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3/1/94

TANK REMOVAL REPORT
PAINT THINNER TANK
HEATING OIL TANK
DIESEL TANK
4525, 4529 & 4549 Horton Street
Emeryville, California

Project No. 113093

# MANAGEMENT AND CONSULTING









California Registered Environmental Assessors California Certified Engineering Geologist Oregon Registered Engineering Geologist Oregon Registered UST Soil Cleanup Supervisors

## TANK REMOVAL REPORT

# 4525, 4529 & 4549 Horton Street Emeryville, California

March 1 1994

# Prepared For:

Harvey M. Rifkin, Trustee of the Harvey M.Rifkin Living Trust Dated March 11, 1987 Robert Rifkin, Harvey Rifkin, as Trustee of the Estate of Beatrice L. Rifkin, deceased, Robert Kantor and Sandra Kantor

c/o Mr. Frank Satterwhite, Receiver 3220 Monika Lane Hayward, California 94541

Report Prepared By:

TMC Environmental, Inc. 13908 San Pablo Ave., Suite 101 San Pablo, California 94806

Mark Youngkin, Vice President TMC Job Number: 113093

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4525, 4529, & 4549 Horton Street, Emeryville, California

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## TANK REMOVAL REPORT

4525, 4529 and 4549 Horton Street, Emeryville California

#### TANK REMOVAL SUMMARY

Bay Area Tank Removal, Inc. (BATR) of San Francisco, California removed three underground petroleum storage tanks from the sidewalk at 4525, 4529, and 4549 Horton Street, Emeryville, California. The tank at 4525 Horton Street was a 1500 gallon diesel tank. The tank at 4529 Horton Street was a 500 gallon paint thinner tank. The tank at 4549 Horton was a 1500 gallon heating oil tank. The age of the tanks appears to be 30-40 years. On November 24, 1993, the tanks were removed with a backhoe and loaded onto trucks for transport and cleaning at the H & H Ship Service facility in San Francisco, California.

The 1500 gallon diesel tank was corroded with obvious holes. The bottom of the tank pit contained green colored soil with no odor. The product and vent lines occurred at the southwest end of the tank against the adjacent building wall. The pinched off product line protruded from the ground with no dispenser. BATR removed the product line, vent, and vent lines. Two soil samples were recovered from beneath the tank, one beneath each end of the tank. Inspector Susan Hugo directed the recovery of three additional soil samples from the apparently stained side walls of the tank pit. The sample analysis results indicate non detectable concentrations of diesel range or gasoline range hydrocarbons on the tank pit bottom and side walls.

The 1500 gallon heating oil tank was corroded with obvious holes. Obvious soil contamination occurred in the bottom of the tank pit. No soil samples were collected below the tank because of the obvious heating oil soil contamination.

The 500 gallon paint thinner tank was corroded with obvious holes. Obvious odor was observed in the tank pit. BATR recovered two soil samples from the paint thinner tank pit, one from beneath the center of the tank and one from the northwest side wall. The laboratory reported the bottom sample to have a concentration of 10,000 ppm gasoline range hydrocarbon.

BATR stockpiled the overburden soil from the three tank pits on site for laboratory analysis and disposal. The diesel tank pit was filled with imported back fill material and resurfaced with concrete. The heating oil and paint thinner tank pits were left open for later source removal work.

#### SITE LOCATION

The subject property, called the "Site" in this report, is located at the following address ( see plate 1, site vicinity map):

4525-4563 Horton Street, City of Emeryville County of Alameda, State of California Assessor's Parcel No. 49-1041-005

The entire property is occupied by one large building. Multiple businesses and addresses occur within the building. The underground tanks occurred in the sidewalk at 4525, 4529, and 4549 Horton Street (see plate 2, site map).

#### SITE DESCRIPTION

The site is on Horton Street between 53<sup>rd</sup> and 45<sup>th</sup> Streets (see Plate 1, Site Vicinity Map), and is rectangular in configuration. The site is currently developed, with an existing two story, brick walled, commercial building (see Plate 2, Site Plan). The building occupies the majority of the one acre property. The Site is bordered to the north by Chiron International Research Corporation, to the south by the Sherwin Williams Paint Company, to the east by Horton Street and Chiron, and to the west by railroad tracks and the foundation of a dismantled building. Temescal Creek runs through a culvert beneath the building. Public utilities service the general area. Land use of the surrounding area is commercial and industrial.

#### PROPERTY OWNER

The property owners for this site are:

Harvey M. Rifkin, Trustee of the Harvey M. Rifkin Living Trust Dated March 11, 1987.

Robert Rifkin, Harvey Rifkin, as Trustee of the Estate of Beatrice L. Rifkin, deceased,

Robert Kantor and Sandra Kantor

c/o Mr. Frank Satterwhite, Receiver 3220 Monika Lane Hayward, California 94541

## CONSULTANT OF RECORD

The consultant of record for this project is:

TMC Environmental Inc. 13908 San Pablo Avenue, Suite 101 San Pablo, California 94806

Mr. Tom Edwards, president or Mr. Mark Youngkin, vice president can be reached at (510) 232-8366.

## LEAD IMPLEMENTING AGENCY

The lead implementing agency with jurisdiction over this site is:

County of Alameda, Health Care Services Agency Department of Environmental Health UST Local Oversight Program 80 Swan Way, Room 200, Oakland, California

The officer overseeing this case is Ms. Susan Hugo, who can be reached at (510) 271-4320. The agency will review the report on a case by case basis using local health regulations and guidelines specified in the Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, California Regional Water Quality Control Board, San Francisco Bay Region. It is the responsibility of the underground tank program to issue a letter for completion or require additional investigation and clean up for this site.

#### RECENT TANK REMOVALS

Bay Area Tank Removal, Inc. (BATR) of San Francisco, California removed three underground petroleum storage tanks from the sidewalk on Horton Street. BATR acquired, completed and submitted tank removal permits, as required by the City of Emeryville Department of Public Works and the Alameda County Health Care Services Agency (BATR job number 9280). The tank at 4525 Horton Street was a 1500 gallon diesel tank. The tank at 4529 Horton Street was a 500 gallon paint thinner tank. The tank at 4549 Horton was a 1500 gallon heating oil tank. The age of the tanks appears to be 30-40 years. About seven inches of petroleum contaminated water remained in each tank.

