

**TANK CLOSURE REPORT FOR
ABE PETROLEUM**

**17715 MISSION BOULEVARD
HAYWARD, CALIFORNIA**

**Prepared for
Mr. PAUL GARG
ABE PETROLEUM**

**Prepared by
SIERRA ENVIRONMENTAL, INC.**

*2084 Alameda Way
Suite 201*

San Jose

95126

**September 24, 1997
Project 97-103.02**

(408) 248-3700

17715 Mission Blvd
Hayward, CA 94541
415-885-1770

SIERRA Environmental, Inc.

An Environmental Consulting Company

September 24, 1997
Project 97-103.02

Mr. Paul Garg
ABE Petroleum
17715 Mission Boulevard
Hayward, CA 94587

Subject: Tank Closure Report, 17715 Mission Boulevard, CA 94587

Dear Mr. Garg:

Sierra Environmental, Inc. (Sierra) is pleased to present this tank closure report for the subject property (Site), shown in Figure 1. The report discusses the field observation during underground storage tank (UST) removal, and includes analytical results for initial soil samples collected from beneath the USTs. The construction activities were performed by Balch Petroleum of Milpitas, California. Sierra was retained directly by ABE's representatives to perform the related environmental sampling services. Sierra submitted the soil samples to Priority Environmental Laboratory (PEL) of Milpitas for chemical analysis. PEL is a state-certified independent analytical laboratory.

TANK REMOVAL AND SOIL SAMPLING

Sierra's representative observed UST removal activities at the Site on September 16, 1997. One 2,000-gallon single wall steel premium unleaded gasoline, one 6,000-gallon single wall steel premium unleaded gasoline, one 6,000-gallon single wall steel unleaded plus gasoline were removed from a tank complex (approximately 32' x 20' x 13'). The excavation northern boundary was approximately within 5 feet of the sidewalk which runs along Mission Boulevard. After the tank removal, the excavation was backfilled with clean material. One 10,000-gallon single wall steel regular unleaded gasoline and one 500-gallon waste oil UST were removed from a separate tank complex (approximately 20' x 12' x 13') located in the middle of the Site. This location was overexcavated to install the new USTs. After removal, Erickson, Inc. transported the tanks from the Site the same day. All tanks were in good condition; no holes were observed in the tanks. The 10,000-gallon UST had protective tar cover suggesting that it was installed at a later date than the remaining USTs. The tank's backfill material consisted of fine sand. The soil of the excavation sidewalls consisted of brown/gray silty sand with some clay. Representatives of Alameda County Fire Department (ACFD), and Alameda County Health Agency (ACHA) were present during the tank removal activities. UST locations are shown in Figure 2.

At the direction of the ACHA's representative, Sierra collected 9 soil samples (T1-14 through T6-14, T7-8, T8-14, and T9-14) from beneath the USTs. One sample was collected from beneath each end of the fuel tanks. One soil sample was collected from beneath the filler end of the waste oil tank. **Hydrocarbon odor was detected in the soil samples.**

Soil samples were collected in clean 6-inch brass liners from the excavator bucket. After collection, the liners were sealed with Teflon® tape and plastic end-caps. They were labeled, placed on ice, and delivered to PEL with appropriate chain-of-custody documentation. Sampling locations are shown in Figure 2. Analytical results for the soil samples collected from beneath the fuel tanks are presented in Table 1. Analytical results for the soil sample collected from beneath the waste oil tank is presented in Table 2. Copies of the hazardous waste manifest for the USTs are provided in Appendix A.

PRODUCT PIPING REMOVAL AND SOIL SAMPLING

Balch Petroleum removed fiberglass piping and pea gravel from the product piping trenches before Sierra collected soil samples for chemical analysis. **No visual soil contamination was observed in the trenches.** Sierra collected five soil samples (P1-2 through P5-2) from beneath the product piping for chemical analysis. Sierra used clean 6-inch brass liners to collect the soil samples. The liners were penetrated into the native soil using a rubber mallet. After collection, the samples were handled with the above procedures. Sampling locations are shown in Figure 2. The analytical results are presented in Table 3

SOIL STOCKPILE SAMPLING

On September 18, 1997, Sierra collected two composite soil samples (ST1, A,B,C,D and ST2, A, B, C, D) from the excavated soil stockpiles. Four samples were collected randomly from each stockpile using clean brass liners, and the same procedures as described above. The liners were composited into one sample at PEL before the analysis. ST1, A,B,C,D was collected from the soil stockpile which was excavated from the filler end area of the 10,000-gallon tank. The soil was gray silty clay, and had hydrocarbon odor. ST2, A,B,C,D was collected from the soil stockpile excavated from top of the tanks and the new tank excavation. The soil consisted of homogeneous brown silty sand with no petroleum hydrocarbon odor. Analytical results are presented in Table 3. Soil stockpile locations are shown in Figure 2.

CHEMICAL ANALYSIS

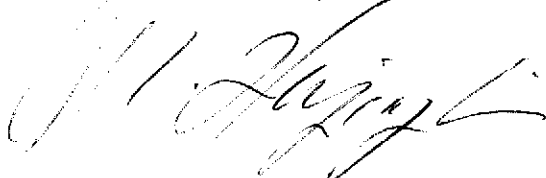
Soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPHG) using United States Environmental Protection Agency (EPA) method 8015, and for benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tertiary butyl ether (MTBE) using EPA method 8020. As requested by the ACHA's representative, the samples were also analyzed for total lead using EPA method 7420.

The sample collected from beneath the waste oil tank was analyzed for TPHG, total petroleum hydrocarbons as diesel (TPHD), and BTEX using the above analytical methods. The sample was also analyzed for volatile organic compounds (VOCs) using EPA method 8010, semivolatile organic compounds (SVOCs) using EPA method 8270, total recoverable petroleum hydrocarbons (TRPH) using EPA method 418.1, and for 5 metals (Cd, Cr, Pl, Zn, Ni) using EPA method 7000 series.

