

September 14, 2005

Mr. Robert Shea
633 North Mildred Street, F3
Tacoma, WA 98406

Re: Near Surface Soil Investigation
1940 East 11th
Tacoma, WA 98421

Dear Mr. Shea:

Environmental Management Services (EMS) is pleased to present this Surface Soil Investigation report for work completed at 1940 East 11th Street, Tacoma, Washington (Site). Our services were performed in general accordance with our July 2005 proposal. The general location of the Site is shown on Figure 1.

Project Summary

Environmental Management Services, (EMS) was hired to complete a near surface soil investigation, focusing on the exterior yard operation located at 1940 East 11th Street property (the Site). The area is approximately 400 feet square and used by Tacoma Transload for storage and maintenance of heavy lifting (straddle lift) equipment. The entire area is gravel covered with a slight grade to the west off site. During routine maintenance several areas throughout the Tacoma Transload leased yard were inadvertently impacted with hydraulic fluid from the straddle lifts. Tacoma Transload was directed to excavate each of the stained areas (Project Photographs – Attached) with the intent to remove any impacted gravel and soil. During the initial inspection and sampling event, completed July 26, 2005, EMS observed six shallow excavations that had been completed by Tacoma Transload. The excavated soil had been stockpiled on site. The largest excavation had a surface area of approximately 5 square yards and the smallest 1 square yard.

Surface Soil Investigation Report
1940 East 11th
Tacoma, WA 98421

Soil Sampling & Analytical Results

Soil samples were collected, one from each excavated area. The samples were collected from between two and six inches beneath the surface of the remaining soil and gravel within the excavation. Each soil sample was delivered to Friedman and Bruya, a Washington State Department of Ecology accredited laboratory for chemical analysis.

Each sample was analyzed for Total Petroleum Hydrocarbon (TPH) by method NWTPH-HCID (Hydrocarbon Identification scan). This analytical method, required by the Washington Department of Ecology (Ecology), provides a definitive non-quantitative hydrocarbon identification differentiating between gasoline (carbons c6-c10), diesel (carbons c10-c24) and heavy oil (carbons c25-c36) range hydrocarbons. Each of the six samples was reported by the laboratory as positive (exceeding 100 mg/kg) for heavy soil range TPH (Table 2). EMS re-analyzed sample EX-3 to quantify the total petroleum hydrocarbons and assess the nature of the oil range contamination. Sample results reported the sample EX3 as containing 6000¹ mg/kg heavy oil range hydrocarbon, consistent with hydraulic oil. Additionally, the sample was reviewed by the laboratory for asphalt content. No asphalt was identified in the sample.

EMS directed Tacoma Transload to over excavate each of the test pits to remove any remaining impacted soil. This was completed on August 26th, 2005. EMS resampled each of the six test pits (samples TP1 through TP6). Each sample was analyzed for diesel and heavy oil range total petroleum hydrocarbons by method NWTPH-Dx. Sample TP4/5, was collected as a composite sample from test pits 4 and 5. Results from this sample diesel range hydrocarbon at 130 mg/kg and heavy oil range hydrocarbon at 730 mg/kg, below the Model Toxic Control Act Cleanup Limit (MTCA) of 2000 mg/kg. The remaining samples, TP1, TP2, TP3 & TP6 were reported below the laboratory reporting limits (Table 1).

EMS also collected soil samples from the stockpiled excavated material to assist in the characterization of the stockpile waste for disposal. One sample was collected on September 12, 2005. The sample was analyzed for Polychlorinated biphenyls (PCBs), volatile aromatic hydrocarbon (benzene, toluene, ethylbenzene, and xylene) and total metals, cadmium, chromium and lead. The sample analysis was required by Rabanco Regional Disposal. Chemical analysis identified low levels of lead (42 mg/kg) and chromium (3.9 mg/kg) in the

¹ Model Toxic Control Act (MTCA) Method "A" cleanup levels for heavy oil range hydrocarbons is 2000 mg/kg.

Surface Soil Investigation Report
1940 East 11th
Tacoma, WA 98421

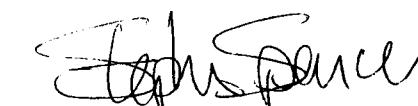
sample. The remaining sample results for PCB's and volatile aromatic hydrocarbon were reported below laboratory reporting limits. The low level metals impact is not expected to interfere with the disposal of the soil.

Conclusions & Recommendations

Based on the soil sampling chemical analysis results completed on August 26, 2005, heavy oil impacted soil identified in the July 26, 2005 sampling event has been excavated, transported off site and disposed at a licensed sub-title D disposal facility. Future equipment maintenance should be completed using drop cloths or on an impermeable surface such as asphalt. In the event soil is impacted in the future, immediate action should be taken to properly remediate any impacted material.

Should you have any questions regarding this report or for any other reason, please feel free to contact me at your convenience.