An inspector, Susan Hugo from the County of Alameda, and personnel from TMC Environmental, Inc. were on site to witness the tank removal and sampling. BATR personnel exposed the top of the tanks. On November 17 and 24, 1993, BATR provided for the evacuation of 2000 gallons of residual petroleum, contaminated water, and recent rinse water from the respective tanks. The residual fluids were pumped out by H & H Ship Service Company (H & H) of San Francisco, California. BATR then removed the overburden materials (concrete, soil, etc.) covering the tanks. Pavement materials were disposed of off site. Remaining overburden materials were placed in

stock piles on site for sampling and disposal. On November 24, 1993, the tanks were purged with dry ice (to lessen any potential explosion hazard). The tanks were then removed from the excavations and loaded onto trucks for transport and cleaning at the H & H Ship Service company transport, disposal, and storage facility in San Francisco, California.

## CONDITION OF UNDERGROUND TANKS

## CONDITION OF DIESEL TANK

The 1500 gallon diesel tank (Tank 1) had dimensions of five feet diameter by 10 feet length with a burial depth of 32 inches. The 1500 gallon diesel tank was corroded with obvious holes. Green colored soil occurred in the bottom of the tank pit, but no obvious odor was observed. The product and vent lines were located at the southwest end of the tank. The former dispenser and vent location was against the adjacent building wall about 3 feet from the tank. The product line was protruding from the ground and no dispenser was present. The product line, vent, and vent lines were removed. Two soil samples were recovered from beneath the tank, one beneath each end of the tank. Susan Hugo directed the recovery of three additional soil samples from the apparently stained side walls of the tank pit. The sample analysis results indicate non detectable concentrations of diesel range or gasoline range hydrocarbons remain on the tank pit bottom and side walls. No groundwater was observed in the tank pit. Following sampling and analysis, BATR filled the tank pit with imported material and resurfaced the sidewalk with concrete.

#### CONDITION OF PAINT THINNER

The 500 gallon paint thinner tank (Tank 2) had dimension of 3 1/2 feet diameter by 7 feet length with a burial depth of 48 inches. The tank was observed to be corroded with obvious holes. Obvious odor was observed in the tank pit. Two soil samples were collected from the paint thinner tank pit, one from beneath the center of the tank and one from the northwest side wall. The laboratory reported the bottom sample to have a concentration of 10,000 ppm gasoline range hydrocarbon. No groundwater was observed in the tank pit. The tank pit was left open for later source removal.

#### CONDITION OF HEATING OIL TANK

The 1500 gallon heating oil tank (Tank 3) had dimensions of five feet diameter by 10 feet length with a burial depth of 48 inches. A product and return line was connected to the north end of the tank. These lines entered the building foundation. The lines were cut off and pinched at the foundation wall. The vent line was connected to the south end of the tank. The vent is located inside the adjacent building wall. The vent line was cut and pinched at the building wall. The 1500 gallon heating oil tank was observed to be corroded with obvious holes. Obvious soil contamination was present in the bottom

of the tank pit. No soil samples were collected below the tank because of the obvious heating oil contamination of back fill. No groundwater was observed in the tank pit. The tank pit was left open for later source removal.

# RESULTS OF TANK REMOVAL SOIL SAMPLING

After removal of the tanks, the backhoe recovered soil samples from beneath two of the tanks. Two soil samples (1-S and 1-N) were recovered from beneath the 1500 gallon diesel tank (Tank 1), one beneath each end of the tank. Susan Hugo directed the recovery of three additional soil samples (1-EW, 1-NW, and 1-SW) from the green colored side walls of the diesel tank pit. Two soil samples (2-B and 2-NW) were collected from the paint thinner tank pit (Tank 2), one from beneath the center of the tank (2-B) and one from the northwest side wall (2-NW). No soil samples were collected below the heating oil tank (Tank 3) because of the obvious heating oil contamination of back fill beneath the tank.

The samples were submitted to an on site, State-certified mobile laboratory, Geochem Environmental Laboratories of San Jose, California, for chemical analysis. The soil samples were chemically analyzed for total petroleum hydrocarbons (TPH) as diesel and gasoline with benzene, toluene, ethylbenzene, and total xylenes distinction (BTEX). The two samples from the paint thinner tank pit were also analyzed for organic lead and one of the samples for volatile organic compounds. The sample analysis results are presented below in Table 1, Tank Removal Sample Results, and in the attachments.

#### TABLE 1 TANK REMOVAL SOIL SAMPLING

Underground Storage Tank Address:

Sample collection date:

Type of soil collected in samples:

4525 & 4529 Horton Street

November 24, 1993

clay-silt

SAMPLE LABEL	DEPTH INCHES	DIESEL mg/Kg, ppm	GASOLINE mg/Kg, ppm	BENZENE mg/Kg, ppm	TOLUENE mg/Kg, ppm	ETHYL BENZENE mg/Kg, ppm	TOTAL XYLENES mg/Kg, ppm
Tank 1 S	102	ND<1	ND<1	ND<0.01	ND<0.01	ND < 0.01	ND < 0.01
Tank 1 N	102	ND<1	ND<1	ND < 0.01	ND < 0.01	ND < 0.01	ND<0.01
Tank 1 EW	90	ND<1	ND<1	ND<0.01	ND < 0.01	ND < 0.01	ND<0.01
Tank 1 NW	90	ND <1	ND<1	ND<0.01	ND<0.01	ND<0.01	ND < 0.01
Tank 1 SW	90	ND<1	ND<1	ND<1 ND<0.01 ND<0.01 N		ND < 0.01	ND < 0.01
Tank 2 B	84	ND<1	10,000	0,000 ND<0.01 4.0 12.4		12.4	12.4
Tank 2 NW	72	ND<1	ND<1	0.1	ND < 0.01	ND<0.01	0.4

ND = NOT REPORTED ABOVE LABORATORY REPORTING LIMIT

TANK 1 - 1500 GALLON DIESEL TANK

TANK 2 - 250 GALLON PAINT THINNER TANK

TANK 3 - 1500 GALLON HEATING OIL TANK - NO SAMPLES COLLECTED

The laboratory reported no detectable TPH as diesel in the soil samples from the diesel tank pit. The soil sample, #2-B, below the paint thinner tank, was reported at a concentration of 10,000 ppm gasoline range hydrocarbon. No organic lead or volatile organic compounds were detected beneath the paint thinner tank.

