

REPORT ON  
LIMITED SUBSURFACE ENVIRONMENTAL INVESTIGATION  
RELATED TO UNDERGROUND TANK REMOVAL  
AND  
SOIL DISPOSAL

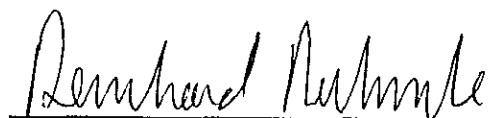
SITE LOCATION:

563 Julie Ann Way  
Oakland, CA

Prepared For:

Yandell Trucking  
P.O. Box 818  
Oakland, CA 94604

Submitted by



Reinhard Ruhmke  
Project Geologist

MEC Project No. 91-0014 .

Miller Environmental Company  
385 Pittsburg Avenue  
Richmond, CA 94801  
510/233-9068

January 23, 1992

## INTRODUCTION

The site, owned by Yandell Trucking, is located at 563 Julie Ann Way in the City of Oakland, California (See Site Vicinity Map, Figure 1). Six underground storage tanks (USTs) were removed from the property on August 8, 1991. Due to EPA regulations, which state that all USTs must be double contained with a cathodic protection system by 1998, Yandell Trucking decided to remove the existing USTs and replace them with new tanks. However, due to soil and ground water contamination detected following tank removal, the company's plans have been changed. We understand that Yandell has now decided to refuel their trucks commercially offsite and will not replace the former UST's.

## TANK HISTORY AND BACKGROUND

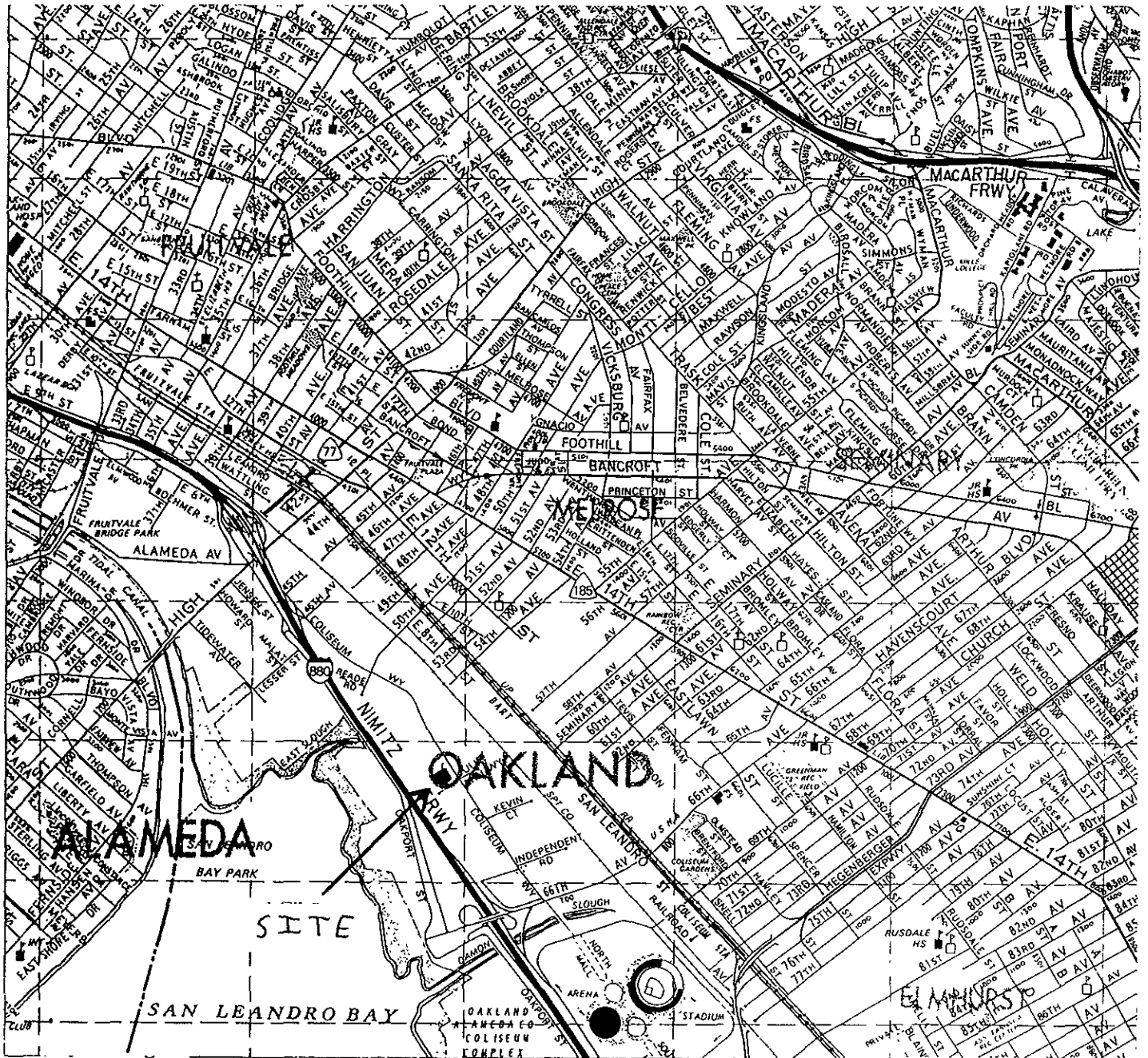
Three 6,000 gallon capacity tanks, one 5,000 gallon tank, one 10,000 gallon tank and one double compartment (3,000 gallon for each compartment) tank were installed on the property in November, 1972. The UST's were single-walled carbon steel tanks, wrapped with an epoxy lining and had cathodic protection. The tanks were manufactured by Perkins Welding and were deemed appropriate for storage of fuels. Installation was accomplished using a sand backfill. No soil barriers or soil sealants were used during installation of the UST's, nor were the tanks placed in a concrete vault.

The tanks stored gasoline and diesel fuel, which were used as fuel for Yandell trucks. We understand that no other fuels or waste oil were ever stored in the tanks.

Product in the tanks was measured by 'sticking' each tank and the inventory reconciled on a monthly basis. No automatic continuous inventory systems or external lead devices (i.e. vadose well) were in-place. The tanks were tested annually by Testing and Technology (TAT) of Novato, CA. and were reported to be 'tite' each year. We understand that the last tank test was performed in December, 1990. We further understand that no loss of product was detected during tank testing or monthly reconciliation and that no repairs were recommended for the tanks or product piping. However, repairs to the product pump were made to correct electrical problems associated with the pump.

The data submitted above was provided to Miller Environmental Company (MEC) by Mr. John Yandell, owner of Yandell Trucking, and R.J. Miller Company, tank removal contractor.

FIGURE 1  
SITE LOCATION MAP



## TANK REMOVAL OPERATIONS

On August 8, 1991, a representative of Miller Environmental Company (MEC) was present at the site to observe the removal of the six USTs and stockpiling of the excavated soil. Tank removal operations were performed by R.J. Miller Company of Richmond, California. Before removal of the USTs, the contents of each tank were pumped by a tanker truck and removed from the site by a licensed waste hauler. Dry ice was placed in the tanks to displace any explosive vapors. Each tank was tested for Oxygen and Lower Explosion Level (LEL).

Soil removed during tank removal operations was placed on and covered with visquene. The soil was stockpiled on-site, near and surrounding the tank cavity. All product, vent and vapor lines were removed during this phase.

Following removal of each UST, the removed tank was visually inspected for any obvious holes and/or corrosion. The outer surface of each tank was inspected for signs of leakage, through-going holes, pitting or areas of weakness. The sides and ends of each tank were scraped; particular attention was given to seams, vents and points directly below the fill ports. Upon inspection the six USTs appeared to be intact. No visible holes, pitting, or areas of weakness were observed.

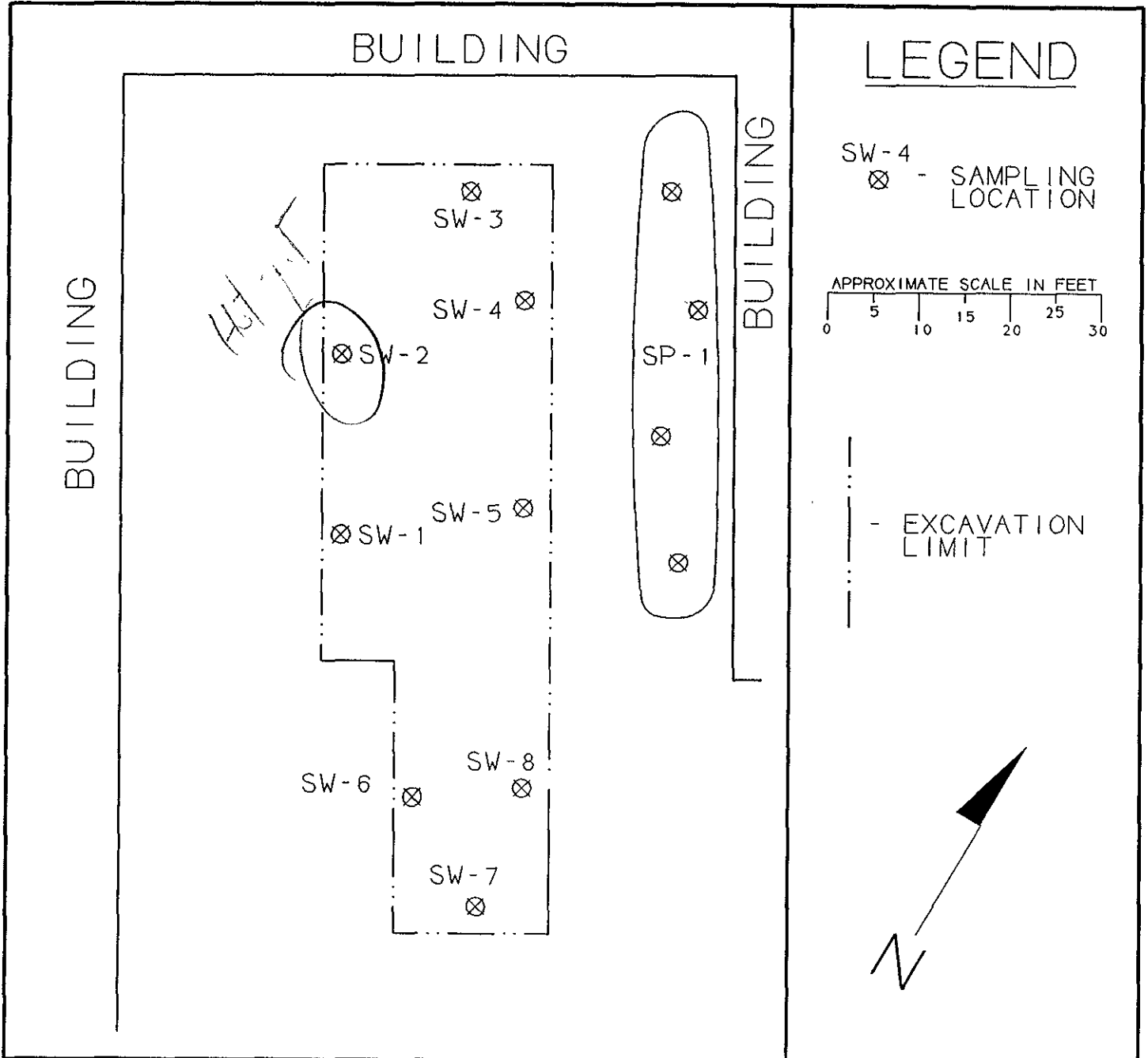
The tanks and the residual product inside the tanks were manifested and disposed of properly by H & H Environmental Services located in San Francisco, California. Copies of the Hazardous Waste Manifests for the tanks and its contents are located in Appendix A.