Sincerely,
Environmental Management Services, LLC



Stephen Spencer
Principal Environmental Scientist

Figures

- Figure 1 – Site Location Map
- Figure 2 – Site Topographic Map
- Figure 3 – Site Map
- Figure 4 – Confirmation Soil Sample Location Map

Tables

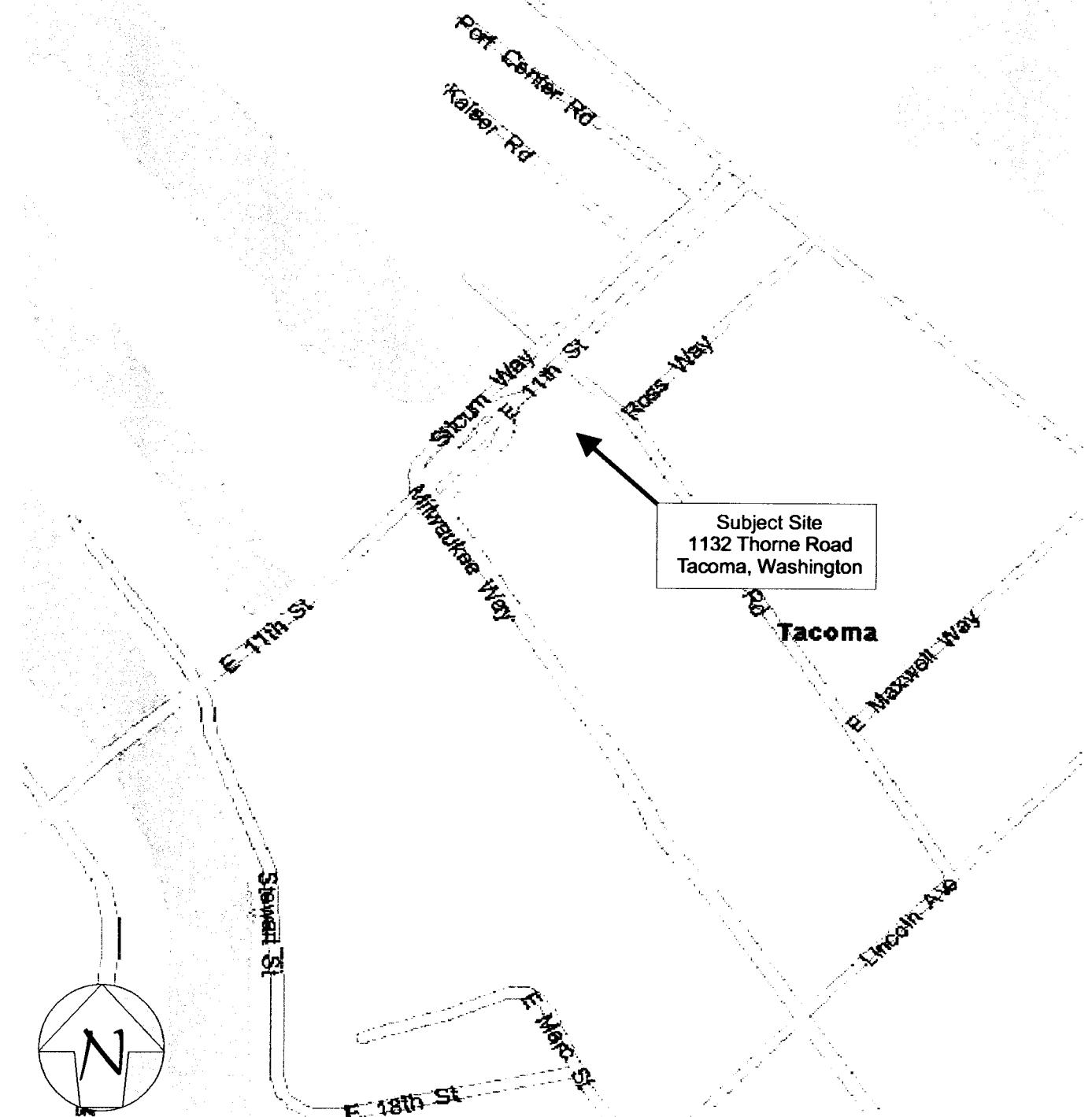
- Table 1 – Confirmation Soil Sample Results
- Table 2 – Performance Soil Sample Results

Attachments

- Attachment A – Laboratory Analytical Reports

Project Figures

Figure 1 - Site Location Map
Figure 2 - Site Topographic Map
Figure 3 - Site Map
Figure 4 - Confirmation Soil Sample Location Map