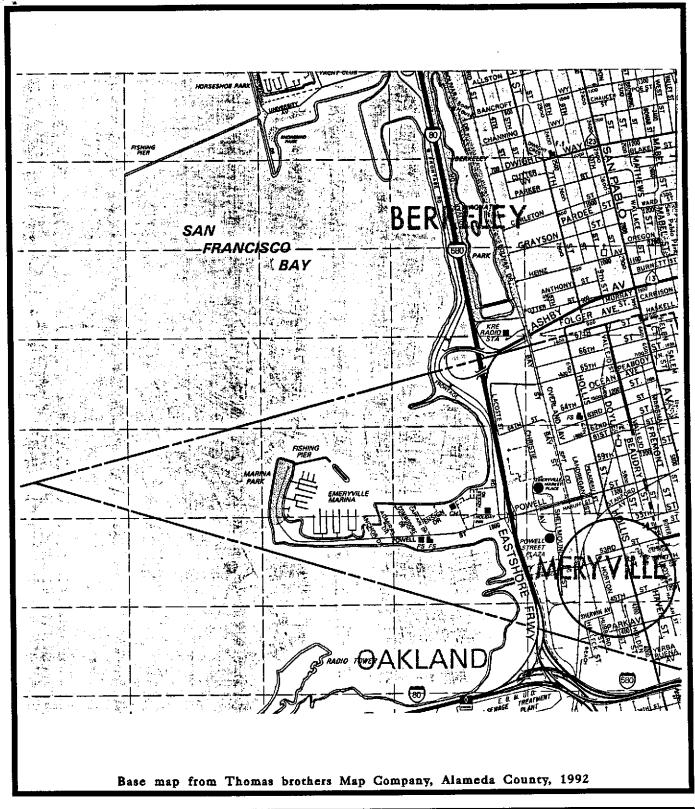
BATR filled the diesel tank pit (Tank 1) with imported material then resurfaced the sidewalk with concrete. The heating oil and paint thinner tank pits were left open for later source removal. Overburden soil from all three tanks was stockpiled on site for sampling, analysis, and disposal.

# DISPOSAL OF CONTAMINATED WASTE

On November 17 & 24, 1993, about 2000 gallons of residual petroleum, contaminated water, and rinse water was pumped from the interior of the three underground tanks by H & H Ship Service of San Francisco, California. On November 24, 1993, the three underground storage tanks were transported for recycling by H & H Ship Service to their cleaning and recycling facility in San Francisco, California. The total amount of overburden soil from the three tank removals was about 36 cubic yards. The overburden soil was transported by Den Beste Trucking company to the Browning Ferris Industries (BFI) Landfill in Livermore, California for disposal on December 7, 1993. Attachment 3, waste manifests, contains the documentation for the disposal of wastes.

## LIMITATIONS

The procedures and opinions in this workplan agree with professional practice as provided guidelines of the California Regional Water Quality Control Board for addressing fuel leaks from underground tanks. This workplan is only part of the ongoing work required by the lead implementing agency at this site. The lab test results rely on limited data collected at the sampling location only. Budget constraints restrict the amount of testing allowed. The lab test results do not apply to the general site as a whole. Therefore, TMC cannot have complete knowledge of the underlying conditions at the conclusion of the work specified in the workplan. The professional opinion and judgment in the report is subject to revisions in light of new information. We do not state or imply any guarantees or warranties that the subject property is or is not free of environmental impairment.





# SITE VICINITY MAP

Tank Removal Report

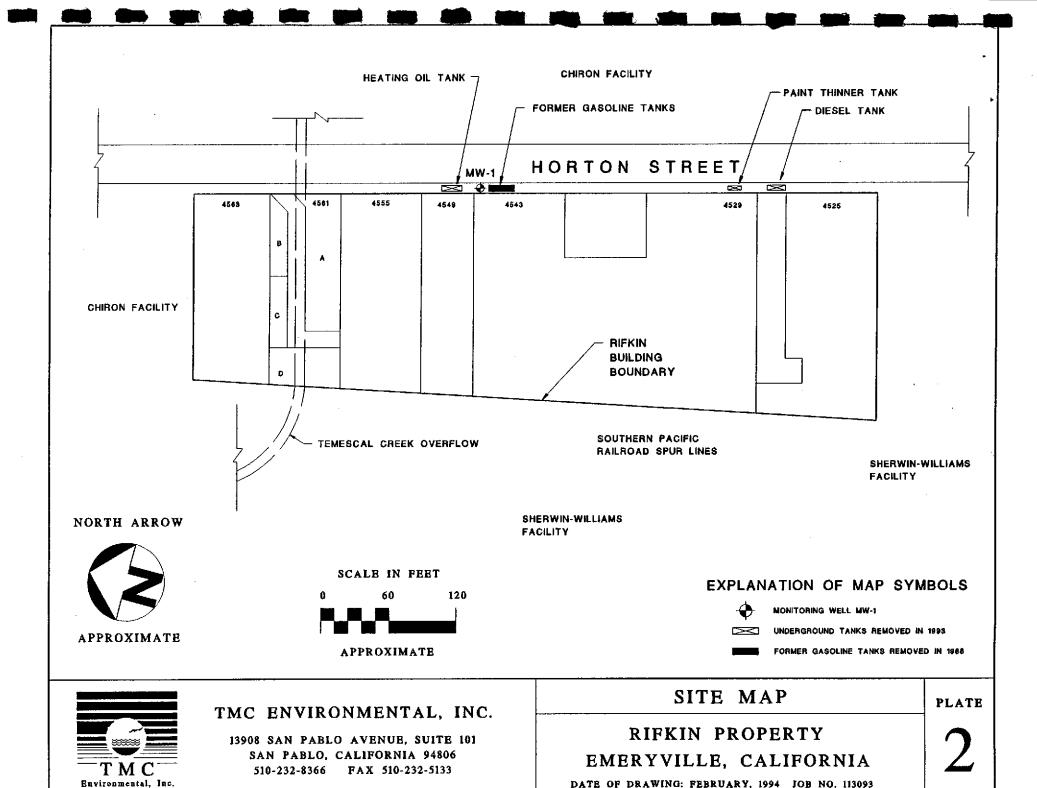
4525-4563 Horton Street Emeryville, California

