

PACIFIC RIM ENVIRONMENTAL

Post Office Box 192972 San Francisco, CA U.S.A. 94119 Phone: 415-255-0860 Fax: 415-431-0334

ALCO HAZMAT 94 FEB -3 PM 12: 19

Tank Closure Report

Prepared for:

Mr. Richard Croop 436 14th Street, Suite 305 Oakland, California 94612

Prepared By:

Pacific Rim Environmental P.O. Box 192972 San Francisco, California

Project Location:

2901 Glasscock Avenue Oakland, California

Don W. James **Project Manager** Pacific Rim Environmental

January 21,1994

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1.0 Introduction

Pacific Rim Environmental (Pacific Rim) has been contracted to prepare a closure report for two underground fuel storage tanks (USTs) removed from 2901 Glasscock Avenue in Oakland California. This report documents the excavation, removal, sampling and analytical results for soil and water samples collected from the tank excavations. Also included in the report are the invoices and manifests for the disposal of the tanks and soils.

2.0 Scope of Services

Pursuant to the contract dated on November 11, 1992 and subsequent directions of the partners, Pacific Rim performed the following services:

- Excavation and removal of two underground storage tanks.
- Collection and submittal for laboratory analysis of soil samples taken from tank excavations.
- Overexcavation of tank pits.
- Installation of soil borings and monitoring of the expanded excavations.
- Removal of stockpiled soils.
- Wrote and submitted a tank closure report.

3.0 Background

The subject property is comprised of a small strip of undevelope land and a large warehouse. The property sits upon the Oakland estuary in Oakland, California. Under permit from the Alameda County Environmental Health Department, Pacific Rim was contracted to remove two underground storage tanks (USTs) and the associated piping at the site which included a 4,000 gallon fuel oil tank and a 20,000 gallon fuel oil tank, The owners believe the tanks have been out of operation for approximately thirty years. Both tanks previously contained fuel oil used to run machinery in the warehouse.

4.0 Field Activities

4.1 Removal of the 4000 gallon tank (tank #1) and sampling

On February 22, 1993 Pacific Rim commenced excavation around tank #1 at the Glasscock Avenue Warehouse. The tank was removed from the excavation and the site on February 23, 1993 under the supervision of Alameda County personnel.

The tank had experienced some corrosion but was generally in good condition. The tank was manifested, hauled away, and destroyed by the subcontractor (see attached Appendix B).

Under the guidance of Alameda County Environmental Health Department, two undisturbed soil samples were collected from 18 inches beneath the tanks. Samples were taken directly from the backhoe bucket, stored in brass sleeves, sealed with teflon liners and end caps. The two samples were then labeled and placed on ice at 4 degrees Celsius and transported according to the United States Environmental Protection Agency (USEPA) protocol to a State of California Department of Health Services (DOHS) certified laboratory. Sample identification and chain- of- custody procedures were utilized for the sample possession from the time of collection to the laboratory. All sampling equipment was washed with a non-phosphate cleanser, pre-rinsed with tap water and finally rinsed with de-ionized water prior to sampling. (Analytical reports and chain-of-custody reports are presented in Appendix A).

4.2 Removal of 20,000 gallon tank (tank #2) and sampling

On February 24,1993 Pacific Rim commenced excavation around tank #2 at the Glasscock Avenue Warehouse. The tank was removed from the excavation and site on February 26, 1993 under the supervision of Alameda County personnel.

The tank had experienced some corrosion but was intact. The tank was manifested, hauled away and destroyed by the subcontractor. (The manifest is presented in Appendix D). Four soil samples and four water samples were collected from the excavation. The samples were labeled and placed on ice at four degrees Celsius and transported according to the United States Environmental Protection Agency (USEPA) protocol to a State of California Department of Health Services (DOHS) certified laboratory. Sample identification and chain- of- custody procedures were utilized for the sample possession from the time of collection to the laboratory. All sampling equipment was washed with a non-phosphate cleanser, pre-rinsed with tap water and finally rinsed with de-ionized water prior to sampling. (See the chain- of- custody and laboratory analysis reports that are presented in Appendix C).

4.3 Overexcavation

The Glasscock Avenue Partners instructed Pacific Rim to resume excavation activities in both tank pits. This activity was performed in hopes of removing petroleum contaminated soils from both excavations to eliminate the need for future investigation or remediation. Pacific Rim excavated for two days and monitored excavated soils with an organic vapor analyzer (OVA) for petroleum hydrocarbons.

TANK #1

Excavation activities were stopped when it became apparent that further excavation would jeopardize the foundation of the building. Readings from the tank #1 excavation showed continually lower petroleum hydrocarbon levels although non-detect

was never reached. Pacific Rim feels the extent of petroleum hydrocarbon migration from this tank to be minimal. The initially low and declining levels of petroleum hydrocarbon readings within the excavation support this conclusion (see attached Appendix E).

TANK #2

As the Tank #2 excavation was deepened, OVA readings for petroleum hydrocarbons continually declined. Excavation was stopped when the contractor felt further excavation might jeopardize the structural integrity of the building.

A non-detect reading was never reached within the excavation. A plot plan of the excavation is attached as Appendix E.

4.4 Stockpiled Soils

Soils from both tank excavations were stockpiled on the site. Alameda County Environmental Health requested that all stockpiled soils be removed from the site before closure would be granted. On 12/01/93 approximately 198 cubic yards of stockpiled soils were manifested and hauled away by subcontractor. (The manifest and disposal documents are presented in Appendix F).

5.0 Discussion

Pacific Rim believes some additional petroleum hydrocarbon contamination exists around both tank excavations. It is thought that all potential sources of contamination have been removed from the property. Whether further investigation or remedial measures are necessary is up to the discretion of Alameda County Environmental Health and Regional Water Quality Control Board.