### Soil Sampling

On August 8, MEC under the observation of a representative from Alameda County Health Care Services Agency (ACHCSA), collected eight soil samples (SW-1 thru SW-8) from the sidewalls of the excavation using a backhoe bucket. Soil sample locations are shown on Figure 2. Samples could not be collected from the native soil, due to the type of fill material present in the subsurface. The fill material (not including the tank backfill material) consisted of railroad ties, telephone poles, concrete slabs, bricks, and other assorted debris. It appeared that sandy clay soil was used to fill in the voids before the tank backfill material was added.

Soil samples were not collected from beneath the former UST's following removal, due to ground water in the excavation and the nature of the above-referenced fill material. In addition to the soil samples collected from the sidewalls, four discrete soil samples were collected from the spoils

# FIGURE 2 SOIL SAMPLE LOCATIONS



YANDELL TRUCKING  
563 JULIE ANN WAY, OAKLAND, CA  
BY MILLER ENVIRONMENTAL COMPANY  
RICHMOND, CA

MEC # 91-0014 01/23/92

pile generated during tank removal operations. These four discrete samples were composited into one sample (SP-1) at the laboratory. M/S

For ease of reference, a summary of laboratory results is provided in Table 1.

**TABLE 1**  
**Laboratory Results for Tank Removal**  
(Collected August 8, 1991)

Samp #	TPH Diesel	TPH Gas	B	T	E	X
SW-1	1400	720	ND	6	14	34
SW-2	1200	1400	12	6	11	16
SW-3	87	ND	ND	ND	ND	ND
SW-4	550	1200	ND	ND	7	25
SW-5	1100	600	ND	ND	5	17
SW-6	320	570	4	8	8	16
SW-7	23	1.9	0.23	0.03	ND	0.03
SW-8	12	ND	ND	ND	ND	ND
SP-1	9.2	140	ND	ND	0.9	3.1

- a) Sample results expressed in milligrams per kilogram (mg/kg) which is equivalent to parts per million (ppm).
- b) ND = Not detected
- c) NA = Not analyzed

SP-1 was also analyzed for Reactive Cyanide-Sulfide and pH. Laboratory results indicate that the reactive agents were not detected and the pH of the soil was 7.95.

Soil samples were collected in clean 2" X 6" brass tubes, sealed with teflon tape and polyurethane caps and placed on ice for transport to the State certified laboratory.

Copies of the laboratory reports and chain-of-custody form are located in Appendix B.

Ground water was encountered in the former tank pit at approximately 8 feet below grade; floating product was also observed in the initial excavation. No water samples were collected at that time due to the presence of free product on the ground water. The excavation was pumped at a later date and the water sampled.

Soil Disposal

The stockpiled soil was allowed to aerate for approximately 1-1/2 months following tank removal activities. Two composite samples (SP-2 and SP-1) were collected during the aeration process. SP-1 collected September 19, 1991 indicated that aeration was complete and that the soil could be

disposed of properly at a Landfill licensed to accept soil contaminated with low levels of hydrocarbons. For ease of reference, a summary of laboratory results for the stockpiled soil is provided in Table 2.

**TABLE 2**  
**Laboratory Results for the Spoils File**  
(Collected September 19, 1991)

<u>Samp #</u>	<u>TPH Diesel</u>	<u>TPH Gas</u>	<u>B</u>	<u>T</u>	<u>E</u>	<u>X</u>
SP-2	NA	360	NA	NA	NA	NA
SP-3	NA	3	0.005	0.007	0.004	0.017

- a) Sample results expressed in milligrams per kilogram (mg/kg) which is equivalent to parts per million (ppm).
- b) ND = Not detected
- c) NA = Not analyzed

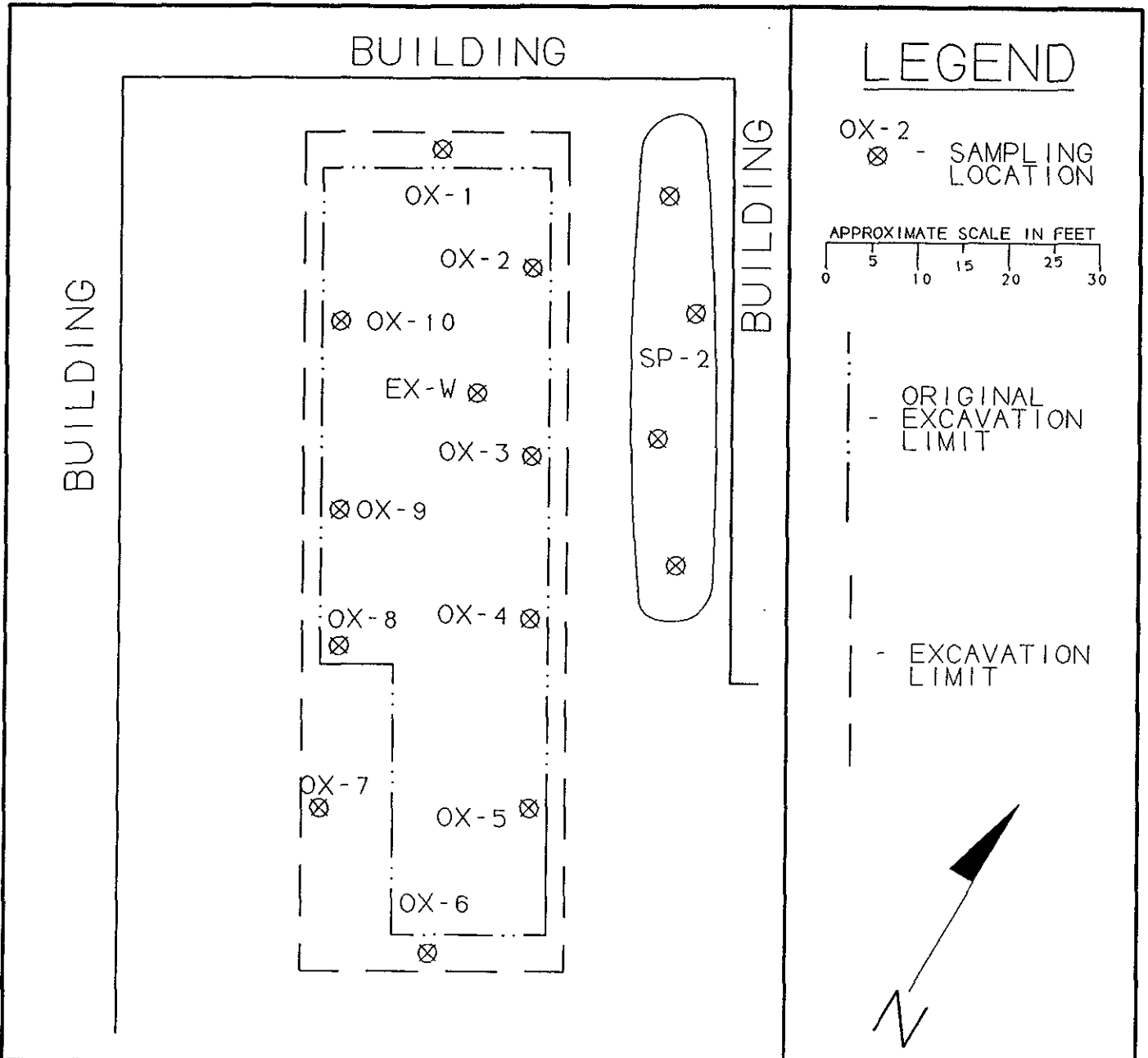
After aeration was complete, approximately 90 cubic yards of contaminated soil generated during tank removal operations was transported to BFI landfill in Livermore. Copies of the non-hazardous waste manifests are located in Appendix C.

Due to the high levels (maximum 1400 ppm TPH gas and diesel) of contamination found in the sidewall samples, additional lateral excavation of the former tank pit was recommended by MEC.

**OVEREXCAVATION OF FORMER TANK PIT**

On October 8 and 9, 1991, personnel from MEC returned to the site to supervise the overexcavation of the tank pit and stockpiling of contaminated soil. The excavation was enlarged approximately four feet on all sides. The excavated soil was stockpiled on and covered with visquene and left onsite. Ten soil samples (OX-1 thru OX-10) were collected from the sidewalls of the excavation. However, homogeneous samples were difficult to obtain due to the heterogeneous nature of the subsurface fill at the site (previously described under 'Soil Sampling', Page 2, of this report). A summary of laboratory results for samples collected following over-excavation are summarized in Table 3, Page 5. Soil sample locations are shown on Figure 3.