Project No. 1-13093

February 1993

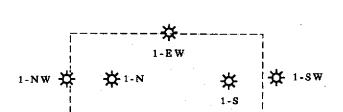
# PLATE

 $\prod$ 



# HORTON STREET

S
i
d
e
Paint Thinner Tank
w
a
l
k
z-NW
A
r
e



Diesel Tank

Building Foundation

4529 Horton St.

4525 Horton St.

LEGEND

0-NW Tank removal sample location

Scale in feet ----



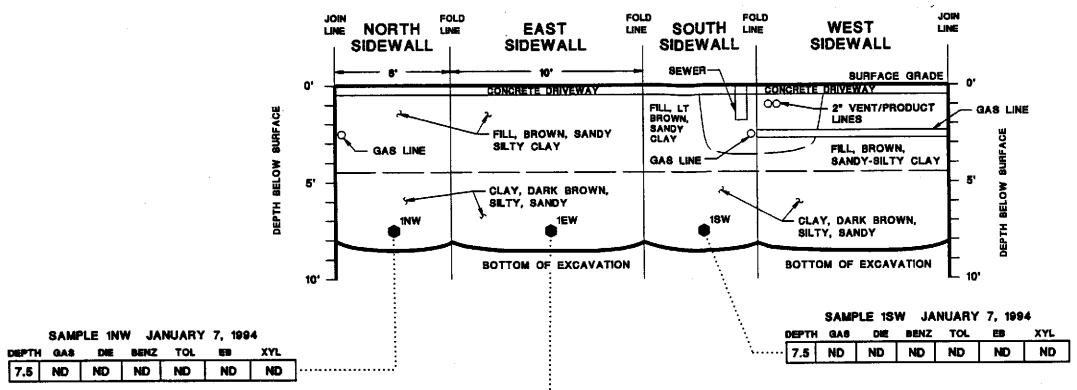
# TANK REMOVAL SAMPLING PLAN

Rifkin Property
4525-4563 Horton Street
Emeryville, CA
Project No. 1-13093 Jan 1994

PLATE

3

# FOLD OUT DIAGRAM OF EXCAVATION SIDEWALLS EXCAVATION DATE JANUARY 7, 1994



SAMPLE 1EW JANUARY 7, 1994

DEPTH	GA8	DIE	BENZ	TOL	EB	XYL
7.5	ND	ND	ND	ND	ND	ND

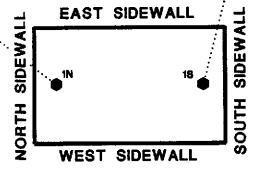
SAMPLE 18 JANUARY 7, 1994

1	DEPTH	GAS	DIE	BENZ	TOL	EB _	XYL
••	8.5	ND	ND	ND	ND	ND	ND

SAMPLE IN JANUARY 7, 1994

			•••		.,	•
DEPTH	GAS	DÆ	BENZ	TOL	EB	XYL
8.5	ND	ND	Ø	ND	ND	ND

SURFACE VIEW LOOKING DOWN AT BOTTOM OF EXCAVATION



# EXPLANATION OF MAP SYMBOLS

SOIL SAMPLE CHEMICAL ANALYSIS RESULTS IN MG/KG (PPM)
SAMPLE LABEL AND SAMPLE DATE

1NW	DEPTH					EB	XYL
•	DEPTH BN FEET	TPH	TPH DESEL	PENZBE	TOLLENE	ETHYL BENZENE	TOTAL XYLENES

NL - NOT LISTED IN REPORTS

ND = NOT DETECTABLE AT OR ABOVE REPORTING LIMIT
NA = NO LABORATORY ANALYSIS OF SOIL SAMPLE

EXCAVATION LIMIT SOIL SAMPLE WITH LABORATORY RESULTS

--- CONTACT BETWEEN SOIL, ROCK, OR FILL MATERIALS

# NOTES AND LIMITATIONS

THE TABLES AND SUMMARIES OF CHEMICAL DATA PROVIDE A QUICK REFERENCE TO THE MORE COMPLETE INFORMATION IN THE TECHNICAL REPORTS AND CERTIFIED LABORATORY REPORTS.

THE DIAGRAM WAS NOT SURVEYED OR DRAWN BY A STATE LICENSED SURVEYOR. THE PROPERTY AND OTHER BOUNDARIES THAT MAY BE SHOWN CAN NOT BE USED FOR CONSTRUCTION OR CONSTRUCTION DESIGN.

HORZ SCALE - VERT SCALE
SCALE IN FEET





# TMC ENVIRONMENTAL, INC.

13908 SAN PABLO AVENUE, SUITE 101 SAN PABLO, CALIFORNIA 94806 510-232-8366 FAX 510-232-5133

# EXCAVATION LIMIT DIAGRAM WITH SAMPLE LOCATIONS

DIESEL TANK REMOVAL 4525 HORTON ST. EMERYVILLE, CA

DATE OF DRAWING: JANUARY 30, 1994 JOB NO. 1-13093

PLATE



# ATTACHMENT 1

# ANALYTICAL LABORATORY REPORTS CHAIN-OF-CUSTODY FORMS



Mobile & In-House Laboratories Certified by State of California
Phone: (408) 955-9988 / FAX: (408) 955-9538
ANALYTICAL REPORT

Page: 1 of 1 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Date Sampled: 11/24/93 Date Received: 11/24/93 Client: Bay Area Tank Removal 254 Clara St. Date Analyzed: 12/02/93 San Francisco, CA 94107 Batch: SA-299.1 Matrix: Soil Attn: Marc Edwards Conc. Unit mg/kg (ppm) Project: 4525 Horton (Proj.#9280) "ND" means 'not detected" at indicated detection limit. B:benzene, T:toluene, E:ethylbenzene & X:total xylenes.

Samples received at job-site with a chain of custody record.

8015M/TPH 8015M/TPH 8020 / E / X Diesel Gasoline SAMPLE I.D. DETECTION 0.1 ppm 1 ppm LIMIT l ppm ND ND / ND / ND North SP ND ND ND / ND / ND / South SP ND ND ND #1 S ND ND ND / ND / ND / ND / ND / ND ND ND / ND . N ND / ND ND / ND / BM ND ND ND / ND ND ND ND / ND / NW ND / ND / ND ND SW ND ND / 4.0 /12.4 /12.4 10000 #2 B ND ND / ND / 0.4 0.1 / #2 NW ND ND

Reviewed and approved by George Tsai, Reberatory Director



Mobile & In-House Laboratories Certified by State of California Phone: (408) 955-9988 / FAX: (408) 955-9538 ANALYTICAL REPORT

Client: Bay Ar 254 Cl San Fr Attn: Marc E Project: 4525 ***********************************	ara St. ancisco, CA dwards Horton (Pro- ************************************	Date Sampled: 11/24/93 Date Received: 11/24/93 Date Analyzed: 12/07/93 Batch: SA-299.1 Matrix: Soil
DETECTION		
LIMIT	l ppm	
9280 NSP	12	Soil Ale samples
9280 SSP	13	Jell Me sample 5