6.0 Conclusion

This report has been prepared for the exclusive use of the owners of 2901 Glasscock Avenue. The findings and conclusions rendered in this report are opinions based on laboratory testing of soil samples collected during this project. This report does not reflect subsurface variations which may exist between sampling points. These variations cannot be anticipated nor can they be entirely accounted for even with exhaustive additional testing.

All work has been performed in accordance with generally accepted practices in geotechnical\environmental engineering, engineering geology and hydrology. No other warranty, either expressed or implied, is made.

If you have any questions regarding this report or the information contained herein, please contact this office at your convenience.

APPENDIX A
(Tank # 1 Analytical Report)

CHAIN OF CISTODY FORM Curtis & Tompkins, Ltd. 2323 Fifth Street Sampler: Don JAMES Analyses Berkeley, CA 94710 (510) 486-0900 Phone Report to: _ CANE (510) 486-0532 Fax . 6983 Company: PACIFIC RIM SERVICES INC Project No: Project Name: GLASCOCK TANK 1) Telephone: 415-255-0860 Turnaround Time: NormaL Fax: Matrix Preservative Laboratory # of Sampling Sample ID. Soul Waster H SO HO Number Date Time Con-Field Notes d+ 80 tainers 00 2-23 110178-1 NTGED X 2-23 BEPTY 8.51 × NOTES: RELINQUISHED BY: RECEIVED BY:

1.

2/25/43 DATE/TIME

DATE/TIME

2-25-95 DATE/TIME

X

DATE/TIME Signature on this form constitutes a firm purchase order for the services requested above.



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

DATE RECEIVED: 02/25/93 DATE REPORTED: 03/11/93

LABORATORY NUMBER: 110178

CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICES

PROJECT ID: 6983

LOCATION: GLASCOCK (TANK 1)

RESULTS: SEE ATTACHED

This report may be reproduced only in its entirety.



LABORATORY NUMBER: 110178

CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICES

PROJECT ID: 6983

LOCATION: GLASCOCK (TANK 1)

DATE SAMPLED: 02/23/93 DATE RECEIVED: 02/25/93 DATE ANALYZED: 03/04/93 DATE REPORTED: 03/11/93

Total Volatile Hydrocarbons as Gasoline in Soils & Wastes California DOHS Method LUFT Manual October 1989

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	REPORTING LIMIT (mg/Kg)	
110178-1 110178-2	1 2	ND 1	1	

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	1
DECOMEDY 6	±
RECOVERY, %	00
DESCRIPTION OF THE PROPERTY OF THE TANK OF	88



LABORATORY NUMBER: 110178

CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICES

PROJECT ID: 6983

LOCATION: GLASCOCK (TANK 1)

DATE SAMPLED: 02/23/93
DATE RECEIVED: 02/25/93
DATE EXTRACTED: 03/05/93

DATE ANALYZED: 03/06/93 DATE REPORTED: 03/11/93

Extractable Petroleum Hydrocarbons in Soils & Wastes California DOHS Method LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
110178-1	1	ND	ND	1
110178-2	2	**	1,400	10



ND = Not Detected at or above reporting limit.

- * Reporting limit applies to all analytes.
- **Kerosene range not reported due to overlap of hydrocarbon ranges.

QA/QC SUMMARY	
LCS RECOVERY, %	118



The second second

LABORATORY NUMBER: 110178-1

CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICES

PROJECT ID: 6983

LOCATION: GLASCOCK (TANK 1)

SAMPLE ID: 1

DATE SAMPLED: 02/23/93 DATE RECEIVED: 02/25/93 DATE ANALYZED: 03/08/93 DATE REPORTED: 03/11/93

COMPOUND	Result ug/Kg	Reporting Limit ug/Kg
Benzene	ND	5
Toluene	ND	5
Ethyl Benzene	ND	5
Total Xylenes	ND	5
Chlorobenzene	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
ND = Not detected at or above reporting limit.		
QA/QC SUMMARY		
% SURROGATE RECOVERY	100	======



CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICES

PROJECT ID: 6983

LOCATION: GLASCOCK (TANK 1)

SAMPLE ID: 2

DATE SAMPLED: 02/23/93 DATE RECEIVED: 02/25/93 DATE ANALYZED: 03/08/93 DATE REPORTED: 03/11/93

COMPOUND	Result ug/Kg	Reporting Limit ug/Kg
Benzene	ND	5
Toluene	ND	5
Ethyl Benzene	ND	5
Total Xylenes	ND	5
Chlorobenzene	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
ND = Not detected at or above reporting limit.		
QA/QC SUMMARY		
\$ SURROGATE RECOVERY	106	



LABORATORY NUMBER: 110178-METHOD BLANK

CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICES

PROJECT ID: 6983

LOCATION: GLASCOCK (TANK 1)

DATE ANALYZED: 03/08/93 DATE REPORTED: 03/11/93

COMPOUND	Result ug/Kg	Reporting Limit ug/Kg
Benzene	ND	5.
Toluene	ND	5
Ethyl Benzene	ND	5
Total Xylenes	ND	5
Chlorobenzene	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
ND = Not detected at or above reporting limit.		
QA/QC SUMMARY		
% SURROGATE RECOVERY	101	



LCS SUMMARY SHEET FOR EPA 8020

Laboratory Number: Analysis date: Sample type:

110178

03/08/93

WATER

LCS file:

CST-004.RST

8020 LCS DATA (spiked at 5 ppb)

SPIKE COMPOUNDS Benzene Toluene Chlorobenzene	READING 4.73 5.08 4.82	RECOVERY 95 % 102 % 96 %	STATUS OK OK OK	LIMITS 39 - 150 46 - 148 55 - 135
SURROGATES BROMOFLUOROBENZENE	49.57	99 %	ок	75 - 125