Certified analytical results and chain-of-custody documentation are presented in Appendix B.

We appreciate the opportunity of serving you on this project. Please call if you have questions.

Very truly yours,
Sierra Environmental, Inc.



Mitch Hajiaghai, REA, CAC
Principal

- Attachments:**
- Table 1 - Soil Sample Analytical Results, Fuel Tank Excavations
 - Table 2 - Soil Sample Analytical Results, Waste Oil Tank Excavation
 - Table 3 - Soil Sample Analytical Results, Piping Trench Excavation
 - Table 4 - Soil Sample Analytical Results, Soil Stockpiles
 - Figure 1 - Site Location Map
 - Figure 2 - Site Plan
 - Appendix A - Hazardous Waste Manifest for the USTs
 - Appendix B - Certified Analytical Reports and Chain-of-custody Documentation

R97-103.02VABEMH092497

cc: Mr. Don Hawang, ACHA

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS, FUEL TANK EXCAVATIONS

Sample	Date	Matrix	TPHG ¹ ppm ⁸	Lead ² ppm	B ³ ppb ⁹	T ⁴ ppb	E ⁵ ppb	X ⁶ ppb	MTBE ⁷ ppb
T1-14	9-16-97	Soil	2500	5.6	230	4000	2200	6100	ND ¹⁰
T2-14	9-16-97	Soil	28	4.1	22	92	40	180	ND
T3-14	9-16-97	Soil	2700	7.5	400	5100	2400	6500	ND
T4-14	9-16-97	Soil	1100	12	100	1000	1500	4000	ND
T5-14	9-16-97	Soil	64	6.1	48	100	110	380	ND
T6-14	9-16-97	Soil	66	7.1	48	270	120	560	ND
T8-14	9-16-97	Soil	260	7.1	200	93	310	330	ND
T9-14	9-16-97	Soil	1.1	9.3	ND	5.3	ND	8.8	ND

1. TPHG = Total petroleum hydrocarbons as gasoline
2. Lead = Analyzed as total lead
3. B = Benzene
4. T = Toluene
5. E = Ethylbenzene
6. X = Total xylenes
7. MTBE = Methyl tertiary butyl ether
8. ppm = Parts per million
9. ppb = Parts per billion
10. ND = Not Detected

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS, WASTE OIL TANK EXCAVATION

Sample	Date	Matrix	TPHG ¹ ppm ⁸	TPHD ² ppm	BTEX ³ ppm	TRPH ⁴ ppm	VOCs ⁵ ppm	SVOCs ⁶ ppm	Metals ⁷ ppm
T7-8	9-16-97	Soil	ND ⁹	ND	ND	14	ND	ND	*

1. TPHG = Total petroleum hydrocarbons as gasoline
2. TPHD = Total petroleum hydrocarbons as diesel
3. BTEX = Benzene, Toluene, Ethylbenzene, Xylenes
4. TRPH = Total Recoverable Petroleum Hydrocarbons
5. VOCs = Volatile Organic Compounds
6. SVOCs = Semivolatile Organic Compounds
7. Metals = * Cd @ 2.1 ppm, Cr @ 3.9 ppm, Pb @ 4.9 ppm, Ni @ 18 ppm, Zn @ 84 ppm
8. ppm = Parts per million
9. ND = Not Detected

TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS, PIPING TRENCHES

Sample	Date	Matrix	TPHG ¹ ppm ⁸	Lead ² ppm	B ³ ppb ⁹	T ⁴ ppb	E ⁵ ppb	X ⁶ ppb	MTBE ⁷ ppb
P1-2	9-16-97	Soil	ND ¹⁰	5.6	ND	ND	ND	ND	ND
P2-2	9-16-97	Soil	ND	11	ND	ND	ND	ND	ND
P3-2	9-16-97	Soil	ND	9.3	ND	ND	ND	ND	ND
P4-2	9-16-97	Soil	ND	5.5	ND	ND	ND	ND	ND
P5-2	9-16-97	Soil	ND	6.9	ND	ND	ND	ND	ND

1. TPHG = Total petroleum hydrocarbons as gasoline
2. Lead = Analyzed as total lead
3. B = Benzene
4. T = Toluene
5. E = Ethylbenzene
6. X = Total xylenes
7. MTBE = Methyl tertiary butyl ether
8. ppm = Parts per million
9. ppb = Parts Per Billion
10. ND = Not Detected