Reviewed and approved by Sorge Tsai, Laboratory Director



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ANALYTICAL REPORT

			Page: 1 of 1	
****	*****	****	*****	k
	Bay Area Ta 254 Clara S San Francis	St. Sco, CA 94107	Date Sampled: 11/24/93 Date Received: 11/24/93 Date Analyzed: 12/06/93	
Attn:	Marc Edward	ls	Batch:Sa-299.1 Matrix: Soi. Conc. Unit mg/kg (ppm)	ł
Project:	: 4525 Horto	n (Proj.#9280)		
*****	****	****	*******	×
B:benze	ene, T:tolue received a	ene, E:ethylbenz at job-site with	ated detection limit. ene & X:total xylenes. a chain of custody record.	
	Oro	ganic		
SAMPLE	I.D.	Lead		
DETECT: LIMI		ppm		_
#2 B		ИD		
#2 N	N	ND	•	

Reviewed and approved by Gorge Fai, Laboratory Director



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#### ANALYTICAL REPORT

Test Method: EPA 8010 \*\*\*\*\*\*\*\*\*\*\* Date Sampled: 11/24/93 Client: Bay Area Tank Removal 254 Clara St. Date Received: 11/24/93 Date Analyzed: 12/06/93 San Francisco, CA 94107 Batch: SA-299.1Matrix: Soil Attn: Marc Edwards Conc. Unit: ug/kg (ppb) Project: 4525 Horton (Proj.#9280) \*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\* "ND" means "not detected" at indicated detection limit Samples received chilled with a chain of custody record. Detection limit for each compound is 5 ppb.

SAMPLE I.D.:	9280 #2 B	
Bromodichloromethane Bromoform Bromomethane Carbon Tetrachloride Chlorobenzene Chloroethyl Vinyl Ether. Chloroform Chloromethane Dibromochloromethane Dichlorodifluoromethane 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane 1,2-Dichloropropane 1,2-Dichloropropane Cis-1,3-Dichloropropene Trans-1,3-Dichloropropene		
1,1,2-Trichloroethane Trichloroethene Trichlorofluoromethane Vinyl Chloride	ND ND ND ND	

Reviewed and approved by George Tsai, Laboratory Director



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#### ANALYTICAL REPORT

Test Method: EPA 8010

\*\*\*\*\*\*\*\*\*\*\*\*

Client: Bay Area Tank Removal 254 Clara St.

Tank Removal Date Sampled: 11/24/93
a St. Date Received: 11/24/93

San Francisco, CA 94107

Date Analyzed: 12/06/93

Attn: Marc Edwards

Batch: B-586 Matrix: Soil Conc. Unit: ug/kg (ppb)

"ND" means "not detected" at indicated detection limit
Samples received chilled with a chain of custody record.

Detection limit for each compound is 5 ppb.

SAMPLE I.D.:	9280	9280	
	NSP	SSP	
Bromodichloromethane	ND	ND	
Bromoform	ND	ND	
Bromomethane	ND	ND	
Carbon Tetrachloride	ND	ND	
Chlorobenzene	ND	ND	
Chloroethane	ND	ND	
2-Chloroethyl Vinyl Ether	ND	ND	
Chloroform	ND	ND	
Chloromethane	ND	ND	
Dibromochloromethane	- ND	ND	
Dichlorodifluoromethane	ND	ND	
1,3-Dichlorobenzene	ND	ND	
1,4-Dichlorobenzene	ND	ND	
1,2-Dichlorobenzene	ND	ND	
1,1-Dichloroethane	ND	NĎ	
1,2-Dichloroethane	ND	ND	
1,1-Dichloroethene	ND	ND	
Trans-1,2-Dichloroethene	ND	ND	
1,2-Dichloropropane	ND	ND	
Cis-1,3-Dichloropropene	ND	ND	
Trans-1,3-Dichloropropene	ND	ND	
Methylene Chloride	ND	ND	
1,1,2,2-Tetrachloroethane	ND	ND	
Tetrachloroethene	ND	ND	
1,1,1-Trichloroethane	ND	ND	
1,1,2-Trichloroethane	ND	ND	
Trichloroethene	ND	ND	
Trichlorofluoromethane	ND	ND	
Vinyl Chloride	ND	ND	

Reviewed and approved by Seorg Tsai, Laboratory Director

# **GEOCHEM** Environmental Laboratories 780 Montague Expressway, Suite 404 San Jose, CA 95131 (408) 955-9988 • FAX (408) 955-9538

CHAIN OF CUSTODY RECORD

Date 11-24-93 Page 1 of 1

# **TESTS REQUIRED**

CLIENT	BATR		PROJEC	) 45	25 H	ατο~				<u></u>	oline				oper of	hace
ADDRESS			I PROJEC	Ť MANA(	GER PPEL			418.1/TRPH	(601)	8015 E/TPH-diesel	8015 M/TPH-gasoline	8020 (602) BTEX	7420/Total Lead	Organic Lead	0108	1 1
SAMPLE I.D.	LOCATION DESCRIPTION	DATE	TIME	AIR	MATRIX WATER		NO. OF CTNR	418.1/	8010 (601)	8015	80151	8020	7420/	Organ	Hatter #1	Archive 5264.
North SP	#9280	11-24				Х		₹.		Х	χ		独	X	X	
Söull SP						Χ		\$		Χ	Χ	Х	蹇	X	X	
#1 5						×		1		x	χ	X				<del></del>
Н						メ		*		X	χ	X				
EW						Х		₹		K	Х	χ				
HW						Х		*		Ϋ́	χ	X				
SW						χ		*		X	χ	χ				-
±2B						χ		346		X	χ	X		X	×	
FZNW				1.		χ		X		X	χ	X		X	t)ha	
Sampled/B	elingatished by:		Received	   by:/)	10 1					<u> </u>	  - 2'	4.93	Dat <b>e</b>	Time	4:00pm	
Relinquishe	Lypsell ed by:		Received	by:	Lings				-				Date	Time	-   -   -   -   -   -   -   -	
Relinquishe	ed by:		Received	l by:				<u>-</u> ,-					Date	Time		
Turnaround 24 hr.	t time: 48 hr. Norma	ıl (3-5 days)	Special I	nstructions	:				1.		-					



# chem environmental Laboratories

Mobile & In-House Laboratories Certified by State of California

Phone: (408) 955-9988 / FAX: (408) 955-9538

ANALYTICAL REPORT

Client: Bay Area Tank Removal

254 Clara St.

San Francisco, CA 94107

Attn: Marc Edwards

Date Sampled: 12/02/93

Date Received: 12/03/93

Date Analyzed: 12/03/93 Batch:SA-299.2 Matrix:Soil

Conc. Unit mg/kg (ppm)

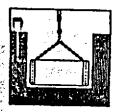
"ND" means "not detected" at indicated detection limit. B:benzene, T:toluene, E:ethylbenzene & X:total xylenes.