MS/MSD SUMMARY SHEET FOR EPA 8020

Laboratory Number:

110178

Analysis date: Sample type:

03/08/93 Water

Spike file: CST_011.RST CST_012.RST

8020 MS/MSD DATA (spiked at 5 ppb)

SPIKE COMPOUNDS Benzene Toluene Chlorobenzene	READING	RECOVERY	STATUS	LIMITS
	4.59	92 %	OK	39 - 150
	6.76	135 %	OK	46 - 148
	4.83	97 %	OK	55 - 135
SPIKE DUP COMPOUNDS Benzene Toluene Chlorobenzene	4.60	92 %	ok	39 - 150
	4.94	99 %	ok	46 - 148
	4.53	91 %	ok	55 - 135
SURROGATES BROMOFLUOROBENZENE BROMOFLUOROBENZENE	(MS) 54.53	109 %	ok	75 - 125
	(MSD) 49.83	100 %	ok	75 - 125

MATRIX RESULTS:

Benzene	0
Toluene	Ö
Chlorobenzene	0

RPD DATA

8020 COMPOUNDS				نت که د			====
Benzene	4.59	4.60	0	*	OK	<=	11
Toluene	6.76	4.94	31	કૃ	NOT OK	<=	13
Chlorobenzene	4.83	4.53	6	ક	OK	<=	13

APPENDIX B (Tank # 1 Disposal Manifest)

Qse (print or type. Form designed for use on elite (+-, Ach) sypewriter.	See Instruction	s on b.	of pag	e 6.	Departm	ent of Toxic Substances Sacramento, California
Ī	UNIFORM HAZARDOUS WASTE MANIFEST	1	anifest Docume	nt No.	2. Page 1	Informatio	on in the shaded areas uired by Federal law.
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-	APPROPRIATE PROTECTIVE CLOTHING AN	ND RESPIRATOR		O.a.	kland Cal	160001	72
-	 GENERATOR'S CERTIFICATION: I hereby declare that the con- packed, marked, and labeled, and are in all respects in proper. 	tents of the consignment are fully a	and accurately	described	above by proper sh	ipping name	and are classified,
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	If I am a large quantity generator, I certify that I have a pro- economically practicable and that I have selected the practicab threat to human health and the environment; OR if I am a sm	gram in place to reduce the volu le method of treatment, storage, i	me and toxicit or disposal cur	y of waste rently ava	generated to the	degree I ha	ve determined to be
L	threat to human health and the environment; \hat{OR} , if I am a sm waste management method that is available to me and that I ca	all quantity generator, I have ma n afford.	de a good fai	th effort to	o minimize my wast	e generation	and select the best
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APPENDIX C
(Tank # 2 Analytical Report)

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CHAIN OF COSTODY FORM Curtis & Tompkins, Ltd. Analyses 2323 Fifth Street Sampler: Don James Berkeley, CA 94710 (510) 486-0900 Phone Report to: Don Jame S (510) 486-0532 Fax . Peas 6983 Company: Pacific Rim Services Project No: Project Name: Glascock Ave Telephone: (415) 255-0860 Turnaround Time: Normal 431 -0334 Fax: Matrix # of Preservative Laboratory Sampling Sample ID. HCL HNO3 Field Notes Number Con-Date Time talners 3 WATER 3/1/93 1:00 110207-1 4 WAter 3/1/93 1:00 NOTES: Aspen Den James in Phone Convensation 3/2/53 Nulson RELINQUISHED BY: RECEIVED BY:

24 186 Windson 3/2

DATE/TIME

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DATE/TIME PAICH Signature on this form constitutes a firm purchase order for the services requested above.



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street. Berkeley. CA 94710 Phone (510) 486-0900

DATE RECEIVED: 02/26/93 DATE REPORTED: 03/10/93

LABORATORY NUMBER: 110179

CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICES

PROJECT ID: 6983

LOCATION: 2901 GLASCOCK AVE TANK REMOVAL

RESULTS: SEE ATTACHED

Reviewed by

Réviewed

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LABORATORY NUMBER: 110179

CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICES

PROJECT ID: 6983

LOCATION: 2901 GLASCOCK AVE TANK REMOVAL

DATE SAMPLED: 02/26/93 DATE RECEIVED: 02/26/93

DATE EXTRACTED: 03/02/93
DATE ANALYZED: 03/02/93

DATE REPORTED: 03/10/93

Extractable Petroleum Hydrocarbons in Aqueous Solutions

California DOHS Method LUFT Manual October 1989

16 mg/2

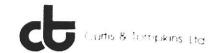
LAB ID	CLIENT ID	KEROSENE RANGE (ug/L)	DIESEL RANGE (ug/L)	REPORTING LIMIT* (ug/L)
110179-1	1 WATER	**	16,000	50

QA/QC SUMMARY

RPD, %
RECOVERY, %

^{*}Reporting limit applies to all analytes.

^{**}Kerosene range not reported due to overlap of hydrocarbon ranges.



LABORATORY NUMBER: 110179

CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICES

PROJECT ID: 6983

LOCATION: 2901 GLASCOCK AVE TANK REMOVAL

DATE SAMPLED: 02/26/93
DATE RECEIVED: 02/26/93
DATE EXTRACTED: 03/05/93
DATE ANALYZED: 03/06/93
DATE REPORTED: 03/10/93

Extractable Petroleum Hydrocarbons in Soils & Wates California DOHS Method LUFT Manual October 1989

LAB ID	CLIENT ID	KEROSENE RANGE (mg/Kg)	DIESEL REPORTING RANGE LIMIT* (mg/Kg)
110179-3	1 SOIL	1 ** ** **	2,800
110179-4	2 SOIL		3,800
110179-5	3 SOIL		1,200
110179-6	4 SOIL		1,300

^{**}Kerosene range not reported due to overlap of hydrocarbon ranges.