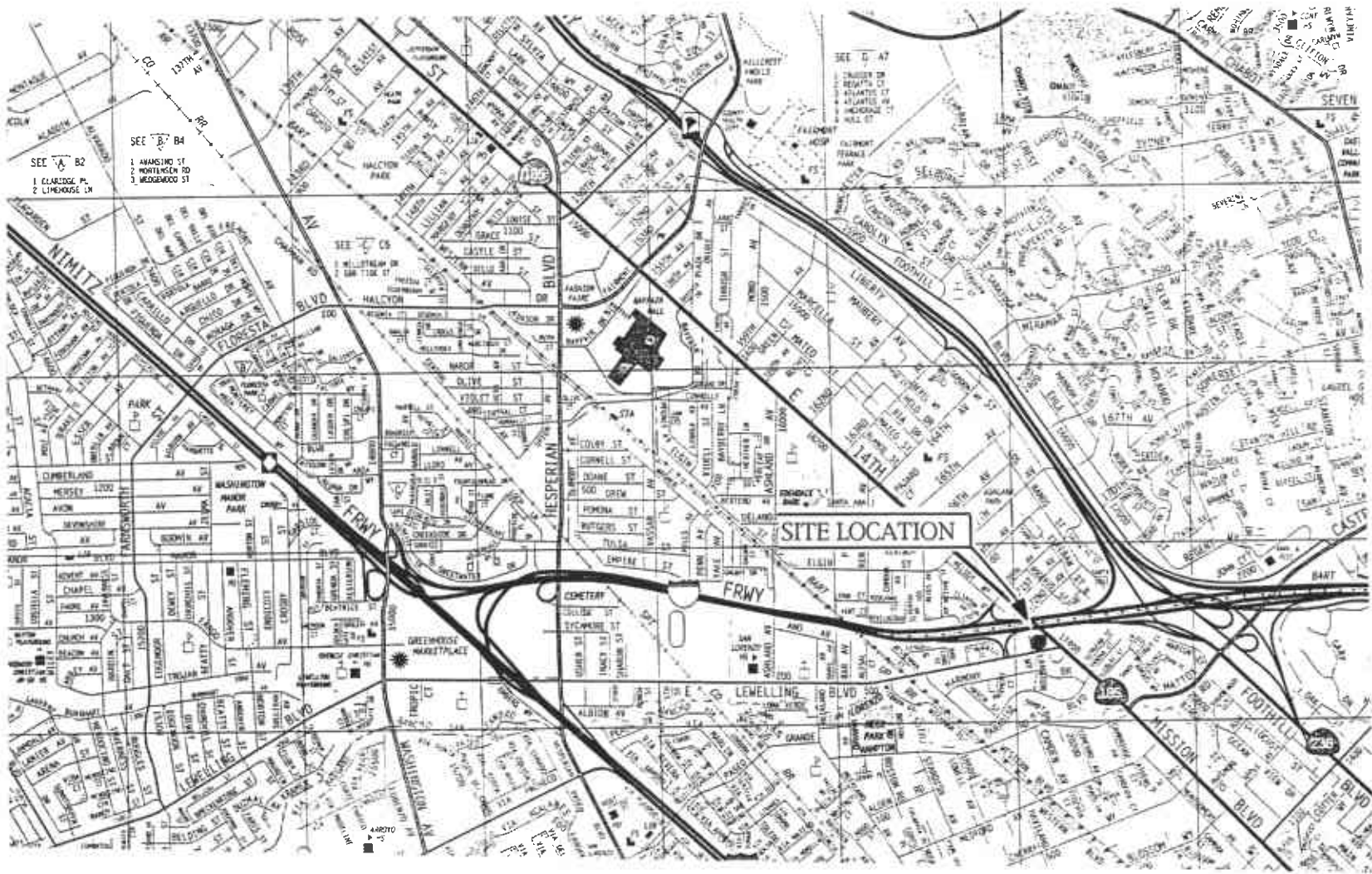
TABLE 4
SOIL SAMPLE ANALYTICAL RESULTS, SOIL STOCKPILES

Sample	Date	Matrix	TPHG ¹ ppm ⁸	Lead ² ppm	B ³ ppb ⁹	T ⁴ ppb	E ⁵ ppb	X ⁶ ppb	MTBE ⁷ ppb
ST1 A,B,C,D	9-18-97	Soil	4.5	7.9	ND ¹⁰	ND	ND	25	ND
ST2 A,B,C,D	9-18-97	Soil	ND	8.3	ND	ND	ND	ND	ND

1. TPHG = Total petroleum hydrocarbons as gasoline
2. Lead = Analyzed as total lead
3. B = Benzene
4. T = Toluene
5. E = Ethylbenzene
6. X = Total xylenes
7. MTBE = Methyl tertiary butyl ether
8. ppm = Parts per million
9. ppb = Parts Per Billion
10. ND = Not Detected

Appendix A
HAZARDOUS WASTE MANIFEST FOR THE UST

Appendix B
CERTIFIED ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY DOCUMENTATION



Source: The Thomas Guide®, 1997

SIERRA ENVIRONMENTAL, INC.

An Environmental Consulting Company
2084 Alameda Way, Suite 201, San Jose, CA 95126

