



July 8, 2005

Messrs. Ernie Reinhard and John Sugg
Reinhard Distributing Company, Inc.
28727 Pacific Highway South
Federal Way, Washington 98003

Re: Diesel Release and Cleanup
Ernie's Fuel Stop – 33101 Pacific Highway South
Ecology Release Tracking ID #548623
Project No. 040181-004-01

Dear Sirs:

This letter documents cleanup of a limited area of shallow diesel-impacted soil at Ernie's Fuel Stop located at 33101 Pacific Highway South in Federal Way, Washington. The site is a full service fueling facility and truck stop.

During site facility upgrade work by Saybr Contractors on June 3, 2005, workers reported smelling diesel-like odors from soil when preparing the subgrade for paving. The area of impacted soil was reportedly near the location of the former diesel satellite pump. Aspect Consulting subsequently met Saybr Contractors at the site on June 6, 2005 to evaluate the nature and extent of the diesel-impacted soil and direct cleanup activities. A trackhoe was used to excavate an area approximately 10-foot-long by 8-foot-wide by 4-foot-deep where impacted soil was present. Site soil consisted of dense, moist, sandy gravel to gravelly sand fill material overlying very dense, moist, silty gravel interpreted as glacial till. No groundwater was present in the excavation.

One characterization sample of representative impacted soil (TP-1-S-2-2) was collected during excavation, and a total of five confirmation samples (one floor and four sidewall) were collected after excavating all soil displaying notable field indicators of diesel impacts. Figure 1 presents a site plan showing the area excavated and confirmation sample locations.

Soil samples were submitted under proper chain of custody procedures to Friedman & Bruya, Inc. of Seattle, Washington. The characterization sample was analyzed for gasoline-range hydrocarbons by Northwest Method NWTPH-Gx, for diesel- and oil-range hydrocarbons by Northwest Method NWTPH-Dx, and for BTEX compounds (benzene, toluene, ethylbenzene and total xylenes) by EPA Method 8260B. The five confirmation samples were submitted for diesel-range hydrocarbon analysis by Northwest Method NWTPH-Dx.

Tables 1 and 2 present the analytical results for the characterization and confirmation samples. The characterization sample (TP-1-S-2-2) contained diesel-range hydrocarbons at a concentration of 9,700 milligrams per kilogram (mg/kg), and gasoline at a concentration of 250 mg/kg. The gasoline results were flagged by the laboratory as overlap from the diesel-range hydrocarbons. Benzene, ethylbenzene and xylenes were detected in the characterization sample at trace concentrations; all of which were at or below their respective Washington State Model Toxics Control Act (MTCA) Method A soil cleanup levels. Two of the confirmation samples did not contain detectable concentrations of diesel-range hydrocarbons. Diesel was

File (u) Release # 4171
ERNIE'S TRUCK STOP
FEDERAL WAY
UST # 6335
LETS # 548623

present in the other three confirmation samples, but at concentrations well below the MTCA Method A soil cleanup levels for diesel. The laboratory report is attached.

Upon receipt of analytical results, Aspect Consulting called the Department of Ecology NW Region office to report the release as required by Washington Administrative Code (WAC) 173-340-300. The release was reported to Gayle Garbusch, who assigned a release tracking number (#548623). Ms. Garbusch indicated that site was listed on Ecology's leaking underground storage tank (LUST) list in response to a 1992 release, which the Ecology database notes as "*reported cleanup up*".

Excavated diesel-impacted soil (approximately 17 cubic yards) was loaded into a truck and transported to Waste Management, Inc. for landfilling. Disposal documentation is attached. The excavated area was subsequently restored to grade with imported, clean granular fill.

The results of the confirmation samples collected after completion of excavation confirm that MTCA Method A cleanup levels for unrestricted land use were achieved and no additional soil cleanup is necessary. Since diesel impacts were limited to shallow soil and no groundwater was observed, a groundwater assessment is not considered warranted.

Please feel free to call us at (206) 780-9370 with any questions. Note that in compliance with MTCA rules, a copy of this report has been submitted to the Ecology's NW Region office.