Environmental Management Services, LLC

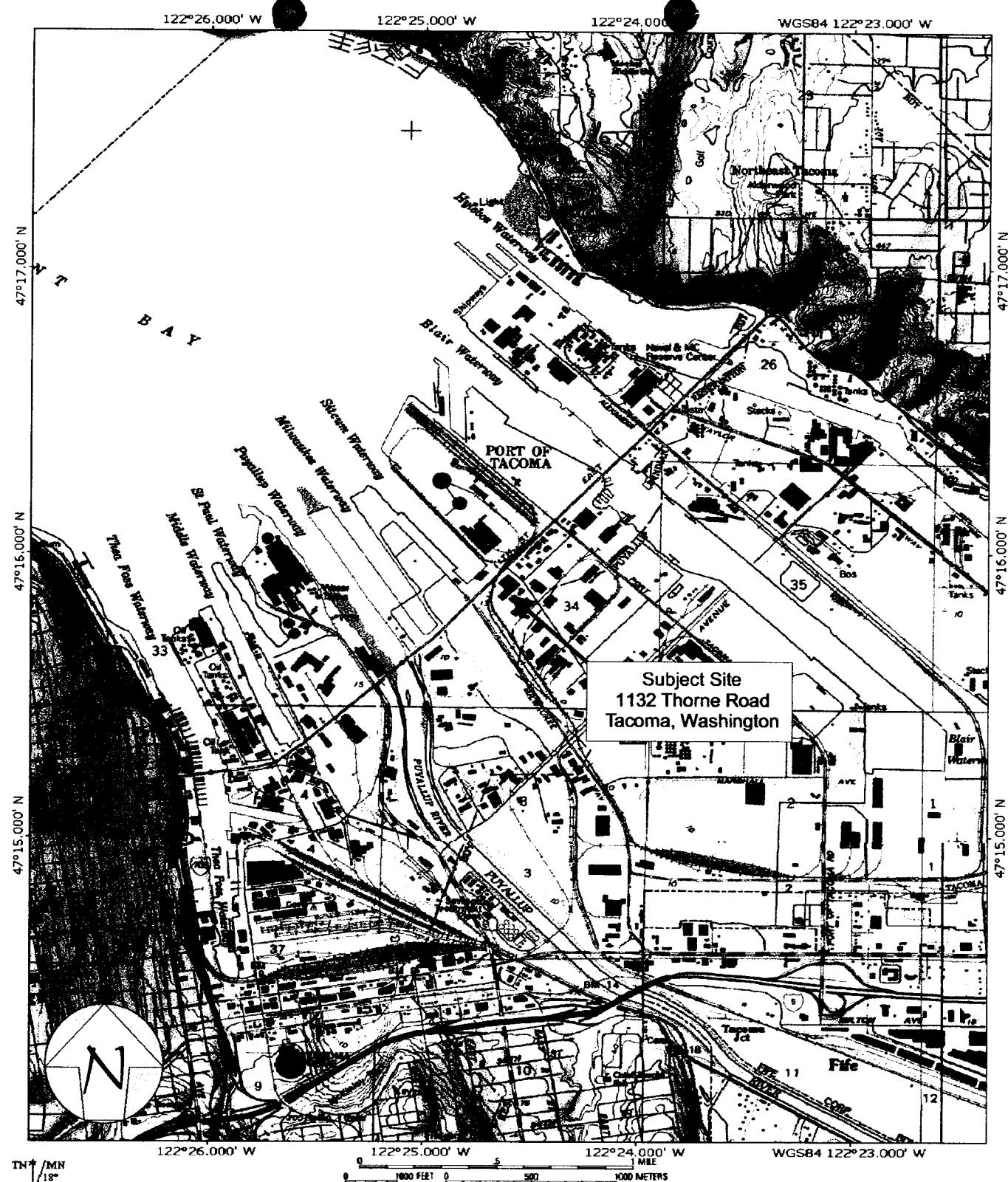
Site Location Map
Focused Surface Assessment
1940 East 11th
Tacoma, WA 98421

Project No./Name: Shea - Trans
Date: September 9, 2005
Drawn / Created By: S.Spencer
Checked By: S.Spencer

Figure No.

01

Providing Practical Environmental Compliance Solutions



Environmental Services
www.emsgroupllc.com

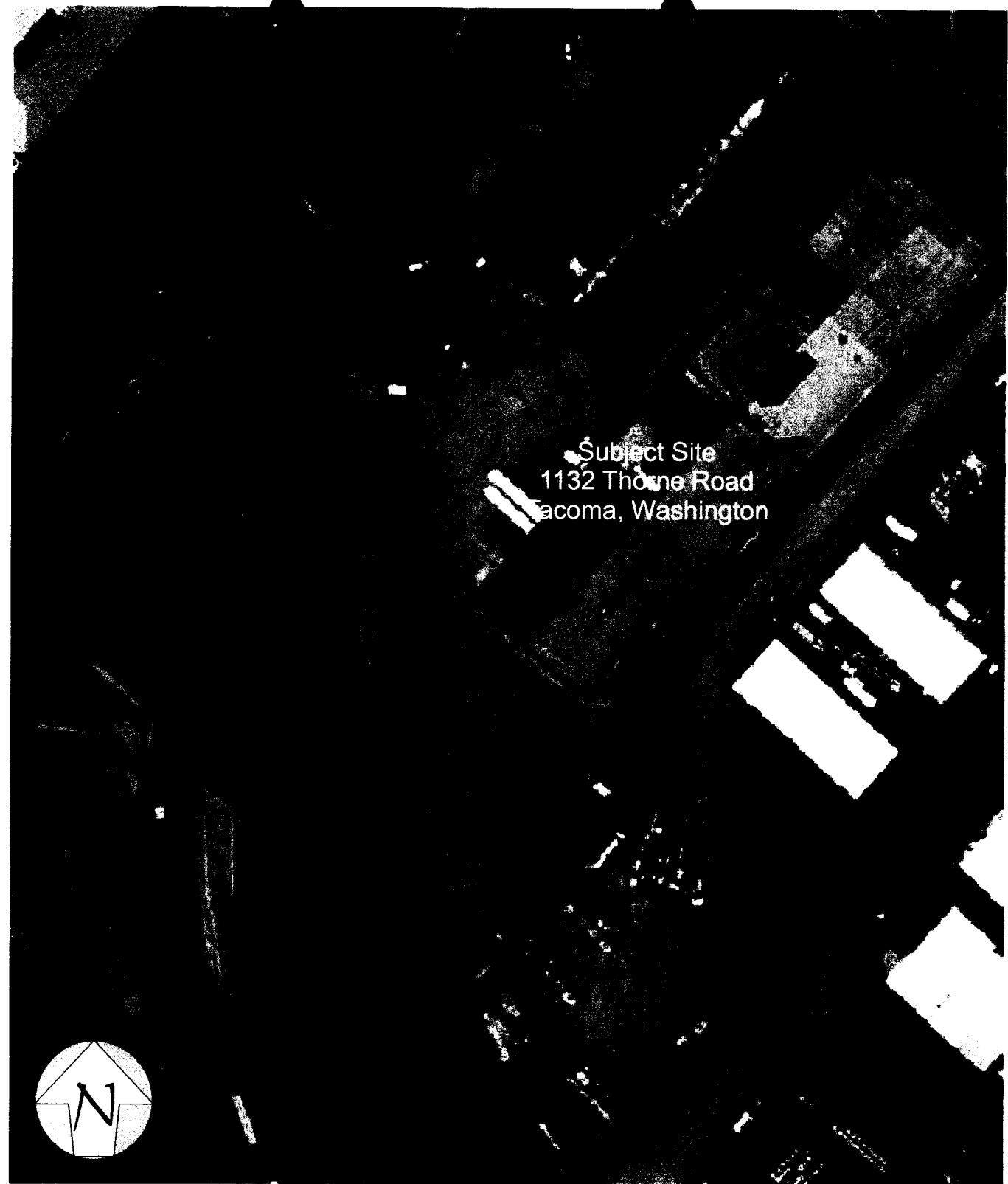
**Site Topographic Map
Focused Surface Assessment
1940 East 11th
Tacoma, WA 98421**