Samples received at job-site with a chain of custody record.

Organic 8015M/TPH 8015M/TPH 8020

SAMPLE I.D. Lead Diesel Gasoline B / T / E / X

Reviewed and approved by Js- DEC 5 1993 acorge Tsai, Laboratory Director



# BAY AREA TANK REMOVAL

254 Clara Street San Francisco • California 94107 415-543-2255 • FAX 415-512-0680

# CHAIN OF CUSTODY RECORD ANALYSIS REQUEST FORM

FOR ENVIRONMENTAL SAMPLING

JOB #	JOB ADDRESS:	
9280		SAMPLER:
1200	4549 HORTON STREET	MARC EDWARROS
I ADODATORY NA		15 AILL COWAVERS
PARCHAIGHT NA	ME: GEOCHEM ENVIRONMENTAL LAF	RODATODIES (ANS) DEEDES

LAB ID NO.	SAMPLE NUMBER	SOIL	WATER	DATE	TIME	TVH-GAS BTEX	TEH-DIESEL BTEX	ORGANIC LEAD	·		
	SP-1	×		12/2/93	3:32	,	X			Compr	817E
	SP-1 SP-2	と		I	3:38		1/2				
	NP-1.	<i>ب</i> ح				X	X	X		Compa	5/75
	NP-2	×		12/2/93	3:52	X	K	X		-77.	
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	. ,		•						• • • • • •		
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			<u> </u>			-	<u> </u>				
							_				

rannquisnea By:	F	Recieved By:
(Print Name) Mare Poutros		(Print Name) ED TOZANO
(Signature)	Time: /0:30	(Signature) / /
(Print Name)	Date:	(Print Name)
(Signature)	Time:	(Signature)
(Print Name)	Date:	(Print Name)
(Signature)	Time:	(Signature)
(Print Name)	Date:	(Print Name)
(Signatura)	Tima:	(Signature)

LABORATORY NOTES:

PLEASE INCLUDE SAMPLE CONDITION REPORT WITH RESULTS

PLEASE FAX A COPY OF THE ANALYTICAL RESULTS TO THE FOLLOWING:

BAY AREA TANK REMOVAL AT (415) 512-0680 TMC ENVIRONMENTAL, INC. AT (510) 232-5133

# ATTACHMENT 2 TANK REMOVAL DOCUMENTATION

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

# CERTIFICATE OF DISPOSAL

			NOVE	MBER 29, 1993		
н&н	Ship Service Compa	any hereby co	ertifies to BAY A	REA TANK REMOVAL		
1.	The storage tank(	s), size(s)	TWO (2) 1,5	00 AND		
			ONE (1) 500			
	removed from the	HARVEY RI				
	facility at	4525 HORT	ON STREET			
		EMERYVILL	E, CALIFORNIA			
	e transported to H Francisco, Califo		ice Company, 220 C	hina Basin St.,		
2.	The following tank(s), H&H Job Number 13690					
	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 requir (415) 543-4835 or		formation, please 510.	call		

Very Truly Yours,

Lourdes B. Lopez
Operations Coordinator



# **ENCROACHMENT PERMIT**

CITY OF EMERYVILLE
PUBLIC WORKS DEPARTMENT
(510) 596-4330
2200 POWELL ST., 12TH FLR.
EMERYVILLE, CA 94608

(10-93 THIS SUPERSEDES ALL PREVIOUS FORMS) 93-11-18					
DATE					
COMPANY BAY AREA TANK RELIEVAL					
CONTACT PERSON RANDY MCMANUS PHONE NO. (415) 543-2255  ADDRESS 254 CLARA STREET SAN FRANCISCO, Ca. 94107					
ADDRESS 254 CLARA STREET SAN FRANCISCO, Ca. 94107					
LOCATION OF WORK 4525 & 4549 HORTON STREET					
PLANNED DATE OF $11/22/93$ PLANNED DATE OF COMPLETION $11/27/93$					
DESCRIPTION OF WORK UNDERGROUND TANK REMOVE					
□ 24 HR NOTICE PRIOR □ MONUMENTS TO □ PLAN TO START OF WORK BE REPLACED REQUIRED  REMARKS					
NOTE: IF SUBCONTRACTOR IS TO DO WORK, PROOF OF ADEQUATE INSURANCE MUST BE PRESENTED PRIOR TO START OF WORK OR THIS PERMIT IS VOID.  FOR INSPECTION UPON COMPLETION OF WORK, PLEASE CALL JUAN ARREGUIN AT (510) 596-					
4333. PLEASE REFER TO THE PERMIT NUMBER LISTED ABOVE.					
FOR REFUNDABLE DEPOSIT UPON ENGINEER SIGN-OFF, PLEASE CALL KATHLEEN WALLS AT (510) 596-4336. PLEASE REFER TO THE PERMIT NUMBER LISTED ABOVE.					
INSPECTION COMPLETED ON BY					
REFUNDABLE DEPOSIT RETURNED ONBY					
Sum - America					

CITY ENGINEER

#### FIRE DEPARTMENT CITY OF EMERYVILLE FIRE DEPARTMENT **USE ONLY** 6303 HOLLIS STREET FP-1193-01 EMERYVILLE.CA..94608 (PERMIT NUMBER) (510) 596-3750 Application Received: APPLICATION AND PERMIT Date: 10/18/93 Signed: Permit Issued: THIS APPLICATION IS YOUR PERMIT WHEN PROPERLY FILLED OUT. Date: 10/18/93 SIGNED, VALIDATED AND FEES PAID. Signed ADDRESS: EFD Permit Tupe(s): 4549 Horton Street (see reverse) **BUSINESS NAME:** Commercial Expiration Date : 90 DAYS FROM ISSUE DATE. CONTACT PERSON: Randy McManus TOTAL FEES DUE \$ 125.00 p/ta TELEPHONE NUMBER : (415) 543-2255 MAKE CHECK PAYABLE TO THE CITY OF EMERYVILLE. DESCRIPTION OF OPERATION: FEES ARE ESTABLISHED THRU THE Underground Storage Tank Removal CITY OF EMERYVILLE MASTER FEE SCHEDULE ADOPTED JUNE 1, 1993. COPY AVAILABLE ON REQUEST. Occupancy Group/Division: APPLICANT READ AND SIGN BELOW: (per UBC Table 5A) I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION GIVEN IS TRUE AND CORRECT. I AGREE TO OCCUPANCY TYPE: COMPLY WITH ALL LOCAL ORDINANCES AND STATE LAWS THAT Commercial 🔲 Assembly RELATE TO THIS PERMIT. I HEREBY AUTHORIZE REPRESENTATIVES Educational OF THE CITY TO ENTER UPON THE ABOVE MENTIONED PROPERTY TO Industrial H-class Residential YERIFY COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT, AT ANY REASONABLE TIME. Other Specify: \_\_ ∐ Building Owner Business Operator Bay Area Tank Removal Date of Application :\_ THIS PERMIT MUST BE AVAILABLE FOR INSPECTION AT ALL TIMES