SITE LOCATION MAP

Tank Closure Report

17715 Mission Blvd • Hayward • California

Figure

1

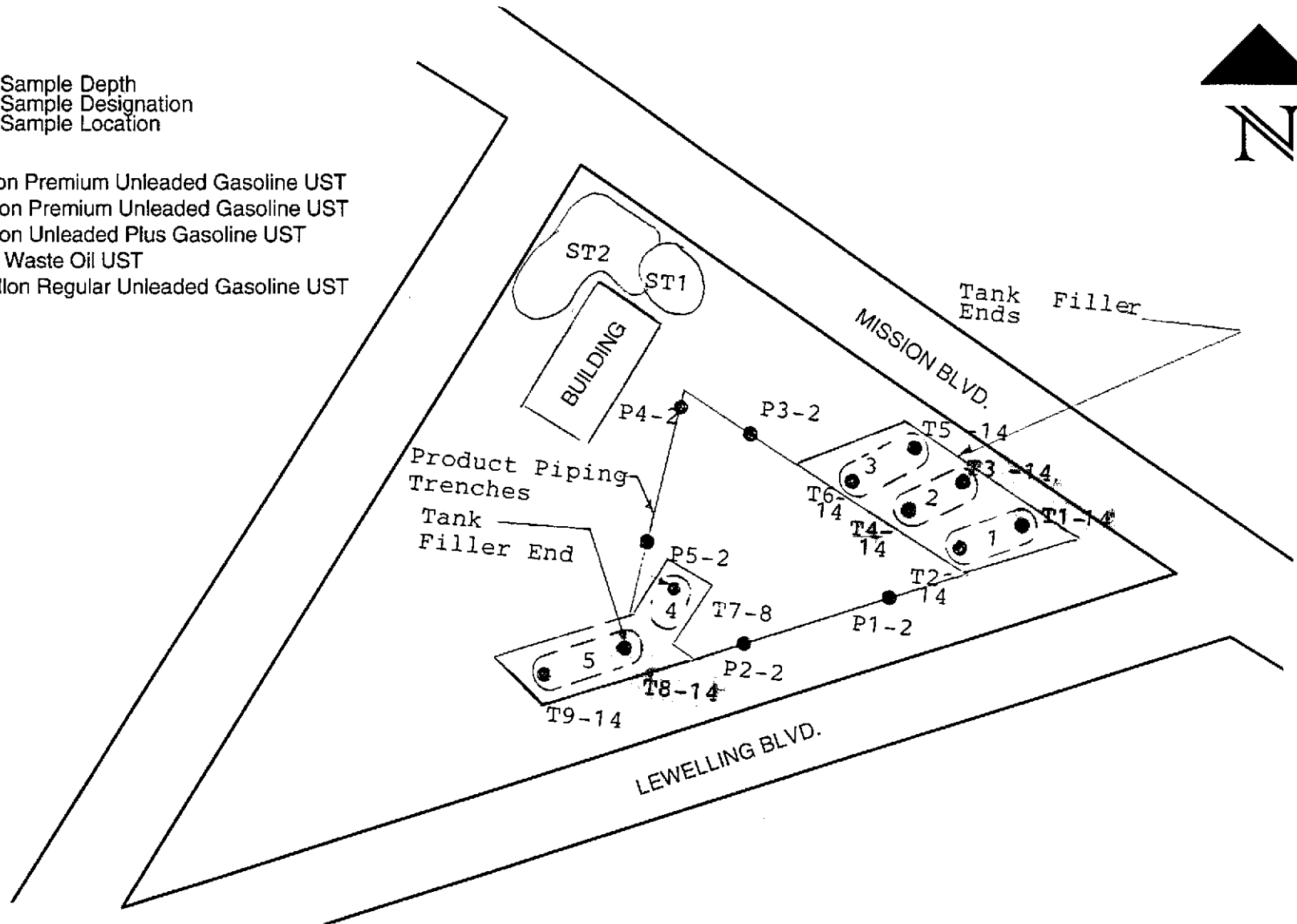
September 1997
Proj. N° 97-103.02

LEGEND

● T1-14



- 1 = 2,000-gallon Premium Unleaded Gasoline UST
- 2 = 6,000-Gallon Premium Unleaded Gasoline UST
- 3 = 6,000-Gallon Unleaded Plus Gasoline UST
- 4 = 500-gallon Waste Oil UST
- 5 = 10,000-gallon Regular Unleaded Gasoline UST



Approximate Scale: 1"=30'

SIERRA ENVIRONMENTAL, INC.

An Environmental Consulting Company
2084 Alameda Way, Suite 201, San Jose, CA 95126

SITE PLAN

UST Closure Report

17715 Mission Blvd • Hayward • California

Figure 2

September 1997
Proj. Nº 97-103.02

State of California—Environmental Protection Agency
Form Approved OMB No. 2030-0039 (Expires 9-30-96)
Please print or type. Form designed for use on site (12-plate) typewriter.

See instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAK00130590415743			Manifest Document No. 743		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address ABE Petroleum 3008 Woodside Meadows Rd Pleasant Hill CA					4. Generator's Phone (510) 481 9922		5. Transporter 1 Company Name ERICKSON Inc		6. US EPA ID Number CA100109466392							
9. Designated Facility Name and Site Address ERICKSON, Inc. 255 Park Blvd. Richmond, CA 94801					10. US EPA ID Number CA100109466392		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) NON-PCRA Hazardous Waste Solid Waste Empty Storage Tank.		12. Containers No. Type 003 TP		13. Total Quantity 099.25		14. Unit P		15. Waste Number 96415743	
15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hardhats when working around U.G.S.T.'s 24 Hr. Contact Name OR PAIC & Phone 209 944 1181																
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JACK McMillan					Signature <i>Jack McMillan</i>			Month Day Year 09 16 97								
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name					Signature			Month Day Year								
19. Discrepancy Indication Space																
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name					Signature			Month Day Year								

DO NOT WRITE BELOW THIS LINE.

State of California - Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-96)

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

Please print or type. Form designed for use on site (12-pitch) typewriter.

50415766
IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA0001305904115766		Manifest Document No. 15766		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address ARE Petroleum 3008 Woodside Meadows Pl Pleasant Hill CA		4. Generator's Phone (510) 481-9922		5. Transporter 1 Company Name Erickson Inc		6. US EPA ID Number CA0009466392		7. Transporter 2 Company Name	
9. Designated Facility Name and Site Address ERICKSON, INC. 255 Fair Blvd. Richmond, CA 94801		10. US EPA ID Number CA0009466392		11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) NON-FLAM Hazardous Waste Solid Waste Empty Storage Tank.		12. Containers No. Type 0102 TP		13. Total Quantity 13685	
								14. Unit Wt/Vol P	
								15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hardhats when working around U.G.S.T.'s 24 Hr. Contact Name, On Site & Phone 707 9441181	
								16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.	
Printed/Typed Name Morgan Y. ...		Signature		Month		Day		Year	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name David S. ...		Signature		Month		Day		Year	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month		Day		Year	
19. Discrepancy Indication Space									
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name		Signature		Month		Day		Year	

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA00021305904	Manifest Document No. 17938	2. Page 1 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address ABE Petroleum 17715 Mission Blvd, Sealton, CA		3674033			
4. Generator's Phone (408) 947-8686 94545					
5. Transporter 1 Company Name Amovision Inc		6. US EPA ID Number ND0982358483			
7. Transporter 2 Company Name		8. US EPA ID Number			
9. Designated Facility Name and Site Address BC Stocking Distributing 7300 Chevron Way Dixon, CA 95620		10. US EPA ID Number CAT48001290K 6787500			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	15. Hazardous Material Yes/No
a. Non DCR Hazardous waste liquid (oil & water)		941 77	370	G	NO
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information Wood Caves ER Guide 171 Emergency phone 800 471-2101					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name X Sessie J. Romero		Signature X [Signature]		Month Day Year 09 15 97	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Mark Maxwell		Signature Mark Maxwell		Month Day Year 09 15 97	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name					
Signature		Month Day Year			