# FIGURE 3 SOIL SAMPLE LOCATIONS AFTER OVER-EXCAVATION



YANDELL TRUCKING  
563 JULIE ANN WAY, OAKLAND, CA  
BY MILLER ENVIRONMENTAL COMPANY  
RICHMOND, CA

MEC # 91-0014 01/23/92



**TABLE 3**  
Laboratory Results following Over-excavation  
 (Collected October 9, 1991)

*highest level*

Samp #	TPH Diesel	TPH MTR/OIL	TPH Gas	B	T	E	X
OX-1	ND	400	31	56	ND	ND	ND
OX-2	ND	320	ND	ND	ND	ND	ND
OX-3	ND	110	ND	ND	ND	ND	ND
OX-4	ND	360	ND	ND	ND	ND	ND
OX-5	ND	640	ND	ND	ND	ND	ND
OX-6	ND	740	ND	ND	ND	ND	ND
OX-7	ND	190	ND	ND	ND	ND	ND
OX-8	ND	190	ND	ND	ND	ND	ND
OX-9	ND	260	1.2	15	ND	ND	ND
OX-10	230	370	ND	ND	ND	ND	ND
SP-2	260	140	230	ND	ND	ND	1000

- a) TPH results expressed in milligrams per kilogram (mg/kg) which is equivalent to parts per million (ppm). BTEX results expressed in micrograms per kilogram (ug/kg) which is equivalent to parts per billion (ppb).
- b) ND = Not detected
- c) NA = Not analyzed
- d) SP-2 was a lab composite of four discrete soil samples collected from the spoils pile generated during over-excavation activities.

SP-2 was also analyzed for Total Oil and Grease (TOG) and CAM-17 metals. High levels of TOG (2,600 ppm) were detected in the spoils pile.

A sample of the product found on the water table was also analyzed for creosote and diesel. Based on laboratory results, the product is diesel fuel. No creosote was detected. Copies of all laboratory reports and chain-of-custody forms are located in Appendix B.

Water sampling

On November 25, 1991 MEC personnel again returned to the site to supervise the pumping and removal of approximately 5,000 gallons of contaminated water from the excavation. Following removal of the contaminated water, ground water was allowed to recharge into the excavation and a water sample was collected. The contaminated water was removed and properly disposed of by H & H Environmental Services. A copy of the hazardous waste manifest is enclosed in Appendix A.

The water sample was analyzed for TOG, TPH/diesel and TPH/gasoline and BTEX. A copy of the laboratory results is enclosed in the Appendix B. Table 4, Page 6 shows the laboratory results.

TABLE 4  
Water Sample Results  
 (Collected November 25, 1991)

49000 ppm  
 MCGS

Samp #	TOG	TPH Diesel	TPH MTR/OIL	TPH Gas	B	T	E	X
EX-W	630	49	ND	190	ND	ND	ND	ND

- a) TOG, TPH/diesel, TPH/gasoline results expressed in milligrams per Liter (mg/L) which is equivalent to parts per million (ppm).
- b) BTEX results expressed in micrograms per Liter (ug/L) which is equivalent to parts per billion (ppb).
- c) ND = Not detected

Soil disposal

Approximately 335 tons of contaminated soil (designated as non-hazardous waste) was removed from the site and properly disposed of at Valley Rock Landfill in Orland, CA. A copy of the Certificate of Remediation is included in Appendix C.

**DISCUSSION**

High levels of diesel contamination were found in the sidewall samples taken from the excavation following removal of six USTs. After overexcavation of the former tank cavity, no diesel contamination was detected with the exception of one soil sample (OX-10). This sample contained medium levels of diesel contamination (< 300 ppm). However, all soil samples collected after over-excavation contained Motor Oil contamination. After discussions with the laboratory, it was determined that motor oil appears at different times and ranges on the chromatograph than diesel fuel. Therefore, the difference between motor oil and diesel fuel should be readily identifiable. In addition to motor oil contamination, high boiling point hydrocarbon contamination (Total Oil and Grease) was detected in the spoils pile.

A sample of the product removed from the tanks was analyzed as being diesel fuel. Soil samples from the original excavation were not examined for Motor/Oil or TOG. The water sample collected from the recharge ground water after pumping (11/25/91) contained high levels of hydrocarbon contamination but no BTEX. The major contaminants detected were Oil and Grease and gasoline with diesel also identified.

**CONCLUSIONS**

It appears that diesel contamination found in the sub-surface soil following tank removal was effectively removed by overexcavation. With the exception of sample (OX-10), the

soil samples indicated no detectable levels of diesel contamination. Sample OX-10 contained 230 ppm TPH as diesel.

However, diesel contamination did appear in water samples collected from recharged ground water. In addition to diesel, TOG and gasoline contamination were also detected at levels greater than the diesel. The source of the motor oil and TOG contamination is unknown at this time. Although the railroad ties, telephone poles and other debris found in the excavation may indicate previous use of the site as a possible contaminant source.

#### RECOMMENDATIONS

Further investigation may be necessary at this site. Ground water monitoring wells should be installed to determine ground water flow direction and lateral and vertical extent of ground water hydrocarbon contamination. Moreover, the unknown nature of the subsurface suggests that a limited site history investigation and review of fuel leak cases in the immediate area by MEC would be useful. This preliminary background research should be completed prior to initiating any additional subsurface work at 563 Julie Ann Way. The background information would be helpful in determining whether previous use and/or an off-site source may be impacting the Yandell property.

An unauthorized release form has been filled out and is included with this report.

#### WARRANTY

Miller Environmental Company warrants all services to be of high professional quality. No other warranty, either expressed or implied, as to the quality or result to be achieved as a consequence of this work, is made.

This report provides an assessment of the potential problems noted and represents professional opinion. All reports and recommendations are based upon conditions and information made available to Miller Environmental Company to date. Liability is not assumed in cases where the client or other parties involved have failed to disclose known environmental information. Reports do not purport to identify all problems or to indicate that other hazards do not exist. No responsibility is assumed for the control or correction of conditions or practices existing at the premises of the client. Data available from future subsurface exploration may modify the conclusions and recommendations of this report.

**APPENDIX A**

**Hazardous Waste Manifests**



90546533  
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>C A C 0 0 0 6 2 3 4 8 8</b>		Manifest Document No. <b>0 0 0 0 2</b>		2. Page 1 of 1		information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <b>MR. JOHN YANDELL 536 Julie Ann Way, Oakland, Ca. 94621</b>						A. State Manifest Document Number <b>90546533</b>							
4. Generator's Phone <b>(415) 536-2100</b>						B. State Generator's ID							
5. Transporter 1 Company Name <b>H &amp; H Ship Service Company</b>			6. US EPA ID Number <b>C A D 0 0 4 7 7 1 1 6 8</b>			C. State Transporter's ID <b>200506</b>		D. Transporter's Phone <b>(415) 543-4835</b>					
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone					
9. Designated Facility Name and Site Address <b>H &amp; H Ship Service Company 220 China Basin Street San Francisco, CA 94107</b>						10. US EPA ID Number <b>C A D 0 0 4 7 7 1 1 6 8</b>							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit			
a. <b>OIL AND WATER NON-RCRA HAZARDOUS WASTE LIQUID</b> b. c. d.						No.		Type		Wt/Vol			
						0		1 T T		91000 g		State No. <b>134</b>	
												EPA/Other	
												State	
												EPA/Other	
J. Additional Descriptions for Materials Listed Above <b>FUEL, OIL AND WATER PROFILE #A1133</b>						K. Handling Codes for Wastes Listed Above a. <b>01</b>							
15. Special Handling Instructions and Additional Information <b>JOB #8069 24 Hr. Emergency Contact: H &amp; H #(415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR</b>						JOB SITE: <b>YANDELL TRUCK-AWAY 536 Julie Ann Way Oakland, California</b>							
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 <b>Dawn J Reinhold for Yandell Truckaway</b>				Signature <i>Dawn J Reinhold</i>		Month Day Year <b>08 07 91</b>							
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name <b>NORMAN L. BERG</b>		Signature <i>Norman L Berg</i>		Month Day Year <b>08 07 91</b>					
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

(Type in typewriter).

**UNIFORM HAZARDOUS  
 WASTE MANIFEST**

Generator's US EPA ID No. **C A C 0 0 0 6 2 3 4 8 8 0 0 0 0 3**  
 Manifest Document No. **0 1 0 1 0 1 3**

2. Page 1 of 1  
 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address  
**MR. JOHN YANDELL**  
**536 Julie Ann Way, Oakland, Ca. 94621**

4. Generator's Phone **(415) 536-2100**

A. State Manifest Document Number  
**90546538**

5. Transporter 1 Company Name  
**H & H Ship Service Company**

6. US EPA ID Number  
**C A D 0 0 4 7 7 1 1 6 8**

B. State Generator's ID  
 \_\_\_\_\_

C. State Transporter's ID  
**200546**

D. Transporter's Phone  
**(415) 543-4835**

7. Transporter 2 Company Name  
 \_\_\_\_\_

8. US EPA ID Number  
 \_\_\_\_\_

E. State Transporter's ID  
 \_\_\_\_\_

F. Transporter's Phone  
 \_\_\_\_\_

9. Designated Facility Name and Site Address  
**H & H Ship Service Company**  
**220 China Basin Street**  
**San Francisco, CA 94107**

10. US EPA ID Number  
**C A D 0 0 4 7 7 1 1 6 8**

G. State Facility's ID  
 \_\_\_\_\_

H. Facility's Phone  
**(415) 543-4835**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	No.	Type			
a. RESIDUE DIESEL TANK NON-RCRA HAZARIXOUS WASTE SOLID	0	D D T P	1	D	State 512 EPA/Other _____
b. RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE SOLID	0	D D T P	5	D	State 512 EPA/Other _____
c. _____	_____	_____	_____	_____	State _____ EPA/Other _____
d. _____	_____	_____	_____	_____	State _____ EPA/Other _____

J. Additional Descriptions for Materials Listed Above  
**EMPTY 10,000 gallon and 5,000 gallon tanks last containing diesel and gasoline. Tanks inerted with dry ice for transport. PROFILE #A1134**

K. Handling Codes for Wastes Listed Above  
 a. **01**  
 b. **01**  
 c. \_\_\_\_\_  
 d. \_\_\_\_\_

15. Special Handling Instructions and Additional Information  
**JOB #8078**  
**24 Hr. Emergency Contact: H & H #(415) 543-4835**  
**APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR**  
**JOB SITE: YANDELL TRUCK-AWAY**  
**536 Julie Ann Way**  
**Oakland, California**

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 \_\_\_\_\_ Signature \_\_\_\_\_ Month Day Year \_\_\_\_\_

17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name **EDWARD G. MILANS** 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 \_\_\_\_\_

90546538  
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550  
 GENERATOR  
 TRANSPORTER  
 FACILITY

Do Not Write Below This Line

ALLOW: GENERATOR RETAIN

Please print or type. Form designed for use on elite

(Ith typewriter).