# REVOCATION OF PERMIT

THE CHIEF IS AUTHORIZED TO SUSPEND/REVOKE A PERMIT WHEN THE CHIEF HAS DETERMINED THAT SECTION 4.107, 1991 UFC HAS BEEN VIOLATED.

# POSTING OF PERMIT

PERMIT(S) SHALL BE KEPT ON THE PREMISES DESIGNATED AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION AT ANY TIME BY ANY PERSON(S) WHO ARE AUTHORIZED BY THE CHIEF OF THE EMERYVILLE FIRE DEPARTMENT.

7...

#### FIRE DEPARTMENT CITY OF EMERYVILLE **USE ONLY** FIRE DEPARTMENT 6303 HOLLIS STREET FP-1193-02 EMERYVILLE\_CA.,94608 (PERMIT NUMBER) (510) 596-3750 Application Received: APPLICATION AND PERMIT Date: 10/18/93 Signed: Permit (ssued: THIS APPLICATION IS YOUR PERMIT WHEN PROPERLY FILLED OUT, Date: 10/18 SIGNED, VALIDATED AND FEES PAID. /97<u>) Signed</u> EFD Permit Tupe(s): 4525 Horton Street (see reverse) **BUSINESS NAME:** Commercial Expiration Date: : 90 DAYS FROM ISSUE DATE CONTACT PERSON: Randy McManus TOTAL FEES DUE: TELEPHONE NUMBER : (415) 543-2255 MAKE CHECK PAYABLE TO THE CITY OF EMERYVILLE. DESCRIPTION OF OPERATION: FEES ARE ESTABLISHED THRU THE Underground Storage Tank Removal CITY OF EMERYVILLE MASTER FEE SCHEDULE ADOPTED JUNE 1, 1993. COPY AVAILABLE ON REQUEST. Occupancy Group/Division: APPLICANT READ AND SIGN BELOW: (per UBC Table 5A) I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION GIVEN IS TRUE AND CORRECT. I AGREE TO OCCUPANCY TYPE: COMPLY WITH ALL LOCAL ORDINANCES AND STATE LAWS THAT Commercial 🔲 Assemblu RELATE TO THIS PERMIT. I HEREBY AUTHORIZE REPRESENTATIVES Educational Industrial OF THE CITY TO ENTER UPON THE ABOYE MENTIONED PROPERTY TO H-class Residential YERIFY COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT, AT ANY REASONABLE TIME. Specify:\_ Other 🔲 Building Owner Bay ARea Tank Removal 🔲 Business Operator 🖫 on behalf owner of Date of Application :: This permit must be available for inspection at all times

# REVOCATION OF PERMIT

THE CHIEF IS AUTHORIZED TO SUSPEND/REVOKE A PERMIT WHEN THE CHIEF HAS DETERMINED THAT SECTION 4.107, 1991 UFC HAS BEEN VIOLATED.

# POSTING OF PERMIT

PERMIT(S) SHALL BE KEPT ON THE PREMISES DESIGNATED AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION AT ANY TIME BY ANY PERSON(S) WHO ARE AUTHORIZED BY THE CHIEF OF THE EMERYVILLE FIRE DEPARTMENT.

SUSAN L. HUGO STIP 3827

# ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS MATERIALS DIVISION 80 SWAN WAY, ROOM 200 OAKLAND, CA 94621 PHONE NO. 510/271-4320

ACCEPTED

underground Sterage Tank Closure Permit Application

underground Sterage Tank Closure Permit Application

de Savan Way, Suite 200.

Cakland, CA 9421

Telephone: [Siu] 271-4320

Telephone: [Siu] 271-43

Business Owner
Business Owner
Site Address 4549 Horton Street
City Emeryville , CA Zip 94608 Phone
Mailing Address3220 Monika Lane
City Hayward, CA Zip 94541 Phone (510)727-0282
Land Owner Harvey Rifkin
Address 300 Brannan St #309 City, State S.F., CA Zip 94107
Generator name under which tank will be manifested
Harvey Rifkin
EPA I.D. No. under which tank will be manifested CAC-000-896208

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY DEPARTMENT OF ENVIRONMENTAL HEALTH HAZARDOUS MATERIALS DIVISION 80 SWAN WAY, ROOM 200 CN OAKLAND, 94621

ACCEPTED

MANAGERE OF ENVIRONMENTAL HEALTH 470 - 27th Steat, Third Floor

TC55-478 (4 8) saccepted 7 04U44, CA 91512

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OAKLAND. CV 34621

OAKLAND. CV 31620

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1

UNDERGROUND TANK CLOSURE PLAN Complete according to attached instructions

1.	Business Name Commercial						
	Business Owner						
2.	Site Address _ 4525 Norton Street						
	City Emeryville , CA Zip 94608 Phone						
	Mailing Address3220 Monika Lane						
	City Hayward, CA Zip94541 Phone (510)727-0282						
4.	Land Owner Harvey Rifkin						
	Address 300 Brannan St #309 City, State S.F., CA Zip 94107						
5.	Generator name under which tank will be manifested						
	Harvey Rifkin						
	EPA I.D. No. under which tank will be manifested CAC-000-896200						

