-feet in size). There was no obvious visual or olfactory evidence of petroleum contamination around this vault during the time of the soil sampling. Also, the contractor responsible for installing the vault indicated he did not notice any contaminated soil around or beneath this vault.

It was a pleasure assisting you with this project. Please page me at 206-978-0589 if you have any questions.

Sincerely,

ECO COMPLIANCE CORPORATION



William F. Kane
President

attachment



Eco
Compliance
Corporation

Sample ID: #1
 SAMPLE

Lab Sample ID: FR90A
 LIMS ID: 03-10014
 Matrix: Soil
 Data Release Authorized:
 Reported: 07/29/03

QC Report No: FR90-EcoCompliance Corporation
 Project:

Date Sampled: 07/25/03
 Date Received: 07/25/03

Date Analyzed: 07/28/03 11:28
 Instrument/Analyst: PID2/EWC

Purge Volume: 5.0 mL
 Sample Amount: 0.10 g-as-rec
 Percent Moisture: NA%

CAS Number	Analyte	Result
71-43-2	Benzene	65
108-88-3	Toluene	110
100-41-4	Ethylbenzene	810
	m,p-Xylene	250
95-47-6	o-Xylene	220

Gasoline Range Hydrocarbons 180 GAS ID
 GRO

BETX Surrogate Recovery

Trifluorotoluene	70.0%
Bromobenzene	80.8%

Gasoline Surrogate Recovery

Trifluorotoluene	64.3%
Bromobenzene	93.8%

BETX Values reported in ppb ($\mu\text{g}/\text{kg}$).
 Gasoline Values reported in ppm (mg/kg).

GAS: Indicates the presence of gasoline or weathered gasoline.

GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

Post-It® Fax Note 7671

Date	7/29/03	# of pages	6
From	Mark Harris		
To	Jim Kane		
Co./Dept	Eco Compliance		
Phone #	695-6200		
Fax #	425/271-5629		

Rest soon

ORGANICS ANALYSIS DATA SHEET
BETX by Method SW8021BMod
NWTPhg by GC/FID
Page 1 of 1



Sample ID: #2
SAMPLE

Lab Sample ID: FR90B
LIMS ID: 03-10015
Matrix: Soil
Data Release Authorized: *[Signature]*
Reported: 07/29/03

QC Report No: FR90-EcoCompliance Corporation
Project:

Date Sampled: 07/25/03
Date Received: 07/25/03

Date Analyzed: 07/28/03 11:56
Instrument/Analyst: PID2/EWC

Purge Volume: 5.0 mL
Sample Amount: 0.099 g-as-rec
Percent Moisture: NA%

CAS Number	Analyte	Result
71-43-2	Benzene	130
108-88-3	Toluene	150
100-41-4	Ethylbenzene	1,700
	m,p-Xylene	1,300
95-47-6	o-Xylene	280

Gasoline Range Hydrocarbons 320

GAS ID
GRO

BETX Surrogate Recovery

Trifluorotoluene	65.5%
Bromobenzene	77.5%

Gasoline Surrogate Recovery

Trifluorotoluene	60.8%
Bromobenzene	101%

BETX Values reported in ppb ($\mu\text{g}/\text{kg}$).
Gasoline Values reported in ppm (mg/kg).

GAS: Indicates the presence of gasoline or weathered gasoline.

GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

Sample ID: #3
SAMPLE

Lab Sample ID: FR90C
LIMS ID: 03-10016
Matrix: Soil
Data Release Authorized:
Reported: 07/29/03

QC Report No: FR90-EcoCompliance Corporation
Project:

Date Sampled: 07/25/03
Date Received: 07/25/03

Date Analyzed: 07/28/03 12:24
Instrument/Analyst: PID2/EWC

Purge Volume: 5.0 mL
Sample Amount: 0.10 g-as-rec
Percent Moisture: NA%

CAS Number	Analyte	Result
71-43-2	Benzene	130
108-88-3	Toluene	130
100-41-4	Ethylbenzene	1,300
	m,p-Xylene	740
95-47-6	o-Xylene	280

Gasoline Range Hydrocarbons

290

GAS ID
GRO

BETX Surrogate Recovery

Trifluorotoluene	69.9%
Bromobenzene	81.9%

Gasoline Surrogate Recovery

Trifluorotoluene	61.9%
Bromobenzene	104%

BETX Values reported in ppb ($\mu\text{g}/\text{kg}$).
Gasoline Values reported in ppm (mg/kg).

GAS: Indicates the presence of gasoline or weathered gasoline.

GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

ORGANICS ANALYSIS DATA SHEET

BETX by Method SW8021BMod

NWTPHg by GC/FID

Page 1 of 1



Sample ID: MB-072803

METHOD BLANK

Lab Sample ID: MB-072803

LIMS ID: 03-10014

Matrix: Soil

Data Release Authorized: ~~XXXX~~

Reported: 07/29/03

QC Report No: FR90-EcoCompliance Corporation
Project:

Date Sampled: NA

Date Received: NA

Date Analyzed: 07/28/03 10:04

Instrument/Analyst: PID2/EWC

Purge Volume: 5.0 mL

Sample Amount: 0.10 g

Percent Moisture: NA

CAS Number	Analyte	Result
71-43-2	Benzene	25 U
108-88-3	Toluene	25 U
100-41-4	Ethylbenzene	25 U
	m,p-Xylene	50 U
95-47-6	o-Xylene	25 U

Gasoline Range Hydrocarbons 5.0 U

GAS ID

BETX Surrogate Recovery

Trifluorotoluene	102%
Bromobenzene	100%

Gasoline Surrogate Recovery

Trifluorotoluene	90.4%
Bromobenzene	92.1%

BETX Values reported in ppb ($\mu\text{g}/\text{kg}$).

Gasoline Values reported in ppm (mg/kg)

GAS: Indicates the presence of gasoline or weathered gasoline.


GRO: Positive result that does not match an identifiable gasoline pattern.

Quantitation on total peaks in the gasoline range from Toluene to Naphthalene.

TOTAL GASOLINE RANGE HYDROCARBONS
 NWTPhg - Toluene to Naphthalene



Lab Sample ID: 072803LCS QC Report No: FR90-EcoCompliance Corporation
 LIMS ID: 03-10014 Project:
 Matrix: Soil

Data Release Authorized: 
 Reported: 07/29/03

LABORATORY CONTROL SAMPLE RECOVERY REPORT
 Analyzed 07/28/03

CONSTITUENT	SPIKE FOUND	SPIKE ADDED	% RECOVERY	RPD
LABORATORY CONTROL				
Gasoline Range Hydrocarbons	124	125	99.2%	
LABORATORY CONTROL DUPLICATE				
Gasoline Range Hydrocarbons	121	125	96.8%	2.4%

TPHg Surrogate Recovery

	LCS	LCSD
Trifluorotoluene	109%	107%
Bromobenzene	103%	100%

Values reported in parts per million (mg/kg)

TPHg SPIKE CONTROL LIMITS

Percent Recovery 61.0-122%

Advisory QA Limits

ORGANICS ANALYSIS DATA SHEET
 BETX by Method SW8021BMod



Lab Sample ID: FR90LCS
 LIMS ID: 03-10014
 Matrix: Soil

QC Report No: FR90-EcoCompliance Corporation
 Project:

Data Release Authorized
 Reported: 07/29/03

LAB CONTROL / LAB CONTROL DUPLICATE
 Date analyzed: 07/28/03

CONSTITUENT	SPIKE FOUND	SPIKE ADDED	% REC	% RPD
LAB CONTROL				
Benzene	1030	1160	88.8%	
Toluene	4830	5170	93.4%	
Ethylbenzene	1420	1450	97.9%	
m,p-Xylene	5350	5740	93.2%	
o-Xylene	2010	2020	99.5%	
LAB CONTROL DUP				
Benzene	1020	1160	87.9%	1.0%
Toluene	4820	5170	93.2%	0.2%
Ethylbenzene	1420	1450	97.9%	0.0%
m,p-Xylene	5300	5740	92.3%	0.9%
o-Xylene	2050	2020	101%	2.0%

BETX SURROGATE RECOVERIES

LCS-Trifluorotoluene	108 %
LCS-Bromobenzene	107 %
LCSD-Trifluorotoluene	107 %
LCSD-Bromobenzene	106 %

Reported in Total ug/kg-as-received (ppb)
 RPD calculated using sample concentrations per SW846.

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
 NWTPHD by GC/FID
 Page 1 of 1
 Matrix: Soil

QC Report No: FR90-EcoCompliance Corporation
 Project:

Data Release Authorized:
 Reported: 07/29/03

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result mg/kg
MB-072503 03-10014	Method Blank	07/25/03	07/28/03	1.0	Diesel	5.4
					Motor Oil	< 10 U
					HC ID	---
					o-Terphenyl	344*
FR90A 03-10014	#1	07/25/03	07/28/03	1.0	Diesel	86
					Motor Oil	< 36 U
					HC ID	DRO
					o-Terphenyl	330*
FR90B 03-10015	#2	07/25/03	07/29/03	1.0	Diesel	280
					Motor Oil	130
					HC ID	DRO/RRO
					o-Terphenyl	341*
FR90C 03-10016	#3	07/25/03	07/29/03	1.0	Diesel	120
					Motor Oil	< 38 U
					HC ID	DRO
					o-Terphenyl	315*

Diesel quantitation on total peaks in the range from C18 to C24.
 Motor Oil quantitation on total peaks in the range from C24 to C38.
 HC ID: DRO/RRO indicates results of organics or additional hydrocarbons in ranges are not identifiable.