90546540  
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		Generator's US EPA ID No. CA C 0 0 0 6 2 3 4 8 8		Manifest Document No. 0 0 0 0 5		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.							
3. Generator's Name and Mailing Address <b>MR. JOHN YANDELL 536 Julie Ann Way, Oakland, Ca. 94621</b>						A. State Manifest Document Number <b>90546540</b>									
4. Generator's Phone (415) 536-2100						B. State Generator's ID									
5. Transporter 1 Company Name <b>H &amp; H Ship Service Company</b>			6. US EPA ID Number CA D 0 0 4 7 7 1 1 6 8			C. State Transporter's ID <b>200514</b>		D. Transporter's Phone <b>(415) 543-4835</b>							
7. Transporter 2 Company Name						8. US EPA ID Number		E. State Transporter's ID							
9. Designated Facility Name and Site Address <b>H &amp; H Ship Service Company 220 China Basin Street San Francisco, CA 94107</b>						10. US EPA ID Number CA D 0 0 4 7 7 1 1 6 8		G. State Facility's ID <b>CA D 0 0 4 7 7 1 1 6 8</b>							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity							
a. <b>RESIDUE DIESEL TANKS NON-RCRA HAZARDOUS WASTE SOLID</b> b. c. d.						No.		Unit		I. Waste No.					
						0 0 2		T P		0 6 0 0 0		P		State 512	
														EPA/Other	
														State	
														EPA/Other	
J. Additional Descriptions for Materials Listed Above <b>EMPTY 6,000 gallon tanks last containing diesel. Tanks inerted with dry ice for transport.  PROFILE #A1134</b>						K. Handling Codes for Wastes Listed Above a. 01 b. c. d.									
15. Special Handling Instructions and Additional Information <b>JOB #8078 24 Hr. Emergency Contact: H &amp; H # (415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR</b>						JOB SITE: <b>YANDELL TRUCK-AWAY 536 Julie Ann Way Oakland, California</b>									
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 Signature Month Day Year <b>0 8 0 8 9 1</b>									
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name Signature Month Day Year <b>LANCE D. SMITH</b> <b>0 8 0 8 9 1</b>									
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

OW: GENERATOR RETAINS



Please print or type. Form designed for use on elite

(dot matrix typewriter).

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		Generator's US EPA ID No. C A C 0 0 0 6 2 3 4 8 8 0 0 0 0 4		Manifest Document No. 4		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address <b>MR. JOHN YANDRELL</b> 536 Julie Ann Way, Oakland, Ca. 94621						A. State Manifest Document Number <b>90546539</b>					
4. Generator's Phone (415) 536-2100						B. State Generator's ID					
5. Transporter 1 Company Name <b>H &amp; H Ship Service Company</b>			6. US EPA ID Number C A D 0 0 4 7 7 1 1 6 8			C. State Transporter's ID <b>200558</b>		D. Transporter's Phone (415) 543-4835			
7. Transporter 2 Company Name			8. US EPA ID Number			E. State Transporter's ID		F. Transporter's Phone			
9. Designated Facility Name and Site Address <b>H &amp; H Ship Service Company</b> 220 China Basin Street San Francisco, CA 94107			10. US EPA ID Number C A D 0 0 4 7 7 1 1 6 8			G. State Facility's ID C A D 0 0 4 7 7 1 1 6 8		H. Facility's Phone (415) 543-4835			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total Quantity		14. Unit Wt/Vol	15. Waste No.	
a. <b>RESIDUE DIESEL TANK</b> <b>NON-RCRA HAZARDOUS WASTE SOLID</b>					0 0 1 T P 0 6 0 0 0		P		State <b>512</b> EPA/Other		
b. <b>RESIDUE GASOLINE TANK</b> <b>NON-RCRA HAZARDOUS WASTE SOLID</b>					0 0 1 T P 0 6 0 0 0		P		State <b>512</b> EPA/Other		
c.									State EPA/Other		
d.									State EPA/Other		
J. Additional Descriptions for Materials Listed Above <b>EMPTY 6,000 gallon tanks last containing diesel and gasoline. Tanks inerted with dry ice for transport. PROFILE #A1134</b>						K. Handling Codes for Wastes Listed Above a. <b>01</b>		b. <b>901</b>		c.	d.
15. Special Handling Instructions and Additional Information <b>JOB #8078</b> <b>24 Hr. Emergency Contact: H &amp; H # (415) 543-4835</b> <b>APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR</b> <b>JOB SITE: YANDELL TRUCK-AWAY</b> <b>536 Julie Ann Way</b> <b>Oakland, California</b>											
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					Signature			Month Day Year 0 8 0 8 9 1			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name <b>JOSE J. VORENO</b>					Signature			Month Day Year 0 8 0 8 9 1			
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			

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

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

W: GENERATOR RETAINS

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

91507434  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550  
 GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address MR JOHN W. YANDELL 516 Julie Ann Way, Oakland, CA 94621		4. Generator's Phone (510) 536-2100		A. State Manifest Document Number <b>91507434</b>	
5. Transporter 1 Company Name H & H Ship Service Company		6. US EPA ID Number		C. State Transporter's ID 208503	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (415) 543-4834	
9. Designated Facility Name and Site Address H & H Ship Service Company 200 China Basin Street San Francisco, CA 94107		10. US EPA ID Number		E. State Transporter's ID	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit	15. Waste Number
a. OIL AND WATER NON-RCRA HAZARDOUS WASTE LIQUID		No. Type	Quantity	W/Vol	State EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other
J. Additional Descriptions for Materials Listed Above FUEL, OIL AND WATER PROFILE #A1133		K. Handling Codes for Wastes Listed Above			
		a.		b.	
		c.		d.	
15. Special Handling Instructions and Additional Information JOB SITE: YANDELL TRUCK-AWAY INC. 516 Julie Ann Way Oakland, California					
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		Signature		Month Day Year	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
Printed/Typed Name		Signature		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
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.

**APPENDIX B**

Laboratory Results



3700 Lakeville Highway, Petaluma, CA 94954  
P.O. Box 808024, Petaluma, CA 94975-8024  
Telephone: (707) 763-8245  
FAX (707) 763-4065

RECEIVED  
SEP 12 1991  
MILLER ENVIRONMENTAL CO.

Reinhard Ruhmke  
Miller Environmental Co.  
Environmental Engineering  
385 Pittsburg Ave  
Richmond, CA 94801

Client Code: MIEC1  
Survey # Yandell  
Project/Release # 10181

Page 1

LABORATORY RESULTS

Date Collected: 08/08/91  
Date Extracted: 08/13/91  
Date Analyzed: 08/13/91

Laboratory Job No.: 914277  
Date Received: 08/09/91  
Date Reported: 09/03/91

ASSAY:  
pH (EPA 9045)

LABNO	SMPLNO	pH
29774	SP-1/COMP.4	7.95
29777	MX	7.95
29778	MD	7.95

THIS REPORT HAS BEEN REVIEWED  
AND APPROVED FOR RELEASE.

DLF



3700 Lakeville Highway, Petaluma, CA 94954  
P.O. Box 808024, Petaluma, CA 94975-8024  
Telephone: (707) 763-8245  
FAX (707) 763-4065

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Page 2

L A B O R A T O R Y   R E S U L T S

Date Collected: 08/08/91  
Date Extracted: 08/13/91  
Date Analyzed: 08/13/91

Laboratory Job No.: 914277  
Date Received: 08/09/91  
Date Reported: 09/03/91

ASSAY: REACTIVE SULFIDE (EPA SW846-7.3.3.2)  
MATRIX: SOIL

LABNO	SMPLNO	COMPOUND	FOUND mg/kg	DET. LIM. mg/kg
29774	SP-1/COMP.4	SULFIDE	ND	25
29775	MB	SULFIDE	ND	25
29776	MBS	SULFIDE	198	25
29777	MX	SULFIDE	ND	25
29778	MS	SULFIDE	195	25
29779	MSD	SULFIDE	195	25

NOTE: MBS, MS AND MSD WERE SPIKED AT 151 mg/kg.



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L A B O R A T O R Y   R E S U L T S

Date Collected: 08/08/91  
Date Extracted: 08/13/91  
Date Analyzed: 08/14/91

Laboratory Job No.: 914277  
Date Received: 08/09/91  
Date Reported: 09/03/91

ASSAY: REACTIVE CYANIDE (EPA SW846-7.3.3.2)  
MATRIX: SOIL

LABNO	SMPLNO	COMPOUND	FOUND mg/kg	DET. LIM. mg/kg
29774	SP-1/COMP.4	CYANIDE	ND	5
29775	MB	CYANIDE	ND	5
29776	MBS	CYANIDE	52	5
29777	MX	CYANIDE	ND	5
29778	MS	CYANIDE	35	5
29779	MSD	CYANIDE	39	5

NOTE: MBS, MS AND MSD WERE SPIKED AT 100 mg/kg.

NOTE: LOW SPIKE RECOVERIES ARE NORMAL AND EXPECTED FOR THIS ANALYSIS.



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L A B O R A T O R Y   R E S U L T S

Date Collected: 08/08/91  
Date Extracted: 08/12/91  
Date Analyzed: 08/29/91

Laboratory Job No.: 914277  
Date Received: 08/09/91  
Date Reported: 09/03/91

ASSAY: TPH/DIESEL (EPA 8015)  
MATRIX: SOIL

LAB NUMBER	SAMPLE NUMBER	RESULTS mg/kg	DET.LIM. mg/kg
29766	SW-1 DIESEL	1400	150
29767	SW-2 DIESEL	1200	150
29768	SW-3 DIESEL	87	5.0
29769	SW-4 DIESEL	550	50
29770	SW-5 DIESEL	1100	150
29771	SW-6 DIESEL	320	150
29772	SW-7 DIESEL	23	5.0
29773	SW-8 DIESEL	12	5.0
29774	SP-1/COMP.4 DIESEL	9.2	5.0
29775	MB DIESEL	ND	5.0



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L A B O R A T O R Y   R E S U L T S

Laboratory Job No.: 914277

LAB NUMBER	SAMPLE NUMBER	RESULTS mg/kg	DET.LIM. mg/kg
-----	-----	-----	-----
29776	MBS DIESEL	43	5.0
29777	MX DIESEL	160	5.0
29778	MS DIESEL	200	5.0
29779	MSD DIESEL	160	5.0

NOTE: MS, MSD AND MBS WERE SPIKED AT 55 mg/kg.