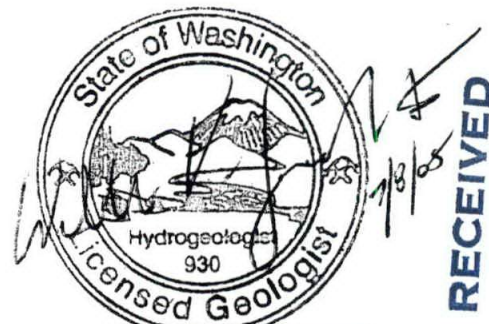
Sincerely,

Aspect consulting, LLC



Robert Reginald Hanford

Robert R. Hanford, LHG
Project Geologist
bhanford@aspectconsulting.com



William V. Goodhue

William (Chip) V. Goodhue, LHG
Associate Hydrogeologist
cgoodhue@aspectconsulting.com

RECEIVED

JUL 11 2005

DEPT OF ECOLOGY

Attachments: Table 1 – Characterization Sample Analytical Results Summary
Table 2 – Confirmation Sample Analytical Resumes Summary
Figure 1 – Site Plan with Excavation and Sampling Locations
Appendix A – Laboratory Report
Appendix B – Disposal Documentation

cc: John Whitefield, UST Supervisor, Department of Ecology NW Region

Table 1
Characterization Sample Analytical Results Summary
Ernie's Fuel Stop - Reinhard Petroleum
33101 Pacific Highway South

Sample Information			Analytical Method						
Sample Identification	Sample Date	Sample Type	Gasoline by NWTPH-Gx	BTEX Compounds by EPA Method 8260B				Diesel by NWTPH-Dx	Oil by NWTPH-Dx
			Gasoline (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Total Xylenes (mg/kg)	Diesel (mg/kg)	Oil (mg/kg)
TP-1-S-2-2	6/6/2005	Characterization	250 ¹	0.03	<0.05	0.83	2.1	9,700	9,900
MTCA Method A Soil Cleanup Levels for Unrestricted Land Use			100 ²	0.03	7	6	9	2,000	2,000

¹ Laboratory noted that the pattern of peaks present is not indicative of gasoline, and gasoline result is due to overlap from the diesel range.

² Cleanup level for gasoline mixtures when benzene is absent.

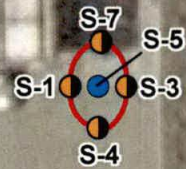
Table 2
Confirmation Sample Analytical Results Summary
Ernie's Fuel Stop - Reinhard Petroleum
33101 Pacific Highway South

Sample Information				Analytical Method	
Sample Identification	Sample Date	Sample Type	Sample Depth, feet	Diesel by NWTPH-Dx	Oil by NWTPH-Dx
				Diesel (mg/kg) C ₁₀ C ₂₄	Oil (mg/kg) C ₁₀ -C ₃₆
TP-1-S-1-3	6/6/2005	West Sidewall	3	<50	<250
TP-1-S-3-3	6/6/2005	East Sidewall	3	150	<250
TP-1-S-4-2	6/6/2005	South Sidewall	2	<50	<250
TP-1-S-5-4	6/6/2005	Bottom Sample	4	780	840
TP-1-S-7-2	6/6/2005	North Sidewall	2	880	940
<i>MTCA Method A Soil Cleanup Levels for Unrestricted Land Use</i>				2,000	2,000



Pacific Highway South / Highway 99

South 332nd Street



0 50 100 Feet

- Excavation
- Sidewall sample
- Floor sample



**Site Plan with Excavation
and Sampling Locations**
Ernies Fuel Stop, 33101 Pacific Highway South
Federal Way, Washington

DATE	June 2005	PROJECT NO.	040181-004-01
DESIGNED BY	ACM	FIGURE NO.	1
DRAWN BY	ACM		
REVIEWED BY	ACM		

APPENDIX A

Laboratory Report

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

June 13, 2005

Chip Goodhue, Project Manager
Aspect Consulting
811 1st Ave., Suite 480
Seattle, WA 98104

Dear Mr. Goodhue:

Included are the results from the testing of material submitted on June 6, 2005 from the Ernie's Fuel Stop, PO#040181, F&BI 506043 project. There are 7 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
ASP0613R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/13/05

Date Received: 06/06/05

Project: Ernie's Fuel Stop, PO#040181, F&BI 506043

Date Extracted: 06/06/05

Date Analyzed: 06/07/05

**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 ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 67-131)
TP-1 S-1-3 506043-01	<50	<250	95
TP-1 S-2-2 506043-02	9,700	9,900	78
TP-1 S-3-3 506043-03	150	<250	108
TP-1 S-4-2 506043-04	<50	<250	85
TP-1 S-5-4 506043-05	780	840	84
TP-1 S-7-2 506043-07	880	940	84
Method Blank	<50	<250	87

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/13/05

Date Received: 06/06/05

Project: Ernie's Fuel Stop, PO#040181, F&BI 506043

Date Extracted: 06/07/05

Date Analyzed: 06/07/05

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis

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

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	Surrogate (% Recovery) (Limit 66-150)
TP-1 S-2-2 x 506043-02	250	ip
Method Blank	<1	77

ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

x - The pattern of peaks present is not indicative of gasoline. The result is due to overlap from the diesel range.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID: TP-1 S-2-2
Date Received: 06/06/05
Date Extracted: 06/08/05
Date Analyzed: 06/09/05
Matrix: soil
Units: ug/g (ppm)

Client: Aspect Consulting
Project: Ernie's Fuel Stop
Lab ID: 506043-02
Data File: 060832.D
Instrument: GCMS5
Operator: YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	112	36	146
1,2-Dichloroethane-d4	113	40	139
Toluene-d8	110	36	152
4-Bromofluorobenzene	116	67	124

Compounds:	Concentration ug/g (ppm)
Benzene	0.03
Toluene	<0.05
Ethylbenzene	0.83
m,p-Xylene	1.7
o-Xylene	0.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260B

Client Sample ID:	Method Blank	Client:	Aspect Consulting
Date Received:	Not Applicable	Project:	Ernie's Fuel Stop
Date Extracted:	06/08/05	Lab ID:	05-778 mb
Date Analyzed:	06/09/05	Data File:	060826.D
Matrix:	soil	Instrument:	GCMS5
Units:	ug/g (ppm)	Operator:	YA

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Dibromofluoromethane	114	36	146
1,2-Dichloroethane-d4	112	40	139
Toluene-d8	103	36	152
4-Bromofluorobenzene	112	67	124

Compounds:	Concentration ug/g (ppm)
Benzene	<0.03
Toluene	<0.05
Ethylbenzene	<0.05
m,p-Xylene	<0.1
o-Xylene	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/13/05

Date Received: 06/06/05

Project: Ernie's Fuel Stop, PO#040181, F&BI 506043

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

Laboratory Code: 506040-03 (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	125	125	61-136	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	µg/g (ppm)	5,000	126	61-140

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/13/05

Date Received: 06/06/05

Project: Ernie's Fuel Stop, PO#040181, F&BI 506043.

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR TPH AS GASOLINE
USING METHOD NWTPH-Gx

Laboratory Code: 506037-02 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Gasoline	µg/g (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	µg/g (ppm)	20	87	58-134

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: 06/13/05

Date Received: 06/06/05

Project: Ernie's Fuel Stop, PO#040181, F&BI 506043

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260B

Laboratory Code: 506013-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference (Limit 20)
Benzene	µg/g (ppm)	<0.03	<0.03	nm
Toluene	µg/g (ppm)	<0.05	<0.05	nm

Laboratory Code: 505013-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Benzene	µg/g (ppm)	2.5	<0.03	86	41-133
Toluene	µg/g (ppm)	2.5	<0.05	87	45-142

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	µg/g (ppm)	2.5	89	71-119
Toluene	µg/g (ppm)	2.5	92	73-130

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

506043

SAMPLE CHAIN OF CUSTODY

6/6/05

ME

Send Report To

Chip Goodhue

Company

Aspect Consulting

Address

811 1st Ave., Suite 480

City, State, ZIP

Seattle, WA 98104

Phone #

(206) 328-7443

Fax #

(206) 838-5853

SAMPLERS (signature)

Robert R. Hartford

PROJECT NAME/NO.

Ernie's Fuel Stop

PO #

040181

REMARKS

Page # 1 of 1

COT
SW

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
✓ TP-1 S-1 - 3	01	6-6-05	0730	Soil	1	X										
✓ TP-1 S-2 - 2	02		0735		1	X	X	X								characterization
✓ TP-1 S-3 - 3	03		0740		1	X										
✓ TP-1 S-4 - 2	04		0745		1	X										
✓ TP-1 S-5 - 4	05		0750		1	X										
TP-1 S-6 - 3	06		0755		1	HOLD										
✓ TP-1 S-7 - 2	07		0800		1	X										
SP-1	08		0805		1	HOLD										HOLD
SP-2	09		0810		1	HOLD										HOLD
SP-3	10		0815		1	HOLD										HOLD

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <i>Robert R. Hartford</i>	Robert R. Hartford	Aspect	6-6-05	10:10 am
Received by: <i>Eric Young</i>	Eric Young	FBI	6/6/05	10:10 am
Relinquished by:				
Received by:				

APPENDIX B

Disposal Documentation

FAX TRANSMITTAL**Original Will:**☒ Not Be Sent☐ Be Mailed☐ Be sent 2nd day☐ Be sent overnight**Date:** 6/29/05**To:** Bob Hanford**Company:** Aspect Consultants**Fax Number:** 206-780-9438**From:** Mike Muller**Number of Pages (including the cover sheet):** 4**Message:** Ernies Truck Stop Contaminated Soil

Bob,

Attached please find the disposal ticket, trucking ticket & profile number for the disposal of contaminated soil from Ernies.

Please contact me should you have any questions or need further information.