Post-It® Fax Note		7671	Date 7/29/03	# of pages
To	DICK KANE			
Co./Dept.	EcoCompliance			
Phone #	206/626-6210			
Fax #	425/291-5629			
From	MARK HOLMS			
Co.	ARL			
Phone #	206/626-6210			
Fax #				

NOTE: An surrogate/spike recovers
 ALL 1/4 OF WHAT THEY ARE ADDING.
 THIS IS AN ENTRY / CALC ERROR WE
 WILL CORRECT BEFORE MAILING THE
 FINAL SAMPLE RESULTS → NOT AFFECTED



ORGANICS ANALYSIS DATA SHEET
 NWTPHD by GC/FID
 Page 1 of 1

Sample ID: LCS-072503
 LAB CONTROL

Lab Sample ID: LCS-072503
 LIMS ID: 03-10014
 Matrix: Soil
 Data Release Authorized:
 Reported: 07/29/03

QC Report No: FR90-EcoCompliance Corporation
 Project:

Date Sampled: 07/25/03
 Date Received: 07/25/03

Date Extracted: 07/25/03
 Date Analyzed: 07/28/03 23:39
 Instrument/Analyst: FID/GSM

Sample Amount: 10.0 g
 Final Extract Volume: 1.0 mL
 Dilution Factor: 1.00

Range	Lab Control	Spike Added	Recovery
Diesel	469	150	313%

TPHD Surrogate Recovery

o-Terphenyl	362*
-------------	------

Results reported in mg/kg

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
 Page 1 of 1

Sample ID: #1
 SAMPLE

Lab Sample ID: FR90A
 LIMS ID: 03-10014
 Matrix: Soil
 Data Release Authorized: *[Signature]*
 Reported: 07/30/03

QC Report No: FR90-EcoCompliance Corporation
 Project:
 Date Sampled: 07/25/03
 Date Received: 07/25/03

Percent Total Solids: 69.0%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050E	07/25/03	60105	07/29/03	7439-92-1	Lead		10	

U-Analyte undetected at given RL
 RL-Reporting Limit

Post-it* Fax Note 7571

Date	7/30/03	# of pages	5
From	Mark Harris		
To	Bill Kase		
Co. Dept.	Eco Compliance		
Co.	ARL		
Phone #	206/695-6210		
Fax #	425/271-5625		

[Signature] (RECALLS)

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS
Page 1 of 1

Sample ID: #2
SAMPLE

Lab Sample ID: FR90B
LIMS ID: 03-10015
Matrix: Soil
Data Release Authorized: *[Signature]*
Reported: 07/30/03

QC Report No: FR90-EcoCompliance Corporation
Project:
Date Sampled: 07/25/03
Date Received: 07/25/03

Percent Total Solids: 69.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/25/03	6110B	07/29/03	7439-92-1	Lead	-	14	

U-Analyte undetected at given RL
RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS
Page 1 of 1

Sample ID: #3
SAMPLE

Lab Sample ID: FR90C
LIMS ID: 03-10015
Matrix: Soil
Data Release Authorized: *OK*
Reported: 07/30/03

QC Report No: FR90-EcoCompliance Corporation
Project:

Date Sampled: 07/25/03
Date Received: 07/25/03

Percent Total Solids: 66.23

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	07/25/03	6010B	07/29/03	7439-92-1	Lead	7	14	

U-Analyte undetected at given RL
RL-Reporting Limit



INORGANICS ANALYSIS DATA SHEET

TOTAL METALS

Page 1 of 1

Sample ID: METHOD BLANK

Lab Sample ID: FR90MB

LIMS ID: 03-10014

Matrix: Soil

Data Release Authorized: *[Signature]*

Reported: 07/30/03

QC Report No: FR90-EcoCompliance Corporation

Project:

Date Sampled: NA

Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg	Q
3050B	07/25/03	6010B	07/29/03	7439-92-1	Lead	2	2	U