Project No./Name: Shea - Trans

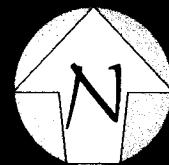
Date: September 9, 2005
Drawn / Created By: S.Spencer
Checked By: S.Spencer

Figure No.

02



Subject Site
1132 Thorne Road
Tacoma, Washington



Environmental Management Services, LLC

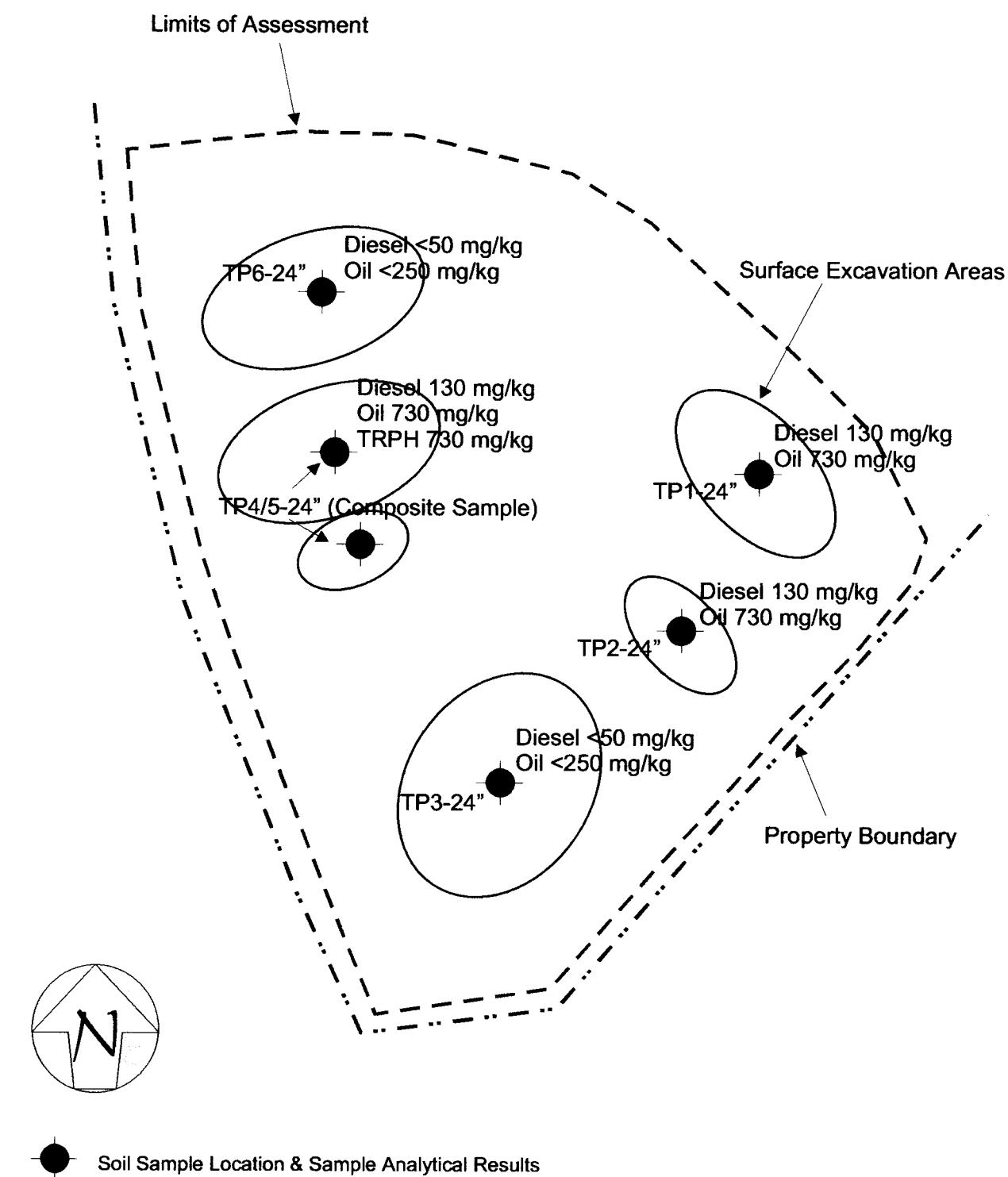
Site Map
Focused Surface Assessment
1940 East 11th
Tacoma, WA 98421

Project No./Name: Shea - Trans
Date: September 9, 2005
Drawn / Created By: S.Spencer
Checked By: S.Spencer

Figure No.