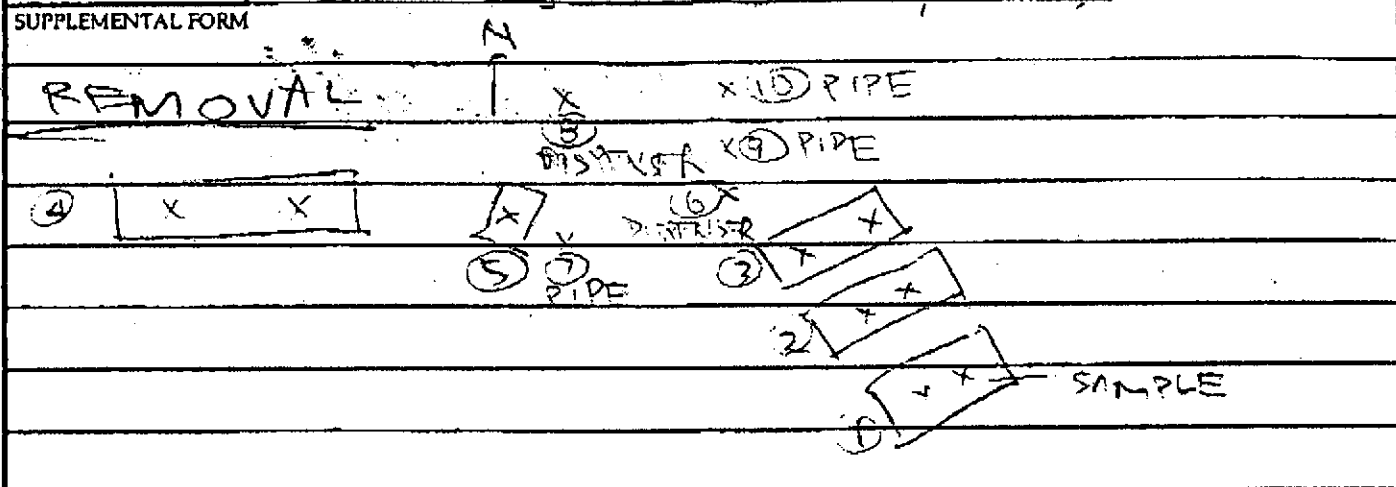
DO NOT WRITE BELOW THIS LINE.

RECEIVED SEP 16 1997

ALAMEDA COUNTY ENVIRONMENTAL HEALTH / HAZARDOUS MATERIALS DIVISION
1131 HARBOR BAY PKWY., RM. 250, ALAMEDA, CA 94502-6577 (510)567-6700 FAX (510) 337-9355

UNDERGROUND TANK
HAZARDOUS WASTE GENERATOR INSPECTION REPORT

STID #: _____ FACILITY NAME: ABE PETROLEUM PG. 1 OF 2
17715 MISSION BLVD, HAYWARD



TANKS WERE BARE STEEL EXCEPT FOR FAR WEST TANK WHICH WAS STEEL WRAPPED WITH TAR. NO HOLES FOUND IN ANY OF THESE TANKS.

PIT OF FAR WEST TANK HAD BLACK DISCOLORATION. PIT OF SMALLEST TANK (WASTE OIL) HAD SMALL AMOUNT OF ^{GRAV} BLACK DISCOLORATION ON SOUTHEAST END

① SOUTHERN MOST TANK PIT PRODUCED GASOLINE ODOR WHEN BUCKETS OF SOIL WAS COLLECTED TANK ② ALSO RESULTED IN GASOLINE ODOR WHEN BUCKETS ^{WERE} COLLECTED. TANK ③ RESULTED IN GASOLINE ODOR. TANK ④ RESULTED IN MUSTY ODOR AT WEST END. GASOLINE ODOR AT EAST END. TANK ⑤ RESULTED IN NO ODOR DETECTED.

PRINT NAME: DEAN K. GREG

INSPECTED BY: Don. H. [Signature]

SIGNATURE: [Signature]

DATE: 9/16/97

ALAMEDA COUNTY ENVIRONMENTAL HEALTH / HAZARDOUS MATERIALS DIVISION
 1131 HARBOR BAY PKWY., RM. 250, ALAMEDA, CA 94502-6577 (510)567-6700 FAX (510) 337-9355
UNDERGROUND TANK
 HAZARDOUS WASTE GENERATOR INSPECTION REPORT

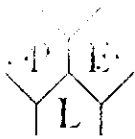
STID #:	FACILITY NAME:	PG. <u>2</u> OF <u>2</u>
	17715 MISSION BLVD, HAYWARD	

SUPPLEMENTAL FORM

DISPENSER (6) RESULTED IN NO ODOR.
 PIPE (7) RESULTED IN NO ODOR.
 DISPENSER (8) RESULTED IN NO ODOR.
 PIPE (9) RESULTED IN NO ODOR.
 PIPE (10) RESULTED IN NO ODOR.
 SAMPLES COLLECTED BY MITCH HAJIAGHA /
 SIERRA ENVIRONMENTAL SAN JOSE.

PRINT NAME: PAKAW V. GARC	INSPECTED BY: Don Hawang
SIGNATURE:	DATE: 9/16/97

Appendix B
CERTIFIED ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY DOCUMENTATION



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 19, 1997

PEL # 9709027

SIERRA ENVIRONMENTAL, INC.

