

REINHOLDT & ASSOCIATES

Underground Storage Tank & Environmental Services

93 AUG -5 PM 4:04

August 2, 1993

Scott O. Seery
Alameda County Environmental Health Dept.
80 Swan Way, Room #200
Oakland, CA 94621

Re: Tank removal report.

Dear Sir:

The following report outlines work performed at **THARCO
2222 Grant Ave., San Lorenzo, California.**

The scope of the work included the removal of one (1) 2000 gallon underground storage tank (UST) and the collection of soil samples from the property mentioned above.

Introduction

On July 19, 1993 personnel from REDHOSE CONSTRUCTORS were present to remove one (1) 2000 gallon UST that had previously stored diesel fuel. The removal of the tank was witnessed by Alameda County Fire Inspector Tony Rocha and by Alameda County Environmental Health Inspector Scott O. Seery.

The tank was existing when THARCO initially occupied the property in 1979. The property was developed circa 1964. The exact installation date of the tank is unknown but believed to be between 1964-1979.

Tank Removal

Prior to removal, approximately 70 gallons of residual tank product and rinseate was removed and disposed of by H & H Environmental Services (H & H) of San Francisco. The tank was then rendered inert by the displacement of approximately 75 lbs. solid carbon dioxide. Inspector Rocha verified LEL and oxygen readings and gave approval to remove.

The tank was lifted by a backhoe and set above grade to be visibly inspected. The steel tank was exposed in areas where the tar and wrap coating had been defeated. Corrosion and pitting was detected on the lower portions of the tank.

Tank Removal Report for:

THARCO 2222 Grant Ave., San Lorenzo, California

The tank was then transported by H & H to their disposal facility where it was processed and disposed as scrap metal to SCHNITZER STEEL in Oakland. A copy of the certificate of disposal and hazardous waste manifests are located in Addendum A.

The native soil encountered during excavation was comprised of a tight clay, typical Bay Mud. The tank was backfilled with imported sand. When removed, the sand was noticeably discolored in areas and also omitted a slight odor. The sand removed from below the tank bottom was darker and more odorous.

The excavated soil was set above ground on birmed visqueen. The soil removed from below the tank bottom was separated from the soil removed from the top and sides. Both stockpiles were covered with visqueen.

Soil Sampling

Two soil samples from the native soil were collected under direction of Inspector Seery from the pit bottom at approximately 10'-11' below grade. One sample (S1) was collected from the fill pipe end of the excavation and another (S2) from the vent end. Groundwater was not encountered during excavation.

The soil samples were collected in clean 2" x 6" brass tubes. The tubes were sealed with Teflon tape and end caps and placed on dry ice. The samples were delivered to Mobile Chem Labs (MCL), a State certified laboratory, under signed chain-of-custody. A copy of this form is provided with laboratory results in Addendum B.

Laboratory analyses

The soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPHG), for benzene, toluene, xylene and ethylbenzene (BTXE) and for total petroleum hydrocarbons as diesel (TPHD). The laboratory methods used by MCL were: EPA 5030 for TPHG, EPA 8020 for BTXE and EPA 3550 for TPHD.

Laboratory results

For ease of reference, Table 1 provides a summary of results.

TABLE 1

<u>Sample</u>	<u>TPHG</u>	<u>B</u>	<u>T</u>	<u>X</u>	<u>E</u>	<u>TPHD</u>
S-1	ND	ND	ND	ND	ND	ND
S-2	ND	.010	ND	.039	.007	26

A) Sample results are expressed in parts per million (ppm) which is equivalent to milligrams per kilogram (mg/kg).
ND = Not Detected

B) Detection limits were:

<u>Analysis</u>	<u>Limit</u>
TPHG	1.0 ppm
BTXE	.005 ppm
TPHD	5.0 ppm

Recommendations

It is recommended that the remaining backfill sand be removed and remediated or disposed along with the existing soil stockpile. Further verification samples from the native soil should be collected if required. The excavation should be backfilled with a clean, imported material and re-surfaced.

If any any questions should arise regarding the work detailed, please feel free to contact me.

Sincerely,
REINHOLDT & ASSOCIATES


Darin J. Reinholdt
California License #671177

enc: Hazardous waste manifests
UST Disposal Certificate
Laboratory results
Chain of custody form
Site map

cc: Steve Nelson of THARCO
RWQCB, 2101 Webster St., Suite 500, Oakland 94612
file

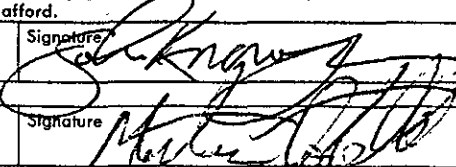

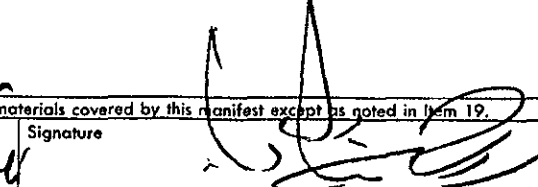
ADDENDUM A

HAZARDOUS WASTE MANIFESTS & CERTIFICATE OF DISPOSAL

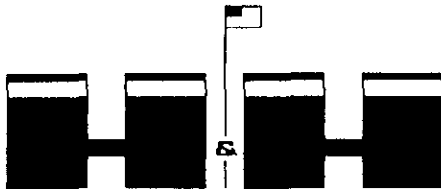
UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA 00000790640		Manifest Document No 15881		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address THARCO 2222 Grant Avenue San Lorenzo CA 94507				A. State (Waste) Document Number 922-5890		B. State Generator ID					
4. Generator's Phone (510) 276-3000				C. State Transporter ID		D. Transporter's Phone					
5. Transporter 1 Company Name H & H Ship Service Company				6. US EPA ID Number CA 0004771168		E. State Transporter ID		F. Transporter's Phone			
7. Transporter 2 Company Name				8. US EPA ID Number		G. State Facility ID		H. Facility Phone			
9. Designated Facility Name and Site Address PRC PATTERSON, INC. 13331 N Highway 33 Patterson CA. 95363				10. US EPA ID Number CA 008016728		I. State Facility ID		J. Facility Phone			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) OIL AND WATER NON-PCRA HAZARDOUS WASTE LIQUID				12. Containers		13. Total Quantity		14. Unit			
				No.		Type		Wt/Vol		Waste Number	
				0 0 1		T T		00000		0	
15. Special Handling Instructions and Additional Information JOB #12971 24 Hr. Emergency Contact: H & H # (415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR				16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws. 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: KARL PENALVER				Signature: <i>Karl Penalver</i>		Month: 07		Day: 19		Year: 99	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: _____				Signature: _____		Month: 07		Day: 19		Year: 99	
19. Discrepancy Indication Space				Signature: _____		Month: _____		Day: _____		Year: _____	
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. C A C 0 0 0 7 9 0 6 4 0		Manifest Document No. 0 0 0 0 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address THARCO 2222 Grant Avenue, San Lorenzo, CA. 94527						A. State Manifest Document Number 92215887							
4. Generator's Phone (510) 276-3000						B. State Generator's ID							
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		C. State Transporter's ID 401989							
7. Transporter 2 Company Name						D. Transporter's Phone (415) 543-4835							
8. US EPA ID Number						E. State Transporter's ID							
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							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) RESIDUE DIESEL TANK NON-RCRA HAZARDOUS WASTE SOLID						12. Containers No. Type 0 0 1 T P		13. Total Quantity 0 2 0 0 0		14. Unit Wt/Vol P		15. Waste Number State 512 EPA/Other	
b.										State		EPA/Other	
c.										State		EPA/Other	
d.										State		EPA/Other	
16. Additional Descriptions for Materials Listed Above EMPTY 2,000 gallon tank last containing diesel. Tank inerted with dry ice for transport. PROFILE #A2822						K. Handling Codes for Wastes Listed Above a. 01 b. c. d.							
15. Special Handling Instructions and Additional Information JOB #12972 24 Hr. Emergency Contact: H & H #(415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws. 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 JOHN KNOWLES				Signature 				Month 0 7		Day 1 9		Year 9 9	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name MARVIN D. COSTELLO				Signature 				Month 0 7		Day 1 9		Year 9 9	
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 Roshan Shadler				Signature 				Month 0 7		Day 1 9		Year 9 9	

DO NOT WRITE BELOW THIS LINE.



ENVIRONMENTAL SERVICES
(DIVISION OF H&H SHIP SERVICE CO., INC.)

220 CHINA BASIN, SAN FRANCISCO, CA 94107 • DAY AND NIGHT: (415) 543-4835 FAX (415) 543-8265

CERTIFICATE OF DISPOSAL

JULY 22, 1993

H&H Ship Service Company hereby certifies to REINHOLDT & ASSOCIATES

1. The storage tank(s), size(s) ONE (1) 2,000 GALS.

removed from the THARCO
facility at 2222 GRANT AVENUE
SAN LORENZO, CALIFORNIA

were transported to H&H Ship Service Company, 220 China Basin St., San Francisco, California 94107.

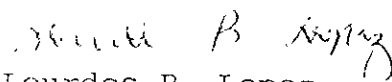
2. The following tank(s), H&H Job Number 12972
have been steam cleaned, cut with approximately 2' X 2' holes, rendered harmless and disposed of as scrap metal.

3. Disposal site: SCHNITZER STEEL, OAKLAND, CALIFORNIA.

4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.

5. Should you require further information, please call (415) 543-4835 or (415) 905-5510.

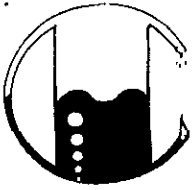
Very Truly Yours,


Lourdes B. Lopez
Operations Coordinator



ADDENDUM B

LABORATORY RESULTS & CHAIN-OF-CUSTODY FORM



MOBILE CHEM LABS INC.

5011 Blum Road, Suite 1 • Martinez, CA 94553
Phone (510) 372-3700 • Fax (510) 372-6955

\1428\012821

Reinholdt & Associates
P. O. Box 271943
Concord, CA 94527
Attn: Darin Reinholdt
Project Manager

Date Sampled: 07-19-93
Date Received: 07-20-93
Date Analyzed: 07-21-93

<u>Sample</u> <u>Number</u>	<u>Sample</u> <u>Description</u>	<u>Detection</u> <u>Limit</u> ppm	<u>SOIL</u> <u>Total Petroleum</u> <u>Hydrocarbons as Diesel</u> ppm
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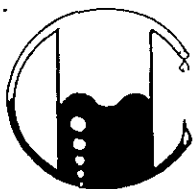
Tharco - San Lorenzo
2222 Grant Ave.

073140	1	5.0	<5.0
073141	2	5.0	26

Note: Analysis was performed using EPA method 3550 and TPH LUFT.
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director



MOBILE CHEM LABS INC.

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Phone (510) 372-3700 • Fax (510) 372-6955

\1428\012821

Reinholdt & Associates
P. O. Box 271943
Concord, CA 94527
Attn: Darin Reinholdt
Project Manager

Date Sampled: 07-19-93
Date Received: 07-20-93
Date Analyzed: 07-21-93

Sample Number

073140

Sample Description

Tharco -- San Lorenzo
2222 Grant Ave.
1 SOIL

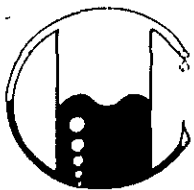
ANALYSIS

	Detection Limit	Sample Results
	----- ppm	----- ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	<0.005
Toluene	0.005	<0.005
Xylenes	0.005	<0.005
Ethylbenzene	0.005	<0.005

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director



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\1428\012821

Reinholdt & Associates
P. O. Box 271943
Concord, CA 94527
Attn: Darin Reinholdt
Project Manager

Date Sampled: 07-19-93
Date Received: 07-20-93
Date Analyzed: 07-21-93

Sample Number

073141

Sample Description

Tharco - San Lorenzo
2222 Grant Ave.
2 SOIL

ANALYSIS

	Detection Limit	Sample Results
	ppm	ppm
Total Petroleum Hydrocarbons as Gasoline	1.0	<1.0
Benzene	0.005	0.010
Toluene	0.005	<0.005
Xylenes	0.005	0.039
Ethylbenzene	0.005	0.007

QA/QC: Duplicate Deviation is 7.7%

Note: Analysis was performed using EPA methods 5030 and TPH
LUFT with method 8020 used for BTX distinction.
(ppm) = (mg/kg)

MOBILE CHEM LABS

Ronald G. Evans
Lab Director

WHSE

ENTRANCE

CYCLONE FENCE

STORAGE AREA

THARCO
2222 GRANT AVE.
SAN LEANDRO, CA 94580

ABOVE-GROUND
PROPANE TANK

GUARD POSTS

VENT
PUMP

VENT END OF TANK

FILL
PIPE
END

2000 GALLON DIESEL
UNDERGROUND TANK

PARKING LOT

SCALE
1" = 25'

VEHICLE
ENTRANCE

WORTHLEY DR.

GRANT AVE.