QA/(QC	SU	MMA	RY

LCS RECOVERY, % 118

^{*}Reporting limit applies to all analytes.



CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICE

PROJECT ID: 6983

LOCATION: 2901 GLASCOCK AVE TANK REMOVAL

SAMPLE ID: 1 SOIL

DATE SAMPLED: 02/26/93 DATE RECEIVED: 02/26/93 DATE ANALYZED: 03/08/93 DATE REPORTED: 03/10/93

COMPOUND	Result ug/Kg	Reporting Limit ug/Kg
Benzene	ND	30
Toluene	ND	30
Ethyl Benzene	490	30
Total Xylenes	90	30
Chlorobenzene	ND	3 ()
1,3-Dichlorobenzene	ND	3 C
1,4-Dichlorobenzene	ND	3 0
1,2-Dichlorobenzene	ND	30
ND = Not detected at or above reporting limit.		
QA/QC SUMMARY		
% SURROGATE RECOVERY	122	



CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICE

PROJECT ID: 6983

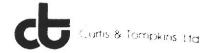
LOCATION: 2901 GLASCOCK AVE TANK REMOVAL

SAMPLE ID: 2 SOIL

DATE SAMPLED: 02/26/93 DATE RECEIVED: 02/26/93 DATE ANALYZED: 03/08/93

DATE REPORTED: 03/10/93

COMPOUND	Result ug/Kg	Reporting Limit ug/Kg
Benzene	ND	30
Toluene	ND	30
Ethyl Benzene	90	30
Total Xylenes	ИD	30
Chlorobenzene	ND	30
1,3-Dichlorobenzene	ND	30
1,4-Dichlorobenzene	ND	30
1,2-Dichlorobenzene	ND	30
ND = Not detected at or above reporting limit.		
QA/QC SUMMARY		370
% SURROGATE RECOVERY	110	======



CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICE

PROJECT ID: 6983

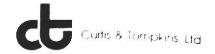
LOCATION: 2901 GLASCOCK AVE TANK REMOVAL

SAMPLE ID: 3 SOIL

DATE SAMPLED: 02/26/93 DATE RECEIVED: 02/26/93 DATE ANALYZED: 03/08/93 DATE REPORTED: 03/10/93

EPA 8020: Volatile Aromatic Hydrocarbons in Soils & Wastes Extraction Method: EPA 5030 - Purge & Trap

COMPOUND	Result ug/Kg	Reporting Limit ug/Kg
Benzene	ИD	30
Toluene	ND	30
Ethyl Benzene	ND	30
Total Xylenes	ND	3 0
Chlorobenzene	ИD	3 0
1,3-Dichlorobenzene	ND	30
1,4-Dichlorobenzene	ND	30
1,2-Dichlorobenzene	ND	30
ND = Not detected at or above reporting limit.		
QA/QC SUMMARY		
% SURROGATE RECOVERY	104	=======



CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICE

PROJECT ID: 6983

LOCATION: 2901 GLASCOCK AVE TANK REMOVAL

SAMPLE ID: 4 SOIL

DATE SAMPLED: 02/26/93 DATE RECEIVED: 02/26/93 DATE ANALYZED: 03/08/93 DATE REPORTED: 03/10/93

COMPOUND	Result ug/Kg	Reporting Limit ug/Kg
Benzene	ND	30
Toluene	ND	30
Ethyl Benzene	ND	30
Total Xylenes	ND	30
Chlorobenzene	ND	30
1,3-Dichlorobenzene	ND	30
1,4-Dichlorobenzene	ND	30
1,2-Dichlorobenzene	ND	30
ND = Not detected at or above reporting limit.		
QA/QC SUMMARY		
% SURROGATE RECOVERY	102	
	=======	



LABORATORY NUMBER: 110179-METHOD BLANK LABORATORY NUMBER: 110179-METHOD BLANK DATE ANALYZED: 03/08/93 CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICE DATE REPORTED: 03/10/93

PROJECT ID: 6983

LOCATION: 2901 GLASCOCK AVE TANK REMOVAL

COMPOUND	Result ug/Kg	Reporting Limit ug/Kg
Benzene	ND	5
Toluene	ND	5
Ethyl Benzene	ИД	5
Total Xylenes	ND	5
Chlorobenzene	ND	5
1,3-Dichlorobenzene	ND	5
1,4-Dichlorobenzene	ND	5
1,2-Dichlorobenzene	ND	5
ND = Not detected at or above reporting limit.		
QA/QC SUMMARY		
* SURROGATE RECOVERY	101	
=======================================	=========	======



MS/MSD SUMMARY SHEET FOR EPA 8020

Laboratory Number:

110179

Analysis date: Sample type:

03/08/93 Water

Spike file:

CST_011.RST Spike dup file: CST_012.RST

8020 MS/MSD DATA (spiked at 5 ppb)

	====						
SPIKE COMPOUNDS Benzene Toluene Chlorobenzene		READING 4.59 6.76 4.83	RECOVER 92 135 97	Y % % %	STATUS OK OK OK	LIMITS 39 - 46 - 55 -	150 148 135
SPIKE DUP COMPOUNDS Benzene Toluene Chlorobenzene		4.60 4.94 4.53	92 99 91	010 010 010	OK OK	39 - 46 - 55 -	150 148 135
SURROGATES BROMOFLUOROBENZENE BROMOFLUOROBENZENE	(MS) (MSD)	54.53 49.83	109 100	010 010	ok ok	75 - 75 -	125 125

MATRIX RESULTS:

Benzene	0
Toluene	0
Chlorobenzene	0

RPD DATA

8020 COMPOUNDS		_					====
Benzene Toluene Chlorobenzene	4.59 6.76 4.83	4.60 4.94 4.53	0 31		OK NOT OK	<= <=	11 13
and a consene	4.03	4.53	6	ò	OK	<=	13