03

Providing Practical Environmental Compliance Solutions



**Confirmation Soil Sample Location Map
Focused Surface Assessment
1940 East 11th
Tacoma, WA 98421**

**Project No./Name: Shea - Trans
Date: September 9, 2005
Drawn / Created By: S.Spencer
Checked By: S.Spencer**

**Figure No.
04**



Photo 01 - Straddle lift with stained area below

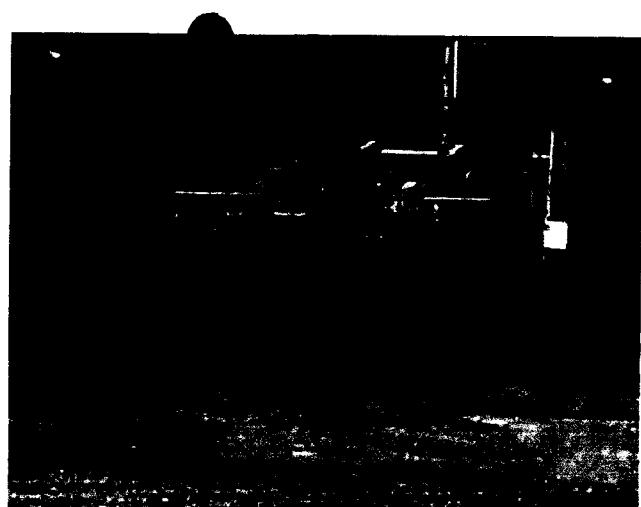


Photo 02 - Straddle lift with stained area below

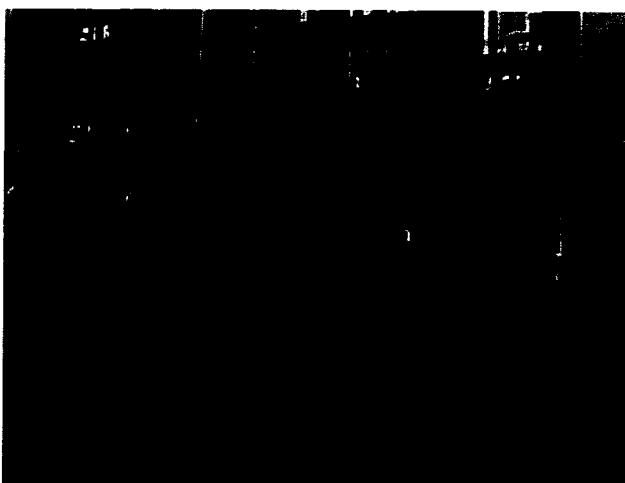


Photo 03 - Straddle lift with stained area below

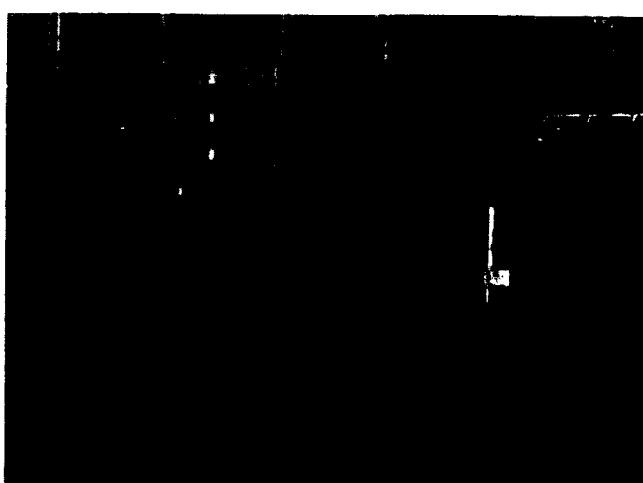


Photo 04 - Straddle lift with stained area below



Photo 05- Hydraulic oil stained gravel

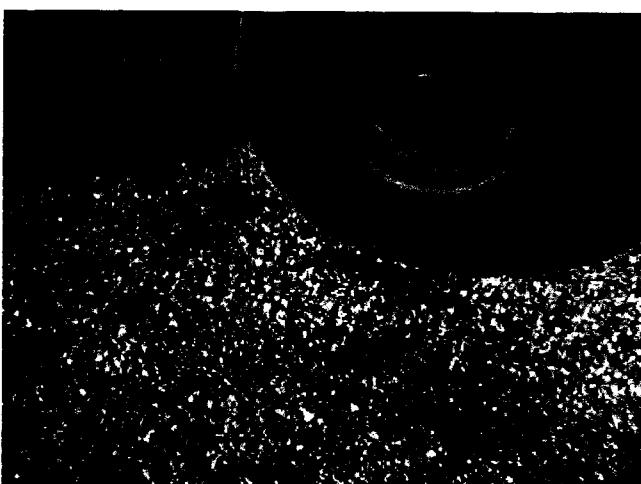


Photo 06 - Hydraulic oil stained gravel



Environmental Management Services, LLC

Project Photographs
Focused Surface Assessment
1940 East 11th
Tacoma, WA 98421

Project No./Name: Shea - Trans

Date: September 9, 2005
Drawn / Created By: S.Spencer
Checked By: S.Spencer

Figure No.