Attn: Mitch Hajiaghai

Re: Two soil samples for Gasoline/BTEX with MTBE analysis.

Project name: ABE Station

Project number: 97-103.02

Date sampled: Sep 16, 1997

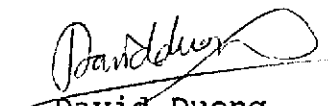
Date submitted: Sep 16, 1997

Date extracted: Sep 16-17, 1997

Date analyzed: Sep 16-17, 1997

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	MTBE (ug/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
P4-2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
P5-2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	81.9%	---	83.7%	82.3%	90.7%	94.9%
Detection limit	1.0	5.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020	8020


 David Duong
 Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 19, 1997

PEL # 9709027

SIERRA ENVIRONMENTAL, INC.

Attn: Mitch Hajiaghai

Re: Two soil samples for total Lead analysis.

Project name: ABE Station

Project number: 97-103.02

Date sampled: Sep 16, 1997

Date submitted: Sep 16, 1997

Date extracted: Sep 16-18, 1997

Date analyzed: Sep 16-18, 1997

RESULTS:

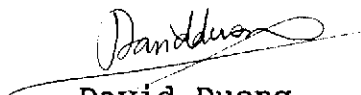
SAMPLE I.D.	Lead (mg/Kg)
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P4-2	4.5
P5-2	6.9

Blank	N.D.
-------	------

Detection limit	0.50
--------------------	------

Method of Analysis	7420
-----------------------	------


David Duong
Laboratory Director

Sierra Environmental, Inc.
An Environmental Consulting Company

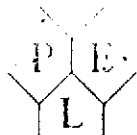
PEL # 9709027
INV # 27927

CHAIN OF CUSTODY

Project Name: ARC (Tilled) Project No: 97-103-02 Date: 9-16-97
Project Location: 17715 Mission Blvd Client: ARC Sampler: M. G. H. Harrison

Sample ID	Date Sampled	Sampling Time	Matrix	N° of Containers	Analysis Requested							Turnaround Time	
					8015/8020 TPHG & BTEX, MTBE	8015 TPHD	418.1 TRPH	8240 VOCs	8270 SVOCs	8020 MTBE BTEX	LEAD	24-hour Other _____	Normal
P4-2	9-16-97		soil	1	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	24-hour Other _____	Normal
P5-2	11		11	1	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	24-hour Other _____	Normal
												24-hour Other _____	Normal
												24-hour Other _____	Normal
												24-hour Other _____	Normal
												24-hour Other _____	Normal
Relinquished by <u>[Signature]</u>				Date	Time	Received by <u>[Signature]</u>					Date	Time	
				9-16-97	3:35						9/16/97	3:32 PM	
Relinquished by				Date	Time	Received by					Date	Time	

2084 Alameda Way • Suite 201 • San Jose • California • 95126
Phone (408) 248-3700 • Fax (408) 248-4700



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 22, 1997

PEL # 9709038

SIERRA ENVIRONMENTAL, INC.

Attn: Mitch Hajiaghai

Re: Two composited soil samples for Gasoline/BTEX with MTBE analysis.

Project name: ABE

Project location: 17715 Mission Blvd.

Project number: 97-103.02

Date sampled: Sep 18, 1997

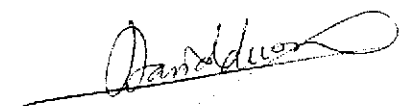
Date submitted: Sep 18, 1997

Date extracted: Sep 18-20, 1997

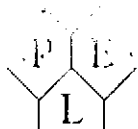
Date analyzed: Sep 18-20, 1997

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	MTBE (ug/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)
ST1-A,B,C,D	4.5	N.D.	N.D.	N.D.	N.D.	25
ST2-A,B,C,D	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	81.9%	---	93.7%	86.4%	88.9%	97.4%
Detection limit	1.0	5.0	5.0	5.0	5.0	5.0
Method of Analysis	5030 / 8015	8020	8020	8020	8020	8020



David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 22, 1997

PEL # 9709038

SIERRA ENVIRONMENTAL, INC.

Attn: Mitch Hajiaghai

Re: One composited soil sample for total Lead analysis.

Project name: ABE

Project location: 17715 Mission Blvd.

Project number: 97-103.02

Date sampled: Sep 18, 1997

Date submitted: Sep 18, 1997

Date extracted: Sep 19-22, 1997

Date analyzed: Sep 18-22, 1997

RESULTS:

SAMPLE I.D.	Lead (mg/Kg)
----------------	-----------------

ST1-A,B,C,D

7.9

ST2-A,B,C,D

8.3

Blank

N.D.

Detection
limit

1.0

Method of
Analysis

7420

David Duong
Laboratory Director

Sierra Environmental, Inc.
An Environmental Consulting Company

PEL # 9709038
INV # 27938

CHAIN OF CUSTODY

Project Name: ABE Project No: 97-103.02 Date: 9-18-97
Project Location: 17715 MISSION RD Client: ABE Sampler: Mitch Wallace

Sample ID	Date Sampled	Sampling Time	Matrix	Nº of Containers	Analysis Requested							Turnaround Time	
					8015/8020 TPHG & BTEX, MTBE	8015 TPHD	418.1 TRPH	8240 VOCs	8270 SVOCs	8020 MTBE BTEX	LEAD	24-hour Other _____	Normal
ST1	9-18-97		soil	1	X	LAB	COMPOSITE				X	24-hour Other _____	Normal
ST2			↓	↓	↓		↓	↓	↓		↓	24-hour Other _____	Normal
												24-hour Other _____	Normal
												24-hour Other _____	Normal
												24-hour Other _____	Normal
												24-hour Other _____	Normal
Relinquished by <u>[Signature]</u>				Date	Time	Received by <u>[Signature]</u>				Date	Time		
				9/18/97	4:45 PM					9/18/97	4:45 PM		
Relinquished by _____				Date	Time	Received by _____				Date	Time		

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PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 19, 1997

PEL # 9709028

SIERRA ENVIRONMENTAL, INC.