LCS SUMMARY SHEET FOR EPA 8020

Laboratory Number: Analysis date: Sample type:

110179

03/08/93

WATER

LCS file:

CST-004.RST

8020 LCS DATA (spiked at 5 ppb)

SPIKE COMPOUNDS Benzene Toluene Chlorobenzene	READING 4.73 5.08 4.82	RECOVERY 95 % 102 % 96 %	STATUS OK OK OK	46 -	==== 150 148 135
SURROGATES BROMOFLUOROBENZENE	49.57	99 %	OK	75 - 1	125



Client: Pacific Rim Environmental Services

Laboratory Login Number: 110179

Project Name: Glascock Project Number: 6983

Report Date: 10 March 93

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMWW 17:5520EF

Lab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batch
110179-003	1 SOIL	Soil	26-FEB-93	26-FEB-93	03-MAR-93	1400	mg/Kg	50	TR	8478
110179-004	2 SOIL	Soil	26-FEB-93	26-FEB-93	03-MAR-93	1900	mg/Kg	50	TR	8478
110179-005	3 SOIL	Soil	26-FEB-93	26-FEB-93	03-MAR-93	390	mg/Kg	50	TR	8478
110179-006	4 SOIL	Soil	26-FEB-93	26-FEB-93	03-MAR-93	520	mg/Kg	5,0	TR	8478





QC Batch Report

Client:

Pacific Rim Environmental Services Laboratory Login Number: 110179

Project Name: Glascock

Report Date: 10 March 93

Project Number: 6983

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) QC Batch Number: 8478

Blank Results

Sample ID Result MDL Units Method Date Analyzed

BLANK ND 50 mg/Kg SMWW 17:5520EF

03-MAR-93

Spike/Duplicate Results

Sample ID Recovery

Method

Date Analyzed

BS

87%

SMWW 17:5520EF

03-MAR-93

BSD

84%

SMWW 17:5520EF

03-MAR-93

Average Spike Recovery 85% Relative Percent Difference 3.3%

Control Limits 60% - 120%

< 20%

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley CA 94710, Phone (510) 486-0900

DATE RECEIVED: 03/02/93 DATE REPORTED: 03/11/93

LABORATORY NUMBER: 110207

CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICES

PROJECT ID: 6983

LOCATION: GLASCOCK AVE.

RESULTS: SEE ATTACHED

Reviewed by

Reviewed

This report may be reproduced only in its entirety.



PROJECT ID: 6983

LOCATION: GLASCOCK AVE

SAMPLE ID: 4 WATER

DATE SAMPLED: 03/01/93 CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICES DATE RECEIVED: 03/02/93 DATE ANALYZED: 03/07/93 DATE REPORTED: 03/11/93

EPA 8020: Volatile Aromatic Hydrocarbons in Water

COMPOUND	RESULT ug/L	REPORTING LIMIT ug/L
Benzene	ND	1
Toluene	ND	1
Ethyl Benzene	ND	1
Total Xylenes	ND	1
Chlorobenzene	ND	1
1,3-Dichlorobenzene	ИД	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY	
Surrogato Dogoverno	
Surrogate Recovery, %	9.9
	2,2



LABORATORY NUMBER: 110207-METHOD BLANK DATE ANALYZED: 03/07/93

CLIENT: PACIFIC RIM ENVIRONMENTAL SERVICES DATE REPORTED: 03/11/93

PROJECT ID: 6983

LOCATION: GLASCOCK AVE

EPA 8020: Volatile Aromatic Hydrocarbons in Water

COMPOUND	RESULT ug/L	REPORTING LIMIT ug/L
Benzene	ND	1
Toluene	ND	1
Ethyl Benzene	ND	1
Total Xylenes	ND	1
Chlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1

ND = Not detected at or above reporting limit.

QA/QC SUMM	LA	RY	
------------	----	----	--

Surrogate Recovery, %



MS/MSD SUMMARY SHEET FOR EPA 8020

Laboratory Number: 110207

Analysis date: Sample type:

03/08/93 Water

Spike file:

065W028 Spike dup file: 065W029

8020 MS/MSD DATA (spiked at 20 ppb)

	========			
SPIKE COMPOUNDS Benzene Toluene Chlorobenzene	READING 24.17 25.00 24.12	RECOVERY 121 % 123 % 121 %	OK	TIMITS 76 - 130 76 - 125 75 - 127
SPIKE DUP COMPOUNDS Benzene Toluene Chlorobenzene	23.27 24.03 23.59	116 % 118 % 118 %	OK	76 - 130 76 - 125 75 - 127
SURROGATES BROMOBENZENE (MS) BROMOBENZENE (MSD)	93.36 90.48	93 % 90 %	011	75 - 125 75 - 125

MATRIX RESULTS:

Benzene Toluene Chlorobenzene

0 0.485 0

RPD DATA

	- 00 / 00-00 4000 1000- 00-00 50-0 50-0 50-0 50-0 1000 - 00-0 10-0 10-0 10-0 50-0 50-0 50-0 50-						
8020 COMPOUNDS							
Benzene Toluene Chlorobenzene	24.17 25.00 24.12	23.27 24.03 23.59	4 4 2	010 010 010	OK OK	<= <= <=	11 13 13



Client: Pacific Rim Environmental Services

Laboratory Login Number: 110207

Project Name: Glascock Project Number: 6983

Report Date: 11 March 93

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) METHOD: SMWW 17:5520BF

ab ID	Sample ID	Matrix	Sampled	Received	Analyzed	Result	Units	RL	Analyst	QC Batci
10207-001	3,4 WATER	Water	01-MAR-93	02-MAR-93	08-MAR-93	26.	mg/L	5	TR	851
						×				
										2