05
Page 1 of 2

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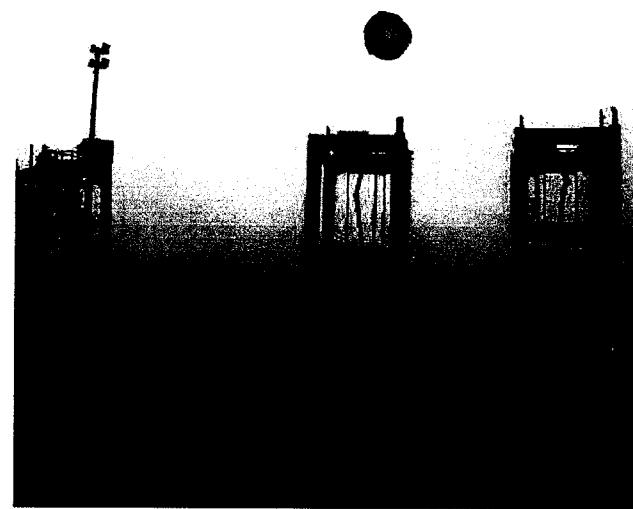


Photo 07 - Assessment Area - View to the west



Photo 08 - Excavation 01 final Sample Locations



Photo 09 - Excavation 02 final sample location



Photo 10 - Excavation 03 final sample location



Photo 11- Excavation 4 / 5 final sample location



Photo 12 - Excavation 06 final sample location



Environmental Management Services, LLC

Project Photographs
Focused Surface Assessment
1940 East 11th
Tacoma, WA 98421

Project No./Name: Shea - Trans
Date: September 9, 2005
Drawn / Created By: S.Spencer
Checked By: S.Spencer

Figure No.

05
Page 2 of 2

Providing Practical Environmental Compliance Solutions

Tables

Tables

Table 1 - Confirmation Soil Sample Results
Table 2 - Performance Soil Sample Results

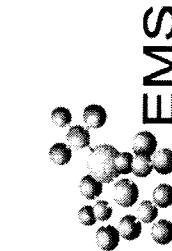


Table 1 - Confirmation Soil Sampling Results
Surface Soil Investigation
1940 East 11th
Tacoma, Washington

Sample Number	Sample Location	Sample Depth	Sample Date	NWTPH-Dx (mg/kg)		
				Diesel Range (carbon c12-c24)	Oil Range (carbon c24-c36)	TRPH (carbon c10-c36)
TP1-24"	Test pit 1	24-30"	08/26/05	<50	NA	<250
TP2-24"	Test pit 2	24-30"	08/27/05	<50	NA	<250
TP3-24"	Test pit 3	24-30"	08/28/05	<50	NA	<250
TP4-5-24"	Test pit 4/5 Composit	24-30"	08/29/05	130	730	550
TP6-24"	Test pit 6	24-30"	08/30/05	<50	<5	<250
Laboratory Detection or Practical Quantitation Limit Soil				50	100	250
Model Toxic Control Act (MTCA) Method A Cleanup Levels For Soil				2000	2000	2000

BOLD/RED = Analyte above MTCA 2001 Method A Cleanup levels for unrestricted land uses.

Values are reported in milligrams per kilogram (mg/kg) soil or micrograms per liter (ug/L) groundwater.

<# (ND) = analyte not detected above the analytical method detection limit cited.

Diesel / Mineral Oil / Oil analytical method NWTPH-Dx

Groundwater: Diesel range petroleum hydrocarbon Method A Cleanup Levels for groundwater are 500 ug/L

Soil: Diesel range petroleum hydrocarbon Method A Cleanup Levels for soil are 2000 mg/kg Diesel & Oil, 4000 mg/kg Mineral Oil, 500 ug/L

Groundwater: Gasoline

Soil: Gasoline range petroleum hydrocarbon Method A Cleanup Levels for groundwater are 1000 ug/L unless Benzene is present then 800 ug/L cleanup levels

MTCA 2001 Method A Cleanup Levels for Soil from the Model Toxics Control Act (MTCA) amendment Table 740-1 WAC 173-340 -900 Tables.

bgs=below ground surface

NA=Not Applicable

September 12, 2005



Table 2 - Performance Soil Sampling Results
Surface Soil Investigation
1940 East 11th
Tacoma, Washington

Sample Number	Sample Location	Sample Depth	Sample Date	NWTPH-HCID (Hydrocarbon Identification Scan) mg/kg				NWTPH-Dx mg/kg (carbon c10-c36)	TRPH (carbon c24-c36)
				Gasoline Range (carbon c4-c12)	Diesel Range (carbon c12-c24)	Heavy Oil Range (carbon c24-c36)	Oil Range (carbon c24-c36)		
EX1	Test pit 1	12-18"	07/26/05	<20	<50	>100	NA	<250	
EX2	Test pit 2	12-18"	07/26/05	<20	<50	>100	NA	<250	
EX3	Test pit 3	12-18"	07/27/05	<20	<50	>100	6000	4200	
EX4	Test pit 4	12-18"	07/28/05	<20	<50	>100	NA	550	
EX5	Test Pit 5	12-18"	07/29/05	<20	<50	>100	NA	<250	
EX6	Test pit 6	12-18"	07/30/05	<20	<50	>100	NA	250	
Laboratory Detection or Practical Quantitation Limit Soil				20	50	100	100	100	
Model Toxic Control Act (MTCA) Method A Cleanup Levels For Soil				100/30*	2000	2000	2000	2000	

BOLD/RED = Analyte above MTCA 2001 Method A Cleanup levels for unrestricted land uses.

Values are reported in milligrams per kilogram (mg/kg) soil or micrograms per liter (ug/L) groundwater.

< # (NP) = analyte not detected above the analytical method detection limit cited.