NOTE: DEVIATION IN MS AND MSD DUE TO SAMPLE NON-HOMOGENEITY. THE MBS WAS WITHIN CONTROL LIMITS.





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L A B O R A T O R Y   R E S U L T S

Date Collected: 08/08/91  
Date Extracted: 08/19/91  
Date Analyzed: 08/19/91

Laboratory Job No.: 914277  
Date Received: 08/09/91  
Date Reported: 09/03/91

ASSAY: TPH/GASOLINE (EPA 5030/M8015)  
MATRIX: SOIL

LABNO SMPLNO-ID -----	RESULTS mg/kg -----	DET. LIM. mg/kg -----
29766 SW-1 * GASOLINE	720	200
29767 SW-2 GASOLINE	1400	200
29768 SW-3 GASOLINE	<0.2	0.2
29769 SW-4 * GASOLINE	1200	200
29770 SW-5 * GASOLINE	600	200
29771 SW-6 GASOLINE	570	100
29772 SW-7 GASOLINE	1.9	0.4
29773 SW-8 GASOLINE	<0.2	0.2



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L A B O R A T O R Y     R E S U L T S

Laboratory Job No.: 914277

ASSAY: TPH/GASOLINE (EPA 5030/M8015)  
MATRIX: SOIL

LABNO SMPLNO-ID	RESULTS	DET. LIM.
-----	mg/kg	mg/kg
-----	-----	-----
29774 SP-1/COMP.4 * GASOLINE	140	20
29775 MB GASOLINE	<0.2	0.2
29776 MBS GASOLINE	1.0	0.2
29777 MX GASOLINE	<0.2	0.2
29778 MS GASOLINE	0.9	0.2
29779 MSD GASOLINE	0.9	0.2

NOTE: MBS, MS AND MSD WERE SPIKED AT 1.0 mg/kg.

\*SAMPLE CHROMATOGRAM WAS NOT REPRESENTATIVE OF A GASOLINE PATTERN.



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L A B O R A T O R Y   R E S U L T S

Date Collected: 08/08/91  
Date Extracted: 08/19/91  
Date Analyzed: 08/19/91

Laboratory Job No.: 914277  
Date Received: 08/09/91  
Date Reported: 09/03/91

ASSAY: BTEX (EPA 5030/8020)  
MATRIX: SOIL

LABNO	SMPLNO - ID	RESULTS mg/kg	DET. LIM. mg/kg
-----	-----	-----	-----
29766	SW-1		
	BENZENE	<5	5
	TOLUENE	6	5
	ETHYLBENZENE	14	5
	XYLENES	34	5
29767	SW-2		
	BENZENE	12	5
	TOLUENE	6	5
	ETHYLBENZENE	11	5
	XYLENES	16	5
29768	SW-3		
	BENZENE	<0.005	0.005
	TOLUENE	<0.005	0.005
	ETHYLBENZENE	<0.005	0.005
	XYLENES	<0.005	0.005
29769	SW-4		
	BENZENE	<5	5
	TOLUENE	<5	5
	ETHYLBENZENE	7	5
	XYLENES	25	5



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L A B O R A T O R Y   R E S U L T S

Laboratory Job No.: 914277

ASSAY: BTEX (EPA 5030/8020)

MATRIX: SOIL

LABNO SMPLNO-ID	RESULTS mg/kg	DET. LIM. mg/kg
29770 SW-5		
BENZENE	<5	5
TOLUENE	<5	5
ETHYLBENZENE	5	5
XYLENES	17	5
29771 SW-6		
BENZENE	4	2
TOLUENE	8	2
ETHYLBENZENE	8	2
XYLENES	16	2
29772 SW-7		
BENZENE	0.23	0.01
TOLUENE	0.03	0.01
ETHYLBENZENE	<0.01	0.01
XYLENES	0.03	0.01
29773 SW-8		
BENZENE	<0.005	0.005
TOLUENE	<0.005	0.005
ETHYLBENZENE	<0.005	0.005
XYLENES	<0.005	0.005
29774 SP-1/COMP.4		
BENZENE	<0.5	0.5
TOLUENE	<0.5	0.5
ETHYLBENZENE	0.9	0.5
XYLENES	3.1	0.5



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L A B O R A T O R Y   R E S U L T S

Laboratory Job No.: 914277

ASSAY: BTEX (EPA 5030/8020)

MATRIX: SOIL

LABNO SMPLNO-ID	RESULTS mg/kg	DET. LIM. mg/kg
29775 MB		
BENZENE	<0.005	0.005
TOLUENE	<0.005	0.005
ETHYLBENZENE	<0.005	0.005
XYLENES	<0.005	0.005
29776 MBS		
BENZENE	0.010	0.005
TOLUENE	0.010	0.005
ETHYLBENZENE	0.011	0.005
XYLENES	0.033	0.005
29777 MX		
BENZENE	<0.005	0.005
TOLUENE	<0.005	0.005
ETHYLBENZENE	<0.005	0.005
XYLENES	<0.005	0.005
29778 MS		
BENZENE	0.009	0.005
TOLUENE	0.009	0.005
ETHYLBENZENE	0.008	0.005
XYLENES	0.027	0.005



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L A B O R A T O R Y   R E S U L T S

Laboratory Job No.: 914277

ASSAY: BTEX (EPA 5030/8020)

MATRIX: SOIL

LABNO SMPLNO-ID -----	RESULTS mg/kg -----	DET. LIM. mg/kg -----
29779 MSD		
BENZENE	0.008	0.005
TOLUENE	0.008	0.005
ETHYLBENZENE	0.009	0.005
XYLENES	0.025	0.005

NOTE: MBS, MS AND MSD WERE SPIKED AT 0.010 mg/kg FOR ALL ANALYTES EXCEPT FOR XYLENES WHICH WERE SPIKED AT 0.030 mg/kg.



3700 Lakeville Highway, Petaluma, CA 94952  
 P.O. Box 808024, Petaluma, CA, 94975-8024  
 Telephone: (707)763-8245 FAX: (707)763-4085

Quote 0376

**SAMPLE CHAIN OF CUSTODY / WORK ORDER**

Client's Name Miller Environmental Company Phone 916-233-9088  
 Address 385 Pittsburg Avenue  
 City, State, Zip Richmond, CA 94801

Client's or Representative's Signature Remond Rubino  
 (signature authorizes the work and terms listed below)

All samples remain the property of the client who is responsible for disposal. A disposal fee may be imposed if client fails to pick up samples.

PROJ. NO.		PROJECT NAME					NO. OF CONTAINERS	TPH/GAS/BTEX TPH/MSGL Reactive Comp/MLL PH				REMARKS	LAB USE ONLY LAB NO.
10181		Yandell											
SAMPLERS (Signature)													
Remond Rubino													
STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION								
SW-1	8/8			X	sidewall sample	1	X	X					
SW-2				X	10181 ↓ ↓ ↓ ↓ ↓ ↓ ↓	1							
SW-3				X		1							
SW-4				X		1							
SW-5				X		1							
SW-6				X		1							
SW-7				X		1							
SW-8				Y		1							
SP1				Y		spills n.l.	4			X	X	Lab Composite	

RECEIVED  
 D&M LABORATORIES  
 1991 AUG -9 AM 11:59

Relinquished by: (Signature) <u>Remond Rubino</u>	DATE	TIME	Received by: (Signature) <u>Gene Anderson</u>	General Remarks: <u>Normal TAT</u>
Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	
Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	



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SEP 11 1991  
MILLER ENVIRONMENTAL CO.

Reinhard Ruhmke  
Miller Environmental Co.  
Environmental Engineering  
385 Pittsburg Ave  
Richmond, CA 94801

Client Code: MIEC1  
Survey # Yandell  
Project/Release # 10181

Page 1

L A B O R A T O R Y     R E S U L T S

Date Collected: 09/04/91  
Date Extracted: 09/06/91  
Date Analyzed: 09/06/91

Laboratory Job No.: 914738  
Date Received: 09/05/91  
Date Reported: 09/09/91

ASSAY: TPH/GASOLINE (EPA 5030/8015)  
MATRIX: SOIL

LABNO SMPLNO-ID	RESULTS mg/kg	DET. LIM. mg/kg
32948 SP2 GASOLINE *	360	100
32949 MB GASOLINE	ND	0.2
32950 MBS GASOLINE	1.0	0.2
32951 MX GASOLINE	ND	0.2
32952 MS GASOLINE	1.1	0.2

THIS REPORT HAS BEEN REVIEWED  
AND APPROVED FOR RELEASE. 





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---

L A B O R A T O R Y   R E S U L T S

Laboratory Job No.: 914738

ASSAY: TPH/GASOLINE (EPA 5030/8015)  
MATRIX: SOIL

LABNO	SMPLNO-ID	RESULTS mg/kg	DET. LIM. mg/kg
-----	-----	-----	-----
32953	MSD	1.0	0.2
	GASOLINE		

NOTE: MBS, MS AND MSD WERE SPIKED AT 1.0 mg/kg.

\* SAMPLE CHROMATOGRAM FOR SAMPLE NUMBER-ID SP2 WAS NOT REPRESENTATIVE OF A GASOLINE PATTERN.





# Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

RECEIVED

SEP 30 1991

MILLER ENVIRONMENTAL CO.

## C E R T I F I C A T E   O F   A N A L Y S I S

LABORATORY NO.: 83965  
CLIENT: Miller Environmental Company

DATE RECEIVED: 09/19/91  
DATE REPORTED: 09/26/91  
DATE SAMPLED : 09/19/91

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS  
by MODIFIED EPA SW-846 METHOD 5030 and 8015

LAB #	Sample Identification	Concentration (mg/Kg) Gasoline Range
1	SP 1 COMP	* 3

mg/Kg - parts per million (ppm)

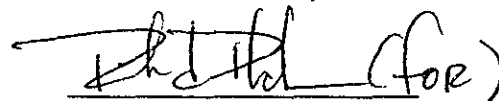
\* - Gasoline Range Concentration Reported. A Non-standard Gasoline Pattern was Observed in the Chromatogram.

Method Detection Limit for Gasoline in Soil: 1 mg/Kg

### QAQC Summary:

Daily Standard run at 2mg/L: RPD Gasoline = <15  
MS/MSD Average Recovery =78 % : Duplicate RPD = 10

Richard Srna, Ph.D.