QC Batch Report

Client:

Pacific Rim Environmental Services Laboratory Login Number: 110207

Project Name: Glascock

Project Number: 6983

Report Date: 11 March 93

ANALYSIS: Hydrocarbon Oil & Grease (Gravimetric) QC Batch Number: 8513

Blank Results

Sample ID Result MDL Units Method Date Analyzed

BLANK ND 5 mg/L SMWW 17:5520BF 08-MAR-93

Spike/Duplicate Results

Sample ID Recovery

Method

Date Analyzed

BS

87%

08-MAR-93

888

BSD

SMWW 17:5520BF SMWW 17:5520BF

08-MAR-93

Average Spike Recovery 88% 80% - 120% Relative Percent Difference 1.2% < 20%

Control Limits

APPENDIX D
(Tank # 2 Disposal Manifest)

Month Printed/Typed Name

19. Discrepancy Indication Space

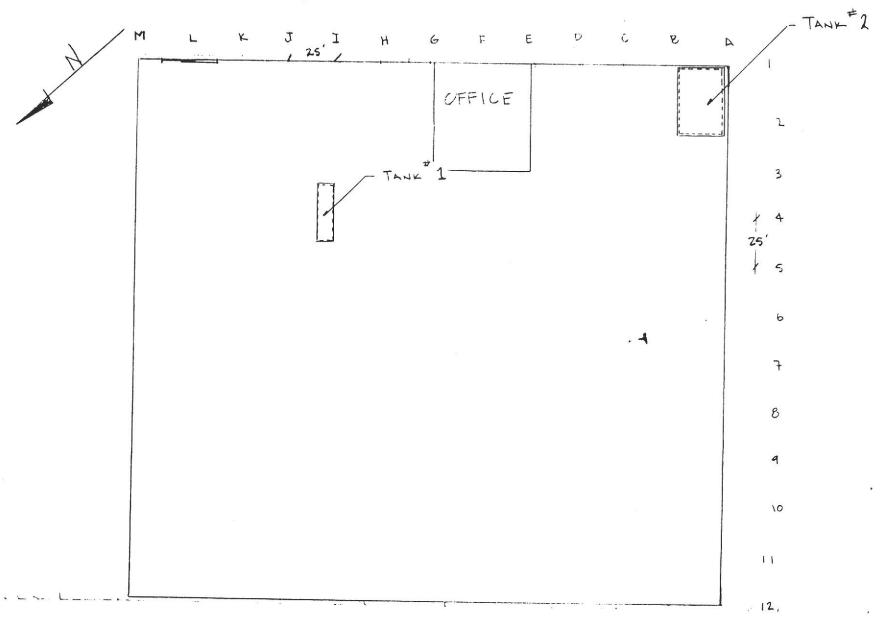
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name

DO NOT WRITE BELOW THIS LINE.

CASE

APPENDIX E
(Expanded Excavation Plot Plans)