Attn: Mitch Hajiaghai

Re: Six soil samples for Gasoline/BTEX with MTBE, Diesel, and total Recoverable Hydrocarbons analyses.

Project name: ABE Station
Project number: 97-103.02

Date sampled: Sep 16, 1997
Date extracted: Sep 16-18, 1997

Date submitted: Sep 16, 1997
Date analyzed: Sep 16-18, 1997

RESULTS:

SAMPLE I.D.	MTBE (ug/Kg)	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/Kg)	T.R.P.H. (mg/Kg)
T8-14	N.D.	260	---	200	93	310	330	---
T9-14	N.D.	1.1	---	N.D.	5.3	N.D.	8.8	---
T7-8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	14
P1-2	N.D.	N.D.	---	N.D.	N.D.	N.D.	N.D.	---
P2-2	N.D.	N.D.	---	N.D.	N.D.	N.D.	N.D.	---
P3-2	N.D.	N.D.	---	N.D.	N.D.	N.D.	N.D.	---
Blank	N.D.	N.D.	---	N.D.	N.D.	N.D.	N.D.	---
Spiked Recovery	---	81.9%	93.4%	83.7%	82.3%	90.7%	94.9%	---
Detection limit	5.0	1.0	1.0	5.0	5.0	5.0	5.0	10
Method of Analysis	5030 / 8020	8015	3550 / 8015	8020	8020	8020	8020	418.1

David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 19, 1997

PEL # 9709028

SIERRS ENVIRONMENTAL, INC

Attn: Mitch Hajiaghai

Project name: ABE Station
Sample I.D.: T7-8

Project number: 97-103.02

Date Sampled: Sep 16, 1997
Date Analyzed: Sep 17-18, 1997

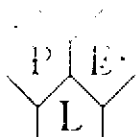
Date Submitted: Sep 16, 1997

Method of Analysis: EPA 8010

Detection limit: 5.0 ug/Kg

COMPOUND NAME	CONCENTRATION (ug/Kg)	SPIKE RECOVERY (%)
Chloromethane	N.D.	-----
Vinyl Chloride	N.D.	-----
Bromomethane	N.D.	-----
Chloroethane	N.D.	-----
Trichlorofluoromethane	N.D.	-----
1,1-Dichloroethene	N.D.	-----
Methylene Chloride	N.D.	91.7
1,2-Dichloroethene (TOTAL)	N.D.	83.2
1,1-Dichloroethane	N.D.	-----
Chloroform	N.D.	-----
1,1,1-Trichloroethane	N.D.	89.9
Carbon Tetrachloride	N.D.	-----
1,2-Dichloroethane	N.D.	-----
Trichloroethene	N.D.	102.8
1,2-Dichloropropane	N.D.	-----
Bromodichloromethane	N.D.	-----
2-Chloroethylvinylether	N.D.	-----
Trans-1,3-Dichloropropene	N.D.	-----
Cis-1,3-Dichloropropene	N.D.	-----
1,1,2-Trichloroethane	N.D.	-----
Tetrachloroethene	N.D.	81.6
Dibromochloromethane	N.D.	-----
Chlorobenzene	N.D.	-----
Bromoform	N.D.	105.3
1,1,2,2-Tetrachloroethane	N.D.	-----
1,3-Dichlorobenzene	N.D.	-----
1,4-Dichlorobenzene	N.D.	-----
1,2-Dichlorobenzene	N.D.	-----

David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 19, 1997

PEL # 9709028

SIERRA ENVIRONMENTAL, INC.

Attn: Mitch Hajiaghai

Re: Six soil samples for Cadmium, Chromium, Lead, Nickel, and Zinc analyses.

Project name: ABE Station

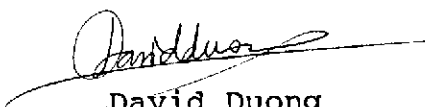
Project number: 97-103.02

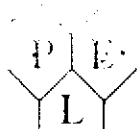
Date sampled: Sep 16, 1997
Date extracted: Sep 16-18, 1997

Date submitted: Sep 16, 1997
Date analyzed: Sep 16-18, 1997

RESULTS:

SAMPLE I.D.	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)
P1-2	---	---	5.6	---	---
P2-2	---	---	11	---	---
P3-2	---	---	9.3	---	---
T8-14	---	---	7.1	---	---
T9-14	---	---	9.3	---	---
T7-8	2.1	3.9	4.9	18	84
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection limit	0.50	1.0	0.50	1.0	1.0
Method of Analysis	7130	7190	7420	7520	7950


David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 19, 1997

PEL # 9709028
Page 01 of 02

SIERRA ENVIRONMENTAL, INC.