  
Laboratory Director



# Superior Precision Analytical, Inc.

825 Arnold Drive, Suite 114 ▪ Martinez, California 94553 ▪ (510) 229-1512 / fax (510) 229-1526

## C E R T I F I C A T E   O F   A N A L Y S I S

LABORATORY NO.: 83965  
CLIENT: Miller Environmental Company

DATE RECEIVED: 09/19/91  
DATE REPORTED: 09/26/91  
DATE SAMPLED : 09/19/91

ANALYSIS FOR BENZENE, TOLUENE, ETHYL BENZENE & XYLENES  
by EPA SW-846 Methods 5030 and 8020

LAB #	Sample Identification	Concentration(ug/Kg)			
		Benzene	Toluene	Ethyl Benzene	Xylenes
1	SP 1 COMP	5	7	4	17

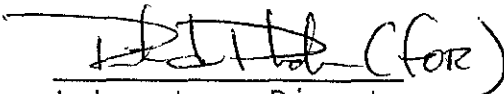
ug/Kg - parts per billion (ppb)

Method Detection Limit in Soil: 3 ug/Kg

### QAQC Summary:

Daily Standard run at 20ug/L: RPD = <15%  
MS/MSD Average Recovery = 86%: Duplicate RPD = <4

Richard Srna, Ph.D.

 (for)  
Laboratory Director

33965

Section I

# Chain of Custody and Analysis Request

page 1 of 1

Consultant MEC  
 Address 375 Pittsburg Ave  
Richmond, CA 94801  
 Phone No. 233-9068 Fax No. 233-2509  
 Project Manager Reinhard Rhumke  
 Alternate Contact Jeff Coffin  
 Project No. 8010 P.O. No. \_\_\_\_\_

Turn Around Time  
 (circle one)  
 Same Day 72 Hrs  
 24 Hrs 48 Hrs  
Normal 5 Day



**Superior Precision Analytical, Inc.**

P.O. Box 1545  
 Martinez, California 94553  
 Martinez 1 (510) 229-1512 Martinez 2 (510) 229-0166  
 San Francisco (415) 647-2081

Sampler: Dana J Reinholdt  
 Regulatory Agency: \_\_\_\_\_

## Section II: Analysis Request

Laboratory Sample Identification	Matrix S = Soil A = Air W = Water	mod 8015 - Gas	mod 8015 - BTEX	mod 8015 - Diesel	8010	8240	CAM17	TCLP Metals:	Metals:	41B.1 - TPH by IR	O & G	PCBs	TPH Gas BTEX	Date Sampled	Time Sampled	Number of Containers	Preservative (yes or no)	Sampling Remarks					
																		<input type="checkbox"/> Bio-remediation	<input checked="" type="checkbox"/> Underground storage tank	<input type="checkbox"/> Monitoring	<input type="checkbox"/> Recent Contamination	<input type="checkbox"/> Unknown Compounds	
1 SP1 COMP	S												X	9/18/91	1300	4	N	Lab composite					
2														9/19/91									
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

Relinquished by Dana J Reinholdt Date/Time 9/18/91 1700  
 Organization MEC

Received by Brenda Loh Date/Time 9/19/91 17:00  
 Organization Superior

Relinquished by \_\_\_\_\_ Date/Time \_\_\_\_\_  
 Organization \_\_\_\_\_

Received by \_\_\_\_\_ Date/Time \_\_\_\_\_  
 Organization \_\_\_\_\_

Relinquished by \_\_\_\_\_ Date/Time \_\_\_\_\_  
 Organization \_\_\_\_\_

Received by \_\_\_\_\_ Date/Time \_\_\_\_\_  
 Organization \_\_\_\_\_

Lab please initial the following:  
 Samples Stored in Ice NO  
 Appropriate Containers NO  
 Samples Preserved NO  
 VOAs without Headspace NO  
 Comments \_\_\_\_\_



NATIONAL  
ENVIRONMENTAL  
TESTING, INC.

NET Pacific, Inc.  
435 Tesconi Circle  
Santa Rosa, CA 95401  
Tel: (707) 526-7200  
Fax: (707) 526-9623

RECEIVED

NOV - 4 1991

MILLER ENVIRONMENTAL CO.

Reinhard Ruhmke  
Miller Environmental  
385 Pittsburg Ave.  
Richmond, CA 94801


Date: 11-01-91  
NET Client Acct No: 788  
NET Pacific Log No: 1372  
Received: 10-11-91 0800

Client Reference Information

Yandell Trucking, Project: 91-0014

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:



Jules Skamarack  
Laboratory Manager

JS:rct  
Enclosure(s)



Client No: 788  
 Client Name: Miller Environmental  
 NET Log No: 1372

Date: 11-01-91

Page: 2

NET Pacific, Inc

Ref: Yandell Trucking, Project: 91-0014

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	OX-1	OX-2	Units
			10-09-91	10-09-91	
			100509	100510	
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-17-91	10-18-91	
METHOD GC FID/5030			--	--	
as Gasoline	1		31 **	ND	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-17-91	10-18-91	
Benzene	2.5		56	ND	ug/Kg
Ethylbenzene	2.5		ND	ND	ug/Kg
Toluene	2.5		ND	ND	ug/Kg
Xylenes, total	2.5		ND	ND	ug/Kg
PETROLEUM HYDROCARBONS			--	--	
EXTRACTABLE (SOIL)			--	--	
DILUTION FACTOR *			10	10	
DATE EXTRACTED			10-14-91	10-14-91	
DATE ANALYZED			10-18-91	10-18-91	
METHOD GC FID/3550			--	--	
as Diesel	1		ND	ND	mg/Kg
as Motor Oil	10		400	320	mg/Kg

\*\* NOTE: Petroleum hydrocarbon as gasoline result is due to a petroleum hydrocarbon that does not appear to be gasoline.



Client No: 788  
 Client Name: Miller Environmental  
 NET Log No: 1372

Date: 11-01-91  
 Page: 3

NET Pacific, Inc

Ref: Yandell Trucking, Project: 91-0014

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	OX-3	OX-4	Units
			10-09-91	10-09-91	
			100511	100512	
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-17-91	10-17-91	
METHOD GC FID/5030			--	--	
as Gasoline		1	ND	ND	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-17-91	10-17-91	
Benzene		2.5	ND	ND	ug/Kg
Ethylbenzene		2.5	ND	ND	ug/Kg
Toluene		2.5	ND	ND	ug/Kg
Xylenes, total		2.5	ND	ND	ug/Kg
PETROLEUM HYDROCARBONS			--	--	
EXTRACTABLE (SOIL)			--	--	
DILUTION FACTOR *			10	10	
DATE EXTRACTED			10-14-91	10-14-91	
DATE ANALYZED			10-15-91	10-18-91	
METHOD GC FID/3550			--	--	
as Diesel		1	ND	ND	mg/Kg
as Motor Oil		10	110	360	mg/Kg





Client No: 788  
 Client Name: Miller Environmental  
 NET Log No: 1372

Date: 11-01-91

NET Pacific, Inc

Page: 4

Ref: Yandell Trucking, Project: 91-0014

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	OX-5	OX-6	Units
			10-09-91	10-09-91	
			100513	100514	
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-17-91	10-17-91	
METHOD GC FID/5030			--	--	
as Gasoline		1	ND	ND	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-17-91	10-17-91	
Benzene		2.5	ND	ND	ug/Kg
Ethylbenzene		2.5	ND	ND	ug/Kg
Toluene		2.5	ND	ND	ug/Kg
Xylenes, total		2.5	ND	ND	ug/Kg
PETROLEUM HYDROCARBONS			--	--	
EXTRACTABLE (SOIL)			--	--	
DILUTION FACTOR *			10	10	
DATE EXTRACTED			10-14-91	10-14-91	
DATE ANALYZED			10-18-91	10-18-91	
METHOD GC FID/3550			--	--	
as Diesel		1	ND	ND	mg/Kg
as Motor Oil		10	640	740	mg/Kg



Client No: 788  
 Client Name: Miller Environmental  
 NET Log No: 1372

Date: 11-01-91  
 Page: 5

NET Pacific, Inc

Ref: Yandell Trucking, Project: 91-0014

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	Descriptor, Lab No. and Results		Units
			OX-7 10-09-91 100515	OX-8 10-09-91 100516	
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-18-91	10-17-91	
METHOD GC FID/5030			--	--	
as Gasoline	1	ND	ND	ND	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-18-91	10-17-91	
Benzene	2.5	ND	ND	4.2	ug/Kg
Ethylbenzene	2.5	ND	ND	ND	ug/Kg
Toluene	2.5	ND	ND	ND	ug/Kg
Xylenes, total	2.5	ND	ND	ND	ug/Kg
PETROLEUM HYDROCARBONS			--	--	
EXTRACTABLE (SOIL)			--	--	
DILUTION FACTOR *			10	10	
DATE EXTRACTED			10-14-91	10-14-91	
DATE ANALYZED			10-18-91	10-18-91	
METHOD GC FID/3550			--	--	
as Diesel	1	ND	ND	ND	mg/Kg
as Motor Oil	10	ND	ND	190	mg/Kg



Client No: 788  
 Client Name: Miller Environmental  
 NET Log No: 1372

Date: 11-01-91

NET Pacific, Inc

Page: 6

Ref: Yandell Trucking, Project: 91-0014

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	OX-9	OX-1C	Units
			10-09-91	10-09-91	
			100517	100518	
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-18-91	10-18-91	
METHOD GC FID/5030			--	--	
as Gasoline		1	1.2	ND	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-18-91	10-18-91	
Benzene		2.5	15	ND	ug/Kg
Ethylbenzene		2.5	ND	ND	ug/Kg
Toluene		2.5	ND	ND	ug/Kg
Xylenes, total		2.5	10	ND	ug/Kg
PETROLEUM HYDROCARBONS			--	--	
EXTRACTABLE (SOIL)			--	--	
DILUTION FACTOR *			10	10	
DATE EXTRACTED			10-14-91	10-14-91	
DATE ANALYZED			10-18-91	10-18-91	
METHOD GC FID/3550			--	--	
as Diesel		1	ND	230	mg/Kg
as Motor Oil		10	260	370	mg/Kg