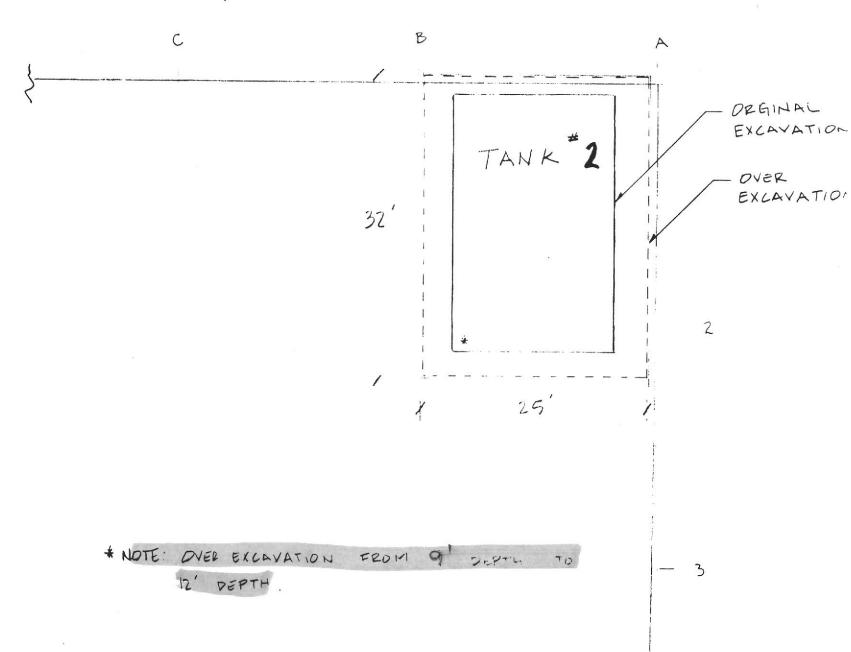
GLASSCOCK STREET



DAKLAND ESTUARY

DIAERAN

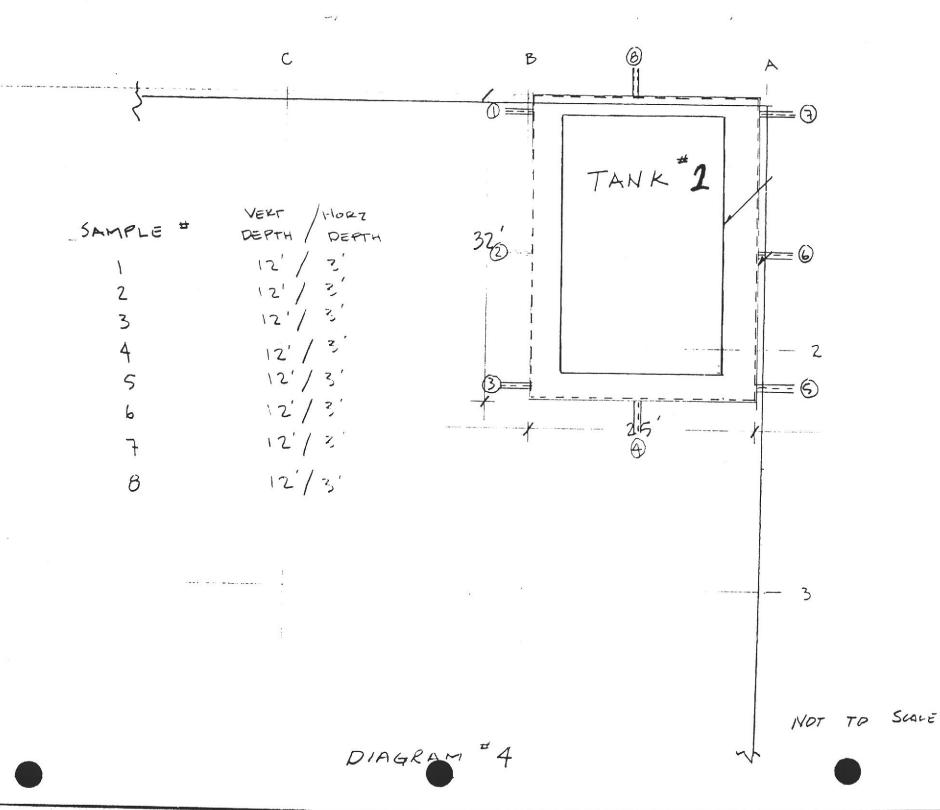
NOT TO SOLE



NOT TO SCALE

DIAGRAM =

H TANK 1 x 8' x EXCAVATION 27 DIAG M



TANK # 1

	FEET
SAMPLE *	VERT / HOLZ BEPTH DEPTH
١	101/2/0
2	71/2/3
3	7'/2'/3'
4	71/2/3
5	71/2/3

DIAGRAM #5

APPENDIX F
(Stock Pile Removal Manifest)



Hazardous Waste Hauler (Registration #2843)

8896 Elder Creek Rd. • Sacramento, CA 95828 • FAX (916) 381-1573

GLASCOCK STREET OWNERS 425 MARKET STREET OAKLAND, CA 94607 DATE: 12/06/93

INVOICE:

1525

JOB: 2901 GLASCOCK AVE., OAKLAND, CA

DATE	TRUCK#	TAG	JOB DESCRIPTION	HR/TN/YD	RATE	AMOUNT
12/01/93	S-15	18600	MOVE IN LOADER	BID		
12/01/93	936	21182	CLEAN UP OF JOBSITE	BID		
12/01/93	M-10	17086	SOIL TO BFI	18.00 YARD	43.50	783.00
12/01/93	M-10	17087	CONCRETE TO AVILA	36.00 YARD	28.46	1,024.56
12/01/93	M-11	17107	SOIL TO BFI CONCRETE TO AVILA BRIDGE TOLLS	36.00 YARD 36.00 YARD 1	43.50 28.46 8.25	1,566.00 1,024.56 8.25
12/01/93	M-3	17131	SOIL TO BFI	36.00 YARD	43.50	1,566.00
12/01/93	M-3	17132	CONCRETE TO AVILA BRIDGE TOLLS	36.00 YARD 1	28.46 8.25	1,024.56 8.25
12/01/93	S-50	17201	CONCRETE TO AVILA BRIDGE TOLLS	18.00 YARD	28.46 8.25	512.28 8.25
12/01/93	M-19	17202	SOIL TO BFI	18.00 YARD	43.50	783.00
12/01/93	M-7	17203	CONCRETE TO AVILA	36.00 YARD	28.46	1,024.56



Hazardous Waste Hauler (Registration #2843)

8896 Elder Creek Rd. • Sacramento, CA 95828 • FAX (916) 381-1573

PAGE: 2

GLASCOCK STREET OWNERS

DATE:

12/06/93

INVOICE:

1525

DATE	TRUCK#	TAG	JOB DESCRIPTION	HR/TN/YD	RATE	AMOUNT
12/01/93	S-50	17462	SOIL TO BFI	36.00 YARD	43.50	1,566.00
12/01/93	S-20	17522	SOIL TO BFI	18.00 YARD	43.50	783.00
12/01/93	S-20	17524	CONCRETE TO AVILA HOLDOVER CHARGE BRIDGE TOLLS	72.00 YARD 3.00 HRS 2	28.46 60.00 8.25	2,049.12 180.00 16.50
12/01/93	M-7	17615	SOIL TO BFI BRIDGE TOLLS	18.00 YARD 1	43.50 8.25	783.00 8.25
12/01/93	M-18	17642	SOIL TO BFI	18.00 YARD	43.50	783.00
12/01/93	M-19	21361	CONCRETE TO AVILA BRIDGE TOLLS	54.00 YARD	28.46 8.25	1,536.84 8.25
			*CONTOTAL DUE	;xolok		\$17,047.23

BFI - 11 LOADS @ 18 YARDS PER LOAD= 198 YARDS x \$43.50 = \$8,613.00

AVILA - 16 LOADS @ 18 YARDS PER LOAD= 288 YARDS x \$28.46 = \$8,196.48

BRIDGE TOLLS - 7 @ \$8.25 = \$57.75

HOLDOVER CHARGE - 3 HOURS @ \$60.00 = \$180.00

*** PAYMENT DUE UPON RECEIPT ***

TOTAL AMOUNT DUE \$17,047.23

BROWNING FERRIS INDUSTRIES 4001 VASCO ROAD LIVERMORE, CA 94550 (510) 447-0491 : A08718 12/01/93 07:01 am Customer: MANLEY & SONS Account : 1008754 LMS #754 Truck Manifest: 1026346 P.O. No : GLASSCOCK WARNING: Transporting any unauthorized hazardous waste to this facility for disposalis prohibited by law. Persons violating this prohibition are subject to civil and criminal UUUU Checken : MARK prosecution. Volume Contents Rate Change 18.00 YD SPECIAL All children must remain in vehicles. TOTAL Absolutely no salvaging allowed. Ninôs deben de permaneceren en los carros a todas horas. THANK YOU FOR YOUR BUSINESS!!! No se permite llever coses del dompe absolutamente. MARIE REAR DRIVER DRIVER