U-Analyte undetected at given RL

RL-Reporting Limit

INORGANICS ANALYSIS DATA SHEET

TOTAL METALS
Page 1 of 1

Sample ID: LAB CONTROL

Lab Sample ID: FR90LCS
LIMS ID: 05-10014
Matrix: Soil
Data Release Authorized: *[Signature]*
Reported: 07/30/03

QC Report No: FR90-EcoCompliance Corporation
Project:

Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	Recovery	
Lead	60108	205	200	102%	-Q

Reported in mg/kg

N-Control Limit not met
Control Limits: 80-120%

Chain of Custody Record & Laboratory Analysis Request



Analytical Resources and Consulting, Inc.
 4611 South 134th Place, Suite 100
 Tukwila WA 98168
 206-695-6200 206-695-6201 (fax)

Page 1 of 1

Turn Around Requested: ASAP

Report to: <u>Birkane</u>		Proj Name:				Analyses Requested										Notes/Comments						
Company: <u>Eco Compliance</u>		Proj Number:				GAS/LEAD WITH MERCURY TOTAL LEAD																
Address:		Sampler:																				
Phone: <u>425 271 5624</u>		Shipping Method:																				
Fax: <u>206 695 6201</u>		AirBill:																				
Sample ID	Sample Date	Sample Time	Sample Matrix	No Containers																		
<u>1</u>	<u>7-25-03</u>		<u>soil</u>	<u>3</u>	X	X	X															
<u>2</u>			<u>1</u>	<u>3</u>	X	X	X															
<u>3</u>			<u>1</u>	<u>3</u>	X	X	X															

Relinquished: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>
Printed name: <u>Birkane</u>	Printed name: <u>DEBRA KEOGAL</u>
Company: <u>Eco Compliance</u>	Company: <u>ARI</u>
Date: <u>7-25-03</u> Time: <u>8:32 AM</u>	Date: <u>7/25/03</u> Time: <u>0830</u>

Special Instructions/Notes
Number of Coolers: <u>1</u>
Cooler Temp(s): <u>AM/B</u>
COC Seals Intact?
Bottles Intact?

Limits of Liability: Analytical Resources, Inc. (ARI) will perform all requested services in accordance with appropriate methodology follow ARI Standard Operating Procedures and Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI releases ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the client.

Please sign here if you would like these samples disposed of after expiration of standard archive times (60 days for waters 90 days for soils, sediments per contract). If you do not want these samples discarded we will begin charging you for storage after the disposal date. Samples to be discarded after expiration:

Chain of Custody Record & Laboratory Analysis Request

Page 1 of 1

Turn Around Requested: ASAP



Analytical Resources, Incorporated
 4611 South 134th Place, Suite 100
 Tukwila WA 98168
 206-695-6200 206-695-6201 (fax)

Report to: <u>Bilikane</u>		Proj Name:				Analyses Requested										Notes/Comments				
Company: <u>Eco Compliance</u>		Proj Number:				Gas/BETA	with Over Ext	Total lead												
Address:		Sampler:																		
Phone: <u>725-271-5620</u>		Shipping Method:																		
Fax: <u>same as phone</u>		AirBill:																		
Sample ID	Sample Date	Sample Time	Sample Matrix	No Containers																
1	7/25/03		soil	3	X	X	X													
2			1	3	X	X	X													
3			1	3	X	X	X													

Relinquished: (Signature) <u>[Signature]</u>	Received by: (Signature) <u>[Signature]</u>	Special Instructions/Notes
Printed name: <u>Bilikane</u>	Printed name: <u>BENJ/KEGAL</u>	
Company: <u>Eco Compliance</u>	Company: <u>ARI</u>	
Date: <u>7/25/03</u> Time: <u>0830 AM</u>	Date: <u>7/25/03</u> Time: <u>0830</u>	

Number of Coolers: <u>1</u>
Cooler Temp(s): <u>AMIB</u>
COC Seals Intact?
Bottles Intact?

Limits of Liability: Analytical Resources, Inc. (ARI) will perform all requested services in accordance with appropriate methodology follow ARI Standard Operating Procedures and Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI releases ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the client.