Thank you,

A handwritten signature in black ink, appearing to read "M T M", followed by a horizontal line.

Michael T. Muller


Saybr Contractors, Inc.

12115 Canyon Road E • Puyallup WA 98373

Phone: (253) 531-2144

Fax: (253) 536-2068

BILL OF LADING/SCALE TICKET

 WASTE MANAGEMENT, INC.		TICKET 22033 WMI ARRF 70 S. ALASKA ST. SEATTLE WA. TRUCK ID 993 TIME 12:04 PM 22 JUN 2005					
Generators Name & Address: REINHARD DISTRIBUTING COMPANY Billing: Saybr Contracting Contact Person: Mike Muller Telephone: 253-531-2144		GROSS 90620 LB K TARE 39500 LB NET 51120 LB NET 25.56 TON TIME 12:04 PM 22 JUN 2005					
Acknowledgement of Loading <table border="1"><tr><td>_____ Name (Please Print)</td><td>_____ Company</td></tr><tr><td>_____ Signature</td><td>_____ Date</td></tr></table>				_____ Name (Please Print)	_____ Company	_____ Signature	_____ Date
_____ Name (Please Print)	_____ Company						
_____ Signature	_____ Date						
Deliver To: ALASKA RELOAD & RECYCLING FACILITY 70 SOUTH ALASKA STREET SEATTLE, WASHINGTON 98134 TELEPHONE #: (206) 763-5025 MONDAY-FRIDAY 7:00AM-4:00PM		Disposal Facility: COLUMBIA RIDGE LANDFILL AND RECYCLING FACILITY 18177 CEDAR SPRINGS LANE ARLINGTON, OREGON 97812 TELEPHONE: (541) 454-2030					
Transporter Name: Randles Topsoil Sand & Gravel Truck #: 993		Waste Profile #: 6810VB Waste Type: ADC Expiration Date: 6/15/2006					
<table border="1"><tr><td colspan="2">Ben Armstrong Driver's Name (Please Print)</td></tr><tr><td>Ben Armstrong Driver's Signature</td><td>6-22-05 Date</td></tr></table> Remarks:				Ben Armstrong Driver's Name (Please Print)		Ben Armstrong Driver's Signature	6-22-05 Date
Ben Armstrong Driver's Name (Please Print)							
Ben Armstrong Driver's Signature	6-22-05 Date						

205111-17010

205386

PURDY TOPSOIL & GRAVEL ☐

Randlee Sand & Gravel (253) 531-6800
Lynch Creek Quarry: (980) 832-4268
Purdy Topsoil & Gravel: (253) 857-5850
Accounting Office: (253) 631-8835
MAILING ADDRESS: 19209 Canyon Rd. E.,
Puyallup, WA 98375

DATE 6-22-05

NAME Saybc

ADDRESS 331 1/2 Ave Pit Loc: _____

Job #: spoils to waste management Truck # 993

☐ CASH ☐ CREDIT CARD ☐ CHECK ☒ ON ACCOUNT

[illegible]

The customer assumes all responsibility for damages inside the curb or property line to property or person.

TERMS: PAYMENT ON DELIVERY 1½% Charge if not paid within 15 days of billing.

WASTE MANAGEMENT, INC. ...NON HAZARDOUS WASTE DISPOSAL SOLUTIONS FOR THE PACIFIC NORTHWEST

JOHN BOUGHES 206-618-6503

Alaska Street Reload and Recycling

70 South Alaska Street, Seattle Washington 98106

*Alaska
Colorado*

Profile # 6810VB

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated 4/03

EXPIRES: 6/15/06

**GENERATOR: REINHARD DISTRIBUTING
COMPANY**

DESCRIPTION: PCS - DIESEL AND GASOLINE		VOLUME: 30 tons
<input type="checkbox"/> DRUMS	<input type="checkbox"/> BR <input checked="" type="checkbox"/> ADC	<input type="checkbox"/> CLEAN UP
LOCATION: FEDERAL WAY, WASHINGTON		COUNTY: * KING
CONTACT: MIKE MULLER		PHONE: 253-331-2144
		FAX: 253-336-3068
Recertification: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

BILLING: SAYBR CONTRACTING	PO#: 2051111	JOB#: N/A
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TYPE OF DISPOSAL/SPECIAL HANDLING:	BULK, ADC		
MB	KN	MH	MTP

APPROVED: <i>JB</i>	JOAN BARTZ	DATE: 06/15/05 4:57:46 PM
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A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER
PROJECTS MUST BE SCHEDULED WITH FACILITY MANAGEMENT CALL: 206-763-5025



WASTE MANAGEMENT
HAZARDOUS WASTE IS STRICTLY PROHIBITED