Client No: 788  
 @Client Name: Miller Environmental  
 NET Log No: 1372

Date: 11-01-91  
 Page: 7

NET Pacific, Inc

Ref: Yandell Trucking, Project: 91-0014

Descriptor, Lab No. and Results

SP2  
 10-09-91

Parameter	Method	Reporting Limit	100519	Units
Oil & Grease(Total)	EPA9071	50	2,600	mg/Kg
Oil & Grease(Non-Polar)	SM5520EF	50	1,500	mg/Kg
<b>17 CAM Metals, Total</b>				
Antimony	6010	10	ND	mg/Kg
Arsenic	7060	0.5	6.3	mg/Kg
Barium	6010	2	310	mg/Kg
Beryllium	6010	2	ND	mg/Kg
Cadmium	6010	2	ND	mg/Kg
Chromium (VI)	7197	0.5	NA	mg/Kg
Chromium	6010	2	58	mg/Kg
Cobalt	6010	5	15	mg/Kg
Copper	6010	2	66	mg/Kg
Lead	6010	20	270	mg/Kg
Mercury	7471	0.1	0.26	mg/Kg
Molybdenum	6010	5	ND	mg/Kg
Nickel	6010	5	66	mg/Kg
Selenium	7740	0.5	ND	mg/Kg
Silver	6010	2	ND	mg/Kg
Thallium	6010	20	ND	mg/Kg
Vanadium	6010	5	41	mg/Kg
Zinc	6010	2	320	mg/Kg



Client No: 788  
 Client Name: Miller Environmental  
 NET Log No: 1372

Date: 11-01-91

NET Pacific, Inc

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Ref: Yandell Trucking, Project: 91-0014

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	100519	Units
PETROLEUM HYDROCARBONS				
VOLATILE (SOIL)				
DILUTION FACTOR *			50	
DATE ANALYZED			10-18-91	
METHOD GC FID/5030			--	
as Gasoline	1		230 **	mg/Kg
METHOD 8020			--	
DILUTION FACTOR *			50	
DATE ANALYZED			10-18-91	
Benzene	2.5		ND	ug/Kg
Ethylbenzene	2.5		ND	ug/Kg
Toluene	2.5		ND	ug/Kg
Xylenes, total	2.5		1,000	ug/Kg
PETROLEUM HYDROCARBONS				
EXTRACTABLE (SOIL)				
DILUTION FACTOR *			10	
DATE EXTRACTED			10-14-91	
DATE ANALYZED			10-18-91	
METHOD GC FID/3550			--	
as Diesel	1		260	mg/Kg
as Motor Oil	10		140	mg/Kg

\*\* NOTE: Petroleum hydrocarbon as gasoline result is due to a petroleum hydrocarbon that is heavier than gasoline.



Client No: 788  
 @Client Name: Miller Environmental  
 NET Log No: 1372

Date: 11-01-91  
 Page: 9

NET Pacific, Inc

Ref: Yandell Trucking, Project: 91-0014

Descriptor, Lab No. and Results

OX-FP  
 10-09-91

Parameter	Method	Reporting Limit	100520	Units
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (SOIL)			--	
DILUTION FACTOR *			500	
DATE EXTRACTED			10-14-91	
DATE ANALYZED			10-18-91	
METHOD GC FID/3550			--	
as Diesel		1	690,000	mg/Kg
as Motor Oil		10	ND	mg/Kg
as Creosote		10	ND	mg/Kg



Client Acct: 788  
 Client Name: Miller Environmental  
 NET Log No: 1372

Date: 10-30-91  
 Page: 10

Ref: Yandell Trucking, Project: 91-0014

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Diesel	1	mg/Kg	101	ND	73	71	2.6
Motor Oil	10	mg/Kg	87	ND	N/A	N/A	N/A

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Gasoline	1	mg/Kg	87	ND	84	76	10
Benzene	2.5	ug/Kg	113	ND	90	89	1.1
Toluene	2.5	ug/Kg	115	ND	93	92	1.1

COMMENT: Blank Results were ND on other analytes tested.

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
O & G(Total)	50	mg/Kg	111	ND	98	100	1.8
O & G(Non-P)	50	mg/Kg	107	ND	N/A	N/A	N/A



Client Acct: 788  
Client Name: Miller Environmental  
NET Log No: 1372

Date: 10-30-91  
Page: 11

NET Pacific, Inc

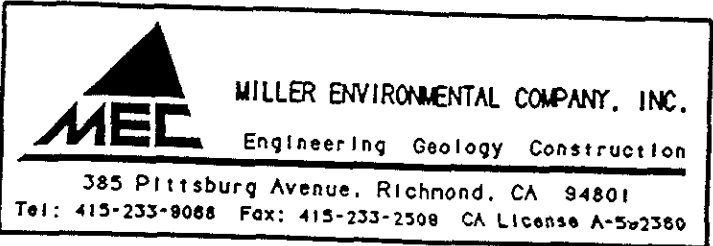
Ref: Yandell Trucking, Project: 91-0014

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Antimony	10	mg/Kg	102	ND	22	42	63
Arsenic	0.5	mg/Kg	99	ND	106	104	<1
Barium	2	mg/Kg	105	ND	86	81	6.0
Beryllium	2	mg/Kg	102	ND	86	89	3.4
Cadmium	2	mg/Kg	102	ND	84	87	3.5
Chromium	2	mg/Kg	109	ND	88	120	31
Cobalt	5	mg/Kg	108	ND	91	92	1.1
Copper	2	mg/Kg	108	ND	90	95	5.4
Lead	20	mg/Kg	112	ND	94	97	3.1
Mercury	0.1	mg/Kg	101	ND	102	91	11
Molybdenum	5	mg/Kg	106	ND	74	88	14
Nickel	5	mg/Kg	110	ND	129	124	4.0
Selenium	0.5	mg/Kg	100	ND	80	85	5.7
Silver	2	mg/Kg	106	ND	87	90	3.4
Thallium	20	mg/Kg	110	ND	88	91	3.4
Vanadium	5	mg/Kg	102	ND	78	91	15
Zinc	2	mg/Kg	106	ND	85	93	9.0



# Sample Analysis Request / Chain of Custody



JOB NAME: Yardell Trucking 1372

JOB NUMBER: 91-0014 P.O. Number:

Samplers: Reinhard Mulholland

No. of Containers	Matrix	ANALYSES					Turn Around Time
		TPH as Gasoline	BTXE	TPH as Diesel	CAM-17	TOL	

Sample I.D.	Date	Time	Comp.	Grab	Location	No. of Containers	Matrix	TPH as Gasoline	BTXE	TPH as Diesel	CAM-17	TOL	Turn Around Time
OX-1	10/19/91			X		1	Soil	X	X	X			5-day
OX-2				X		1							
OX-3				X		1							
OX-4				X		1							
OX-5				X		1							
OX-6				X		1							
OX-7				X		1							
OX-8				X		1							
OX-9				X		1							
OX-10				X		1							
SP2			X			1				X	X		
OX-FP				X		1	Product			X			

@1900 MUST  
 CUSTODY SEALED 10/10/91  
 10 day TAT per PR to  
 OK to go  
 10/11/91

Relinquished By (Signature)	Date	Time	Accepted By (Signature)
1 Reinhard Mulholland	10/19/91	2:10pm	1 Mike Tavares
2 Mike Tavares	10/10/91		2 A. Lopez 10-11-91 0800
3			3

Laboratory Name & Address: NET

REMARKS: Please call Reinhard at 510-233-9068 regarding analysis of product



NATIONAL  
ENVIRONMENTAL  
TESTING, INC.

NET Pacific, Inc.  
435 Tesconi Circle  
Santa Rosa, CA 95401  
Tel: (707) 526-7200  
Fax: (707) 526-9623

**RECEIVED**

DEC 23 1991

**MILLER ENVIRONMENTAL CO.**

Reinhard Ruhmke  
Miller Environmental  
385 Pittsburg Ave.  
Richmond, CA 94801

Date: 12/22/1991  
NET Client Acct. No: 78800  
NET Pacific Log No: 91.0944  
Received: 11/28/1991

Client Reference Information

Yandell Trucking, 91-0014

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

  
Jules Skamarack  
Laboratory Manager

Enclosure(s)



Client Acct: 78800  
 Client Name: Miller Environmental  
 NET Log No: 91.0944

Date: 12/22/1991  
 Page: 2

NET Pacific, Inc

Ref: Yandell Trucking, 91-0014

SAMPLE DESCRIPTION: EX-W  
 Date Taken: 11/25/1991  
 Time Taken:  
 LAB Job No: (-106538 )

Parameter	Method	Reporting Limit	Results	Units
Oil & Grease (Total)		5	630	mg/L
TPH (Gas/BTXE,Liquid)				
METHOD 5030 (GC,FID)			--	
DATE ANALYZED			12-07-91	
DILUTION FACTOR*			1,000	
as Gasoline		0.05	190	mg/L
METHOD 8020 (GC,Liquid)			--	
DATE ANALYZED			12-07-91	
DILUTION FACTOR*			1	
Benzene		0.5	ND	ug/L
Ethylbenzene		0.5	ND	ug/L
Toluene		0.5	ND	ug/L
Xylenes (Total)		0.5	ND	ug/L
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			50	
DATE EXTRACTED			12-02-91	
DATE ANALYZED			12-03-91	
as Diesel		0.05	49	mg/L
as Motor Oil		0.5	ND	mg/L



NET Pacific, Inc

Client Acct: 78800  
Client Name: Miller Environmental  
NET Log No: 91.0944

Date: 12/22/1991  
Page: 3

Ref: Yandell Trucking, 91-0014

QUALITY CONTROL DATA

<u>Parameter</u>	<u>Reporting Limits</u>	<u>Units</u>	<u>Cal Verf Stand % Recovery</u>	<u>Blank Data</u>	<u>Spike % Recovery</u>	<u>Duplicate Spike % Recovery</u>	<u>RPD</u>
Gasoline	0.05	mg/L	87	ND	96	98	1.8
Benzene	0.5	ug/L	90	ND	108	111	1.4
Toluene	0.5	ug/L	103	ND	108	111	2.3
Diesel	0.05	mg/L	98	ND	73	77	4.4
Motor Oil	0.5	mg/L	95	ND	N/A	N/A	N/A
O&G, total	5.0	mg/L	102	ND	102	103	1.4

COMMENT: Blank Results were ND on other analytes tested.



NET Pacific, Inc

## KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
- \* : Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
- ICVS : Initial Calibration Verification Standard (External Standard).
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference,  $100 \text{ [Value 1 - Value 2] / mean value}$ .
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- umhos/cm : Micromhos per centimeter.