Diesel / Mineral Oil / Oil analytical method: NWTPH-Dx

Groundwater: Diesel range petroleum hydrocarbon Method A Cleanup Levels for groundwater are 500 ug/L

Soil: Diesel range petroleum hydrocarbon Method A Cleanup Levels for soil are 2000 mg/kg Diesel & Oil, 4000 mg/kg Mineral Oil, 500 ug/L

Groundwater: Gasoline range petroleum hydrocarbon Method A Cleanup Levels for groundwater are 1000 ug/L unless Benzene is present then 800 ug/L cleanup levels

Soil: Gasoline range petroleum hydrocarbon Method A Cleanup Levels for soil are 100 mg/kg unless Benzene is present then 30 mg/kg cleanup levels

MTCA 2001 Method A Cleanup Levels for Soil from the Model Toxics Control Act (MTCA) amendment Table 740-1 WAC 173-340-300 Tables.

bg=below ground surface

NA=Not Applicable

September 12, 2005

Attachment A

Laboratory Analytical Results
Laboratory Certification / Accreditation

Attachment A

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

August 4, 2005

Steve Spencer, Project Manager
Environmental Management Services, LLC
652 8th Avenue
Fox Island, WA 98333

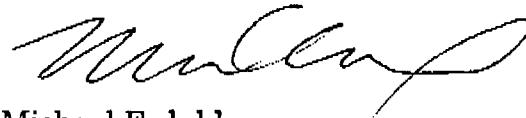
Dear Mr. Spencer:

Included are the results from the testing of material submitted on July 26, 2005 from the Shea Backyard, F&BI 507238 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
FAX: (253) 369-6228
EMS0804R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/04/05

Date Received: 07/26/05

Project: Shea Backyard, F&BI 507238

Date Extracted: 07/27/05

Date Analyzed: 07/27/05

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID**
Results Reported as Not Detected (ND) or Detected (D)

**THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY
THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO
PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION
OF ANY MATERIAL PRESENT**

<u>Sample ID</u> <u>Laboratory ID</u>	<u>Gasoline</u>	<u>Diesel</u>	<u>Heavy Oil</u>	<u>Surrogate</u> (% Recovery)
EX1 507238-01	ND	ND	D	112
EX2 507238-02	ND	ND	D	113
EX3 507238-03	ND	ND	D	110
EX4 507238-04	ND	ND	D	116
EX5 507238-05	ND	ND	D	105
EX6 507238-06	ND	ND	D	115
Method Blank	ND	ND	ND	100

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 100 mg/kg heavy oil.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/04/05

Date Received: 07/26/05

Project: Shea Backyard, F&BI 507238

Date Extracted: 07/28/05

Date Analyzed: 07/29/05

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as $\mu\text{g/g}$ (ppm)

<u>Sample ID</u> Laboratory ID	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> (% Recovery) (Limit 67-131)
EX3 507238-03	6,000	100
Method Blank	<50	112

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/04/05

Date Received: 07/26/05

Project: Shea Backyard, F&BI 507238

Date Extracted: 08/02/05

Date Analyzed: 08/03/05

**RESULTS FROM THE GRAVIMETRIC ANALYSIS OF THE
SOIL SAMPLES FOR TOTAL EXTRACTABLES ORGANICS
USING SM 5520B MOD**

Results Reported as $\mu\text{g/g}$ (ppm)

<u>Sample ID</u>	<u>Total Extractables</u>
<u>Laboratory ID</u>	
EX3	4,200
507238-03	
Method Blank	<100

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/04/05

Date Received: 07/26/05

Project: Shea Backyard, F&BI 507238

**QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED
USING METHOD NWTPH-Dx**

Laboratory Code: 507263-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	µg/g (ppm)	5,000	<50	95	108	71-130	13

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	µg/g (ppm)	5,000	109	69-134

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/04/05

Date Received: 07/26/05

Project: Shea Backyard, F&BI 507238

**QUALITY ASSURANCE RESULTS FROM THE GRAVIMETRIC ANALYSIS OF
SOIL SAMPLES FOR TOTAL EXTRACTABLES
USING SM 5520B MOD**

Laboratory Code: 507238-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Total Extractables	µg/g (ppm)	4,200	4,000	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Total Extractables	µg/g (ppm)	25,000	118	50-150

507238

SAMPLE CHAIN OF CUSTODY ME 07-236-05

80c

05/05 09:04am P. 008

Send Report To Steve Spencer

Address 465 8th Ave

Phone #~~269~~ 741-7059 Fax #~~269~~ 3697828

SAMPLERS <i>(signature)</i>	
PROJECT NAME NO. <i>City of Myrtle Beach</i>	
PO #	
Sheets used	
REMARKS	

Page #	of
TURNAROUND TIME	
<input type="checkbox"/> Standard (2 Weeks) <input type="checkbox"/> RUSH	
Rush charges authorized by:	
<hr/> SAMPLE DISPOSAL <hr/> <input type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Return samples <input type="checkbox"/> Will call with instructions	

Date of Report: 08/30/05
Date Received: 08/29/05
Project: Shea-Backlot, F&BI 508257
Date Extracted: 08/30/05
Date Analyzed: 08/30/05

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL
USING METHOD NWTPH-Dx**

Extended to Include Motor Oil Range Compounds
Results Reported on a Dry Weight Basis
Results Reported as $\mu\text{g/g}$ (ppm)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>TRPH</u> (C ₁₀ -C ₉₆)	<u>Surrogate</u> (% Recovery) (Limit 67-131)
TP1-24" 508257-01	<50	<250	108
TP2-24" 508257-02	<50	<250	108
TP3-24" 508257-03	<50	<250	112
TP4/5-24" x 508257-04	130	550	108
TP6-24" 508257-05	<50	<250	107