10/86

NON-HAZARDOUS SPECIAL WASTE MANIFES

		GENE	RATOR
Generator Name	When William Inches	<u>.</u> <u>.</u>	Generating Location
Address	2001 GLASSAVEK AVELSE		Address Address
-	OARLAND, HA 04012 💆 -		OÁKCANO, CE 51818
Phone No. 4 1	C A 4 0 5 1 1 2 6	9 3	Phone No. 4 1 5 2 5 5 0 8 6 0 6 4 4 7 5 Containers. Type
BFI Waste Code	Description of Waste	13 13	Quantity Units No. Type D - Drum
in.	SOIL		C - Carto B - Bag T - Truck P - Pount
**************************************			Y - Yard:
	$\overline{I_p}$		O - Other
state law, is classified and	not a hazardous waste as defined by 40 of packaged, and is in proper condition for t	CFR Pai	n free liquid as defined by 40 CFR Part 260.10 or any applicable at 261 or any applicable state law, has been properly described tation according to applicable regulations.
Generator Authorized A	Agent Name Signature	1 600	1 Shipment Date
			PORTER _
Truck No. 21-1	1/		Phone No.
Transporter Name	MAULET & John Tauchling.	11.	Driver Name (Print) Tim Schlesta
Address	NO. OF RELIEF CHEFF FORE		Vehicle License No./State 906234
-	SACRAHENTO, CA SUCCA		Vehicle Certification
I hereby certify the at the generator s	at the above named material was picked u tite listed above.	p	I hereby certify that the above named material was delivered wit out incident to the destination listed below.
Tun R	School 1201 Shipment Date	93	Driver Signature Chasse 120195 Delivery Date
			2
		DESTI	NATION
Site Name	7 1		Phone No. 5 1 0 — 4 4 7 0 4 9 1
Address1	MAI W. MASCO FOAD. LIMEUNE	ili.	-15. (a.1.1.5)
I hereby certify that	at the above named material has been acc	epted a	and to the best of my knowledge the foregoing is true and accurate
			MINO 170112
Name of Authorized Age	ent Sign.	ature	Receipt Date

TRANSPORTER RETAIN

BF1260-7

BROWNING-FERRIS INDUSTRIES 4001 VASCO ROAD LIVERMORE, CA 94550 (510) 447-0491 Ticket : A08794 12/01/93 11:11 am Customer: MANLEY & SONS Account : 1000754 LMS #754 Truck Manifest: 956191 WARNING: Transporting any unauthorized hezerdous weste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution. P.O. No : GLASSCOCK Checker : MIKE Yol ume Contents Rate Change 19.00 YD SPECIAL All children must remain in vehicles. TOTAL Absolutely no salvaging allowed. Ninôs deben de permaneceren en los carros a todas horas. THANK YOU FOR YOUR BUSINESS!!! No se permite llever coses del dompe absolutamente. יברי DRIVER DRIVER



NON-HAZARDOUS SPECIAL WASTE MANIFEST

	GENERATOR	
Generator Name	Generating Locat	ion
AddressCOOL GLADSCOOT, AVE		TOCA MEAN THE AMERIC
OMELAND, CA STOLL		Fisher, Ca. 5101.
Phone No. 4. 1 5 — 2 5 5 0 8 6	Phone No. 4	1 5 2 2 5 5 0 8 6 0
BEI Waste Code C A 4 0 5 1 1		Containers Units No. Type D - Drum
Description of Waste		Quantity Units No. Type C - Carton B - Bag
SOIL		T - Truck P - Pounds
Som		Y - Yards
I hereby certify that the above named material	does not contain free liquid as del	fined by 40 CFR Part 260.10 or any applicable
I hereby certify that the above named material state law, is not a hazardous waste as defined classified and packaged, and is in proper condi	by 40 CFH Part 261 or any appli	icable state law, has been properly described,
And the second s		
Generator Authorized Agent Name Signat	ure	Shipment Date
	TRANSPORTER	
Truck No.	Phone No	
Transporter Name HANGET OF CORD THE		int) TIM SCHOSSER
AddressBUDG ELLORE HT EER	Vehicle License	No./State 7
CACEAMENTO, CL 3		tion
I hereby certify that the above named material was at the generator site listed above.	picked up I hereby certify to ut incident to the	hat the above named material was delivered with ne destination listed below.
tho R Schoun 12	o 1 9 3 Driver Signature	Chosse 12019=
Driver Signature Signature	ipment Date Driver Signature DESTINATION	
		No 5 1 0 4 4 4 7 0 4 9 1
Site Name	LIVERNOSE, CA 91606	No. 3 1 0 3 4 2 7 7 9 7 9 7 9 7 9 9 9 9 9 9 9 9 9 9 9
Address		
I hereby certify that the above named material has	been accepted and to the best of	my knowledge the foregoing is true and accurate
	Signature	12 0 7 Receipt Date
ame of Authorized Agent	- Signatury	
		PASS CODE

TRANSPORTER RETAIN

BF1260-7:

VASCO ROAD SANITARY LANDFILL No: 562455 BROWNING FERRIS INDUSTRIES 4001 VASCO ROAD LIVERMORE, CA 94550