### Method References


Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.

# Sample Analysis Request / Chain of Custody 2419



**MILLER ENVIRONMENTAL COMPANY, INC.**  
Engineering Geology Construction  
385 Pittsburg Avenue, Richmond, CA 94801  
Tel: 415-233-8068 Fax: 415-233-2509 CA License A-592360

JOB NAME: *Yandell Trucking*

JOB NUMBER: *91-0014* P.O. Number:

Samplers: *Renhard Adams*

Sample I.D.	Date	Time	Comp.	Grab	Location	No. of Containers	Matrix	ANALYSES					Turn Around Time
								TPH as Gasoline	BTXE	TPH as Diesel	TOC		
<i>EX-W</i>	<i>11/25</i>			<i>X</i>	<i>Excavation</i>	<i>4</i>	<i>Water</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>		<i>Normal</i>

~~CHAIN OF CUSTODY SEALED 11/27/91~~  
~~2 1900 MVT~~

Relinquished By (Signature)	Date	Time	Accepted By (Signature)
<i>Renhard Adams</i>	<i>11/27/91</i>	<i>125pm</i>	<i>Mike Curran</i>
<i>Mike Curran</i>	<i>11/27/91</i>	<i>1900</i>	
<i>(via MEC)</i>	<i>11/28/91</i>	<i>0900</i>	<i>Kemp</i>

Laboratory Name & Address: *NET*

REMARKS:

**APPENDIX C**

Soil Disposal Tags

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name Yardell Trucking Generating Location Yardell Trucking  
 Address 10 Box 915 Address 536 State Avenue  
Corvallis, OR 97331 Corvallis, OR

Phone No. 503-537-1100 Phone No. 503-636-2100

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
	<u>Soil with petroleum based liquids</u>	<u>15</u>	<u>Y</u>	<u>1</u>	<u>T</u>	<u>D - Drum</u>
						<u>C - Carton</u>
						<u>B - Bag</u>
						<u>T - Truck</u>
						<u>P - Pounds</u>
						<u>Y - Yards</u>
						<u>O - Other</u>

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Richard Johnson Signature [Signature] Shipment Date 10/18/91

**TRANSPORTER**

Truck No. Y Phone No. (408) 633-6414  
 Transporter Name Tul. County Eng Driver Name (Print) JAMES C. (AMERSON)  
 Address Castroville, CA Vehicle License No./State 3K34533 CA  
 Vehicle Certification \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [Signature] Shipment Date 10/18/91 Driver Signature [Signature] Delivery Date 10/18/91

**DESTINATION**

Site Name BFI Phone No. 503-911-1111  
 Address 1000 N. Van Ness Blvd

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent \_\_\_\_\_ Signature [Signature] Receipt Date 10/18/91

PASS CODE \_\_\_\_\_



**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name Yandell Trucking Generating Location Yandell Trucking  
 Address P.O. Box 818 Address 536 Julie Ann Way  
Oakland, Ca. 94604 OAKLAND, Ca.  
 Phone No. 510-5362100 Phone No. 510-5362100

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
	Soil with non-hazardous levels of Hydrocarbon contamination	18	X	0	1	D - Drum
						C - Carton
						B - Bag
						T - Truck
						P - Pounds
						Y - Yards
						O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Reinhard Ruhnke Ruhnke 1008911  
 Generator Authorized Agent Name Signature Shipment Date

**TRANSPORTER**

Truck No. \_\_\_\_\_ Phone No. (408) 653-6911  
 Transporter Name Truckers Inc Driver Name (Print) James C Cameron  
 Address \_\_\_\_\_ Vehicle License No./State SK54533  
Chico, CA Vehicle Certification \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature \_\_\_\_\_ Shipment Date 10/18/91 Driver Signature [Signature] Delivery Date 10/18/91

**DESTINATION**

Site Name BFI Landfill Phone No. 510-44704911  
 Address 4001 N. Vasco Rd. Livermore

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent \_\_\_\_\_ Signature [Signature] Receipt Date 10/18/91

PASS CODE \_\_\_\_\_

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name Vandell Trucking      Generating Location Vandell Trucking  
 Address P.O. Box 818      Address 536 Julie Ann Way  
Oakland, Ca. 94604      Oakland, Ca.  
 Phone No. 510-5362100      Phone No. 510-5362100

BFI Waste Code	Description of Waste	Quantity	Units	Containers No.	Containers Type
	Soil with non-hazardous levels of hydrocarbon contamination	18	Y	01	D

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Richard Kuhnke      Signature      100891      Shipment Date

**TRANSPORTER**

Truck No. \_\_\_\_\_      Phone No. (408) 633-6414  
 Transporter Name Tri-County Eng.      Driver Name (Print) James C. (Amico)  
 Address Crestonville, Ca.      Vehicle License No./State 3K-4533  
 Vehicle Certification \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

James C. Amico      Signature      10/8/91      Shipment Date  
James C. Amico      Driver Signature      10/8/91      Delivery Date

**DESTINATION**

Site Name BFI Landfill      Phone No. 510-4470491  
 Address 4001 N. Visco Rd., Livermore

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

\_\_\_\_\_  
 Name of Authorized Agent      Signature      100891      Receipt Date

PASS CODE \_\_\_\_\_

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name Yandell Trucking      Generating Location Yandell Trucking  
 Address P.O. Box 818      Address 536 Julie Ann Way  
Oakland, Ca. 94604      Oakland, Ca.  
 Phone No. 510-5362100      Phone No. 510-5362100  
 BFI Waste Code

Description of Waste	Quantity	Units	Containers		Type
			No.	Type	
Soil with non-hazardous levels of hydrocarbon contamination	18	Y	01	T	

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Richard Rehnke      Signature      100891      Shipment Date  
 Generator Authorized Agent Name

**TRANSPORTER**

Truck No. \_\_\_\_\_      Phone No. (409) 633 6411  
 Transporter Name Tec County Exp.      Driver Name (Print) James C. Cameron  
 Address Castroville Ca      Vehicle License No./State 3K 34533 Ca.  
 Vehicle Certification \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

James C. Cameron      10/9/91      Shipment Date      James C. Cameron      10/9/91      Delivery Date  
 Driver Signature

**DESTINATION**

Site Name BFI Landfill      Phone No. 510-4476497  
 Address 4001 N. Visco Rd., Livermore

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

James C. Cameron      Signature      100991      Receipt Date  
 Name of Authorized Agent

PASS CODE \_\_\_\_\_

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name Yandell Trucking      Generating Location Yandell Trucking  
 Address P.O. Box 818      Address 536 Julie Ann Way  
Oakland, Ca. 94604      Oakland, Ca.  
 Phone No. 510-5362100      Phone No. 510-5362100  
 BFI Waste Code

Description of Waste	Quantity	Units	Containers		Type
			No.	Type	
Soil with non-hazardous levels of hydrocarbon contamination	18	Y	01	T	D - Drum
					C - Carton
					B - Bag
					T - Truck
					P - Pounds
					Y - Yards
					O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Reinhard Kuhnke      [Signature]      100891  
 Generator Authorized Agent Name      Signature      Shipment Date

**TRANSPORTER**

Truck No. \_\_\_\_\_      Phone No. (408) 633-6414  
 Transporter Name Tri-County Eng.      Driver Name (Print) JAMES C. CHAMERON  
 Address Castroville, Ca      Vehicle License No./State 3K39533  
 Vehicle Certification \_\_\_\_\_

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature]      10/9/91      [Signature]      10/9/91  
 Driver Signature      Shipment Date      Driver Signature      Delivery Date

**DESTINATION**

Site Name BFI Landfill      Phone No. 510-447-0491  
 Address 4001 N. Vasco Rd., Lodi, Calif

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

\_\_\_\_\_  
 Name of Authorized Agent      Signature      100891      Receipt Date

PASS CODE \_\_\_\_\_

RECEIVED

JAN 21 1992

MILLER ENVIRONMENTAL CO

# Valley Rock Products, Inc.

4 MILES EAST OF ORLAND ON HIGHWAY 32

P.O. BOX 636 ORLAND, CALIFORNIA 95963

CERTIFICATE OF REMEDIATION  
AND/OR RECYCLING OF PETROLEUM  
HYDROCARBON CONTAMINATED SOILS  
(916) 865-4984 OR FAX (916) 865-9510

SUPPLIER Miller Environmental Company      GENERATOR Yandell Trucking      CERTIFICATE NO. 015  
Richmond, CA      Oakland, CA

VALLEY ROCK PRODUCTS, a California Corporation (company) located at Orland, CA and as operator of the above facility hereby certify as follows:

1. The company has received from the above generator 334.88 tons of hydrocarbon contaminated soil (HC soil) as transported by, or on behalf of generator by Rock Transport, Inc., contracted through Soils Specialist Co., Inc., a duly appointed agent of Valley Rock Products, Inc., to such facility, and referred to as lot number 015 which HC soil was received at the facility on 12/20/91 as part of a shipment consisting of 334.88 tons in total. The company operates its facility and processes such HC soil pursuant to such permits or exemptions issued by applicable governmental authorities under the guidelines of Title 22 and/or Title 23.

2. In receiving and processing the HC soil and in providing this certificate, the company has relied upon and is relying on (a) the representation of the generator that the HC soil does not contain any materials classified as, and is not classified as "Hazardous Waste" under the applicable provisions of the Federal and California law and has been managed and may be treated as other than "Hazardous Waste" and (b) the generator has independent written certifications from applicable governmental agencies or certified independent testing laboratories that the HC soil does not contain any material classified as, and is not classified as, "Hazardous Waste" under said applicable law.

3. The HC soil has been treated and added to other materials that constitute a recycled product. The HC soil was processed during the period of 12/27/91 and all the HC soil covered by this certificate was completed being processed by 12/27/91. In the treatment of HC soil, releases and emissions have been in accordance with the requirements of the applicable operating permits or exemption of the facility.

4. The company shall indemnify, defend and hold harmless the generator from and against any enforcement actions by any governmental authority in the event that any representations by the company set forth in this certificate are materially inaccurate; provided however that this indemnity shall be limited to a maximum of the amount paid to the company by the generator for processing this HC soil.

This certificate is executed on this 7th day of January, 1992

Valley Rock Products, Inc.  
BY [Signature]  
David L. Geary, Controller