Please sign here if you would like these samples disposed of after expiration of standard archive times (60 days for waters 90 days for soils, sediments per contract). If you do not want these samples discarded we will begin charging you for storage after the disposal date. **Samples to be discarded after expiration:**

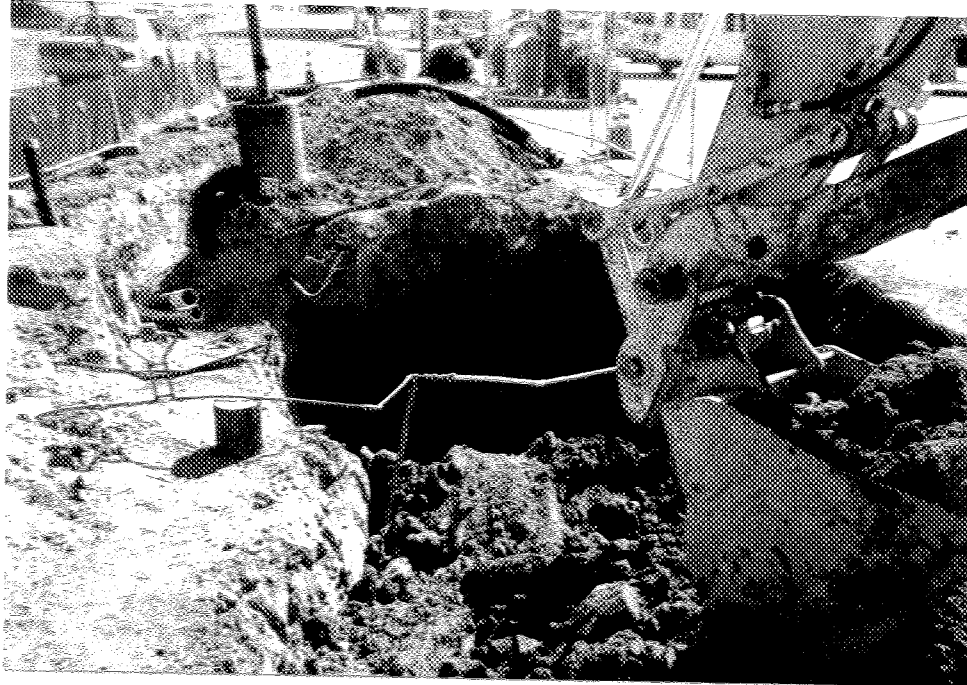
PHOTOGRAPHS



Looking east at utility trench/vault PCS excavation area.

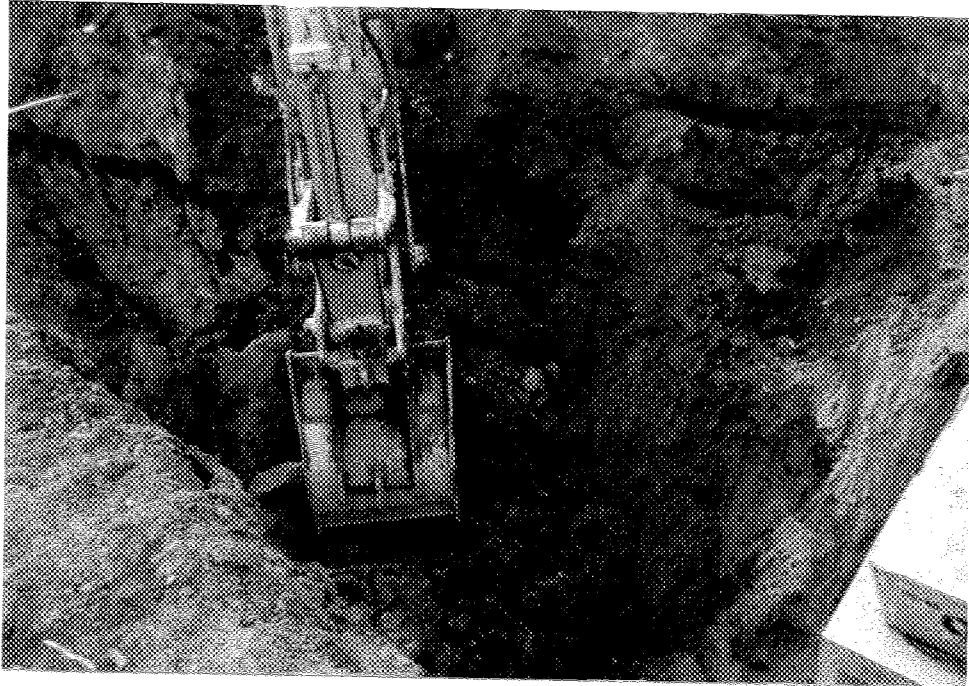


Northeast corner of South Othello Street and Martin Luther King Way South..



East end of trench was excavated to an approximate depth of 9 ½' x 20' wide. Note water line at top of photograph.





Visual and olfactory indications of PCS still present on south and east pit sidewalls.





Start of excavation on south side of vault.



Looking west at excavation on north side of vault. Note front of vault excavated below base.



West end of vault excavated to +/- 12 1/2' bgs. Soil sampling around vault at non-detect level. East end of excavation lined with poly prior to backfill. Vault area filled with slurry.