DRAFT

Date of Report: 08/30/05
Date Received: 08/29/05
Project: Shea-Backlot, F&BI 508257
Date Extracted: 08/30/05
Date Analyzed: 08/30/05

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis
Results Reported as $\mu\text{g/g}$ (ppm)

<u>Sample ID</u> Laboratory ID	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	Surrogate (% Recovery) (Limit 67-131)
TP4/5-24" 508257-04	730	108

DRAFT

FRIEDMAN & BRUYA, INC.
ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 283-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

September 16, 2005

Steve Spencer, Project Manager
Environmental Management Services, LLC
652 8th Avenue
Fox Island, WA 98338

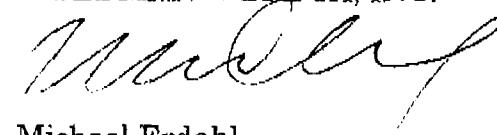
Dear Mr. Spencer:

Included are the results from the testing of material submitted on September 12, 2005 from the Shea Rear Lot 9/12, F&BI 509074 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
FAX: (253) 369-6228
EMS0916R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/16/05

Date Received: 09/12/05

Project: Shea Rear Lot 9/12, F&BI 509074

Date Extracted: 09/13/05

Date Analyzed: 09/13/05

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLE
FOR BENZENE, TOLUENE, ETHYLBENZENE AND XYLEMES
USING EPA METHOD 8021B**

Results Reported on a Dry Weight Basis

Results Reported as $\mu\text{g/g}$ (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	Surrogate (% Recovery) (Limit 50-150)
SP 1 509074-01	<0.02	<0.02	<0.02	<0.06	102
Method Blank	<0.02	<0.02	<0.02	<0.06	102

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/16/05

Date Received: 09/12/05

Project: Shea Rear Lot 9/12, F&BI 509074

Date Extracted: 09/12/05

Date Analyzed: 09/13/05

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR PCBs REPORTED AS AROCLORS
USING EPA METHOD 8082**
Results Reported as $\mu\text{g/g}$ (ppm)

<u>Sample ID</u> <u>Laboratory ID</u>	Aroclor								Surrogate (% Rec.) (Limit 50-150)
	<u>1221</u>	<u>1232</u>	<u>1016</u>	<u>1242</u>	<u>1248</u>	<u>1254</u>	<u>1260</u>	<u>1262</u>	
SP 1 509074-01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	127
Method Blank	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	98

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/16/05

Date Received: 09/12/05

Project: Shea Rear Lot 9/12, F&BI 509074

Date Extracted: 09/13/05

Date Analyzed: 09/13/05

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS
BY EPA METHOD 6010**

Results Reported on a Dry Weight Basis

Results Reported as $\mu\text{g/g}$ (ppm)

<u>Sample ID</u> Laboratory ID	<u>Cd</u>	<u>Cr</u>	<u>Pb</u>
SP 1 509074-01	<1.0	3.9	42
Method Blank	<1.0	<1.0	<2.0

Cd Cadmium

Cr Chromium

Pb Lead

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/16/05

Date Received: 09/12/05

Project: Shea Rear Lot 9/12, F&BI 509074

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLE
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLEMES AND TPH AS GASOLINE
USING EPA METHOD 8021B**

Laboratory Code: 509074-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	µg/g (ppm)	<0.02	<0.02	nm
Toluene	µg/g (ppm)	<0.02	<0.02	nm
Ethylbenzene	µg/g (ppm)	<0.02	<0.02	nm
Xylenes	µg/g (ppm)	<0.06	<0.06	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Percent		
		Spike Level	Recovery LCS	Acceptance Criteria
Benzene	µg/g (ppm)	0.5	110	71-115
Toluene	µg/g (ppm)	0.5	108	62-124
Ethylbenzene	µg/g (ppm)	0.5	110	67-120
Xylenes	µg/g (ppm)	1.5	111	60-123

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/16/05

Date Received: 09/12/05

Project: Shea Rear Lot 9/12, F&BI 509074

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES FOR
POLYCHLORINATED BIPHENYLS AS
AROCLOR 1016/1260 BY EPA METHOD 8082**

Laboratory Code: 509068-07 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Aroclor 1016	µg/g (ppm)	<0.1	<0.1	nm
Aroclor 1260	µg/g (ppm)	<0.1	<0.1	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LSOD	Acceptance Criteria	RPD (Limit 20)
Aroclor 1016	µg/g (ppm)	0.8	101	101	70-139	0
Aroclor 1260	µg/g (ppm)	0.8	128	125	83-144	2

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/16/05

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Project: Shea Rear Lot 9/12, F&BI 509074

**QUALITY ASSURANCE RESULTS
FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS
BY EPA METHOD 6010**

Laboratory Code: 509049-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Cadmium	µg/g (ppm)	<1.0	<1.0	nm	0-20
Chromium	µg/g (ppm)	7.9	7.7	3	0-20
Lead	µg/g (ppm)	12	12	0	0-20

Laboratory Code: 509049-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery	
				MS	Acceptance Criteria
Cadmium	µg/g (ppm)	25	<1.0	82	50-150
Chromium	µg/g (ppm)	25	7.9	73	50-150
Lead	µg/g (ppm)	50	12	70	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery	
			LCS	Acceptance Criteria
Cadmium	µg/g (ppm)	25	104	70-130
Chromium	µg/g (ppm)	25	106	70-130
Lead	µg/g (ppm)	50	106	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.