Attn: Mitch Hahjiaghai

Project name: ABE Station

Project number: 97-103.02

Sample I.D.: T7-8

Date Sampled: Sep 16, 1997
Date Analyzed: Sep 16-19, 1997

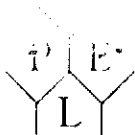
Date Submitted: Sep 16, 1997

Method of Analysis: EPA 8270

Detection limit: 300 ug/Kg

COMPOUND NAME	CONCENTRATION (ug/Kg)
---------------	---------------------------

bis(2-chloroethyl) ether	N.D.
aniline	N.D.
phenol	N.D.
2-chlorophenol	N.D.
1,3-dichlorobenzene	N.D.
1,4-dichlorobenzene	N.D.
1,2-dichlorobenzene	N.D.
benzyl alcohol	N.D.
bis-(2-chloroisopropyl	N.D.
2-methylphenol	N.D.
hexachloroethane	N.D.
n-nitroso-di-n-propylamine	N.D.
4-methylphenol	N.D.
nitrobenzene	N.D.
isophorone	N.D.
2-nitrophenol	N.D.
2,4-dimethylphenol	N.D.
bis(2-chloroethoxy)methane	N.D.
2,4-dichlorophenol	N.D.
1,2,4-trichlorobenzene	N.D.
naphthalene	N.D.
benzoic acid	N.D.
4-chloroaniline	N.D.
hexachlorobutadiene	N.D.
4-chloro-3-methylphenol	N.D.
2-methyl-naphthalene	N.D.
hexachlorocyclopentadiene	N.D.
2,4,6-trichlorophenol	N.D.
2,4,5-trichlorophenol	N.D.
2-chloronaphthalene	N.D.
2-nitroaniline	N.D.
acenaphthylene	N.D.
dimethylphthlate	N.D.
2,6-dinitrotoluene	N.D.



PRIORITY ENVIRONMENTAL LABS

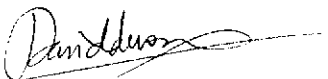
Precision Environmental Analytical Laboratory

PEL # 9709028
Page 02 of 02

SAMPLE I.D. T7-8

COMPOUND NAME
CONCENTRATION
(ug/Kg)

acenaphthylene	N.D.
3-nitroaniline	N.D.
2,4-dinitrophenol	N.D.
dibenzofuran	N.D.
2,4-dinitrotoluene	N.D.
4-nitrophenol	N.D.
fluorene	N.D.
4-chlorophenyl-phenyl ether	N.D.
diethylphthlate	N.D.
4-nitroaniline	N.D.
4,6-dinitro-2-methylphenol	N.D.
n-nitrosodiphenylamine	N.D.
1,2-diphenylhydrazine	N.D.
4-bromo-phenyl-phenyl ether	N.D.
hexachlorobenzene	N.D.
pentachlorophenol	N.D.
phenanthrene	N.D.
anthracene	N.D.
di-n-butylphthalate	N.D.
fluoranthene	N.D.
benzidine	N.D.
pyrene	N.D.
butylbenzylphthalate	N.D.
3,3'-dichlorobenzidine	N.D.
benzo[a]anthracene	N.D.
chrysene	N.D.
bis(2-ethylhexyl)phthalate	N.D.
di-n-octylphthalate	N.D.
benzo(b,k)fluoranthene	N.D.
benzo[a]pyrene	N.D.
indeno[1,2,3-cd]pyrene	N.D.
dibenzo[a,h]anthracene	N.D.
benzo[g,h,i]perylene	N.D.


David Duong
Laboratory Director

PEL # 9709028
 INV # 27928

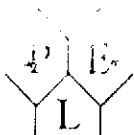
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CHAIN OF CUSTODY

Project Name: ARE STATION Project No: 97-103-02 Date: 9-16-97
 Project Location: 1775 MISSION BLVD Client: ABE Sampler: Mitch Harrington

Sample ID	Date Sampled	Sampling Time	Matrix	N° of Containers	Analysis Requested						Turnaround Time		
					8015/8020 TPHG & BTEX, MTBE	8015 TPHD	418.1 TRPH	8240 VOCs	8270 SVOCs	8240 8020 MTBE BTEX LEAD	5 metals	24-hour Other	Normal
T7-2	9-16-97		Soil	1	X	X	X	X	X	X	X	24-hour Other	Normal
T8-14				1	X					X		24-hour Other	Normal
T9-14				1								24-hour Other	Normal
P1-2				1								24-hour Other	Normal
P2-2				1								24-hour Other	Normal
P3-2	✓		✓	✓	✓					✓		24-hour Other	Normal
Relinquished by: <u>[Signature]</u>				Date	Time	Received by: <u>[Signature]</u>				Date	Time		
				29-10-97	2:55					09/16/97	2:00		
Relinquished by				Date	Time	Received by				Date	Time		

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PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 19, 1997

PEL # 9709026

SIERRA ENVIRONMENTAL, INC.

Attn: Mitch Hajiaghai

Re: Six soil samples for Gasoline/BTEX with MTBE analyses.

Project name: ABE Station

Project number: 97-103.02

Date sampled: Sep 16, 1997

Date submitted: Sep 16, 1997

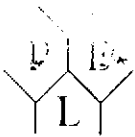
Date extracted: Sep 16-18, 1997

Date analyzed: Sep 16-18, 1997

RESULTS:

SAMPLE I.D.	MTBE (ug/Kg)	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
T1-14	N.D.	2300	230	4800	2200	6100
T2-14	N.D.	28	22	92	40	180
T3-14	N.D.	2700	460	3100	2400	6500
T4-14	N.D.	1100	100	1900	1500	4800
T5-14	N.D.	64	48	100	110	380
T6-14	N.D.	66	48	270	120	560
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked						
Recovery	---	81.9%	83.7%	82.3%	90.7%	94.9%
Detection limit	5.0	1.0	5.0	5.0	5.0	5.0
Method of Analysis	8020	5030/ 8015	8020	8020	8020	8020

David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

September 19, 1997

PEL # 9709026

SIERRA ENVIRONMENTAL, INC.

Attn: Mitch Hajiaghai

Re: Six soil samples for total Lead analysis.

Project name: ABE Station

Project number: 97-103.02

Date sampled: Sep 16, 1997

Date submitted: Sep 16, 1997

Date extracted: Sep 16-18, 1997

Date analyzed: Sep 16-18, 1997

RESULTS:

SAMPLE I.D.	Lead (mg/Kg)
T1-14	5.6
T2-14	4.1
T3-14	7.5
T4-14	12
T5-14	6.1
T6-14	7.1
Blank	N.D.
Detection limit	0.50
Method of Analysis	7420

David Duong
Laboratory Director