ATTACHMENT 3
WASTE MANIFESTS

BFI260-720



# NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENE	RATOR
enerator Name HARVEY RIFKIN	Concreting Location
and the second of the second o	Address 4549 \$4525 HORTON STREET
Address 3220 MONIKA LANE	
HAYWARD, CA. 94541	FMERTVILLE CA. 94608
Phone No. 5/0-7270282	Phone No. 5 1 0 - 2 3 2 8 3 6 C
BFI Waste Code CA 405 120793	Quantity Units No. Type D - Drum
MON-REQUEATED PETROLENA CONTAMINIATED SOIT	C - Carton
	O - Other
	n free liquid as defined by 40 CFR Part 260.10 or any applicable rt 261 or any applicable state law, has been properly described, tation according to applicable regulations.
MARCEONOROS ZE	120797
Generator Authorized Agent Name Signature	Shipment Date
TRANS	PORTER
Truck No. 49	Phone No. (800) 838-1477
ransporter Name DFAI RESTE TRUCKAIG	Driver Name (Print) IEN TALIKE
Address 309 MAILI OT.	Vehicle License No./State SP2048// CA
WINDSON PA.	Vehicle Certification 402686
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.
Priver Signatura Shipment Date	Driver Signature Delivery Date
DEST	NATION
Site Name Readaul - Frank Inconstruct	Phone No.
Site Name READNING FREE INDUSTRICE Address 4001 N. VARS BARD	LIVERLIGHE, CA. 94550
I hereby certify that the above named material has been accepted a	and to the best of my knowledge the foregoing is true and accurate.
Name of Authorized Agent Signature	Receipt Date
	PASS CODE

# MC 364ds No. 955762 ON-HAZARDOUS SPECIAL WASTE MANIFEST

GENE	RATOR
Generator Name HARVEY RIFICIAL	Generating Location
Address 3220 MONTICA LANE	Address 45499 4525 HORTON STREET
HAYWARD, CA. 94541	EMERYVILLE, CA. 94608
Phone No. 510-7270282	Phone No. 510-2328366
BFI Waste Code CA 405 120793  Description of Waste	Quantity Units No. Type D - Drum
NON RECULATED PETROLEUM CONTAMINATE	
NON DOT/RORA REGULATED	P - Pounds Y - Yards O - Other
	n free liquid as defined by 40 CFR Part 260.10 or any applicable rt 261 or any applicable state law, has been properly described, tation according to applicable regulations.
Marc EDWARDS 2/5	120793
Generator Authorized Agent Name Signature	Shipment Date
Truck No. 24	Phone No. (800) 838-1477
Transporter Name DEN BESTE TRUCKING	Driver Name (Print) WIKE Baxing W
Address 404 Maile Cl	Vehicle License No./State 5/27464
·	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  Driver Signature  Shipment Date	Driver Signature Delivery Date
DESTI	NATION
Site Name BROWNING - FERRIS INDUSTRI	Phone No. 5/0 -449/
Site Name BROWNING - FERRIS INDUSTRA Address 4001 N. VASCO PORD L	VERMORE, CA. 94550
I hereby certify that the above named material has been accepted a	and to the best of my knowledge the foregoing is true and accurate.
Name of Authorized Agent Signature	Receipt Date
	PASS CODE

DO NOT WRITE BELOW THIS LINE.

1 1 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name

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

DO NOT WRITE BELOW THIS LINE

Month

Day

Year

Y

Fbi	1. Generator's US EPA ID No. Mo	nifest Documer	t No	2. Page 1	Information in the sho	ded areas				
Ì	UNIFORM HAZARDOUS	MITTER DOCUMEN		2. / Gg#	is not required by Fed					
l	WASTE MANIFEST   C A C 0 0 0 8 9 6 2 0 8 1	9 7	1417	r of 1						
	3. Generator's Name and Mailing Address	· · · · · · · · · · · · · · · · · · ·	A. Store	Monifest Document	Number of Appendicat					
ļ	HARVEY RIFKIN / c/o FRANK SATTERWHITE AS RECEIVED	1			92219	747				
l	3220 Monika Lane, Hayward, CA 94541			Generator's ID::		araraalaar lark a.				
Į			The state of the s							
	4. Generator's Phone (510) 727-0282									
ļ	5. Transporter   Company Name 6. US EPA ID Number		C State Transporter's ID402003							
1	In a region Company of it in to to to 12 in	ia ic io	D. Tronsporter's Phone							
l	H & H Ship Service Company	11 16 18	E Store Transporter's ID 2 agr 252							
١.	7. Transporter 2 Company Name 8. US EPA ID Number		The second secon							
Ì		1	f.*:Tronsp	orter's Phone						
l	Designated Facility Name and Site Address     10. US EPA ID Number	<del></del>	G :: State Facility's (D							
ı	9. Designated Facility Name and Site Address 10. US EPA ID Number PRC PATTERSON, INC.		C1A1D10-893-11676-7-7-18-5							
1	13331 N. Highway 33		H.VFocilit	/s:Phone 3573 & 8003 874 =						
ł	Patterson, CA. 95363  C  A  D  0  8  3  1  6  6	17 12 18	1500	80012874	West and the					
1		12. Con		13. Total	14. Unit le Commo					
	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	No.	Type	Quantity	Wt/Vol to Waste	chumber 25				
-	ATT AND MATER				State 24	1 22 3 - 22				
1	OIL AND WATER			1.		20.756.6796				
G .	NON-RCRA HAZARDOUS WASTE LIQUID	0 0 1	T <sub>i</sub> T	0/1000	G PAGE	<b>F 1 2 2 2 3 3 3 3 3 3 3 3 3 3</b>				
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					all the second					
					Land State State					
l					2 -					
•	15." Special Handling Instructions and Additional Information									
l	JOB::≢13689	OB SITE	. ua	RVEY RIFK	TX					
1	24 Hr. Emergency Contact: H & H #(415) 543-4835	OD SIII								
ı	APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR			49 Horton						
1					California					
ŀ	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully packed, marked, and labeled and are in all seconds.	and accurately	y 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	y according to	applicable	: 160eral, state and	mernononal igws.					
	If I am a large quantity generator, I certify that I have a program in place to reduce the value	me and taxic	ity of was	te generated to the	degree I have determ	nined to be				
l	economically practicable and that I have selected the practicable method of treatment, storage.	or disposal cu	arrently ave	nijobje to me which	minimizes the present	and future				
ŀ	threat to human health and the environment; OR, if I am a small quantity generator, I have so waste management method that is available to me and that I can officed.	ice a good fa	ज्ञाः effort । /	io minimize my yro	isse generation and sele	ect me Desi				
	Primpd/Typpd Name / 1/45 AALTOT Signature X/		<i>y</i> , ,	· ///	Month Do	cy Year				
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T T	20. Facility Owner or Operator Certification of receipt of hazardous materials covered Within tharpte	st except of ne	oted in Item	19.						
۲	Signature //				Month Do	y Year				
	MYTHIAW MOONS / WILL	$V_{\Delta}$				11713				
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IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-88021 WITHIN CALIFORNIA, CALL 1-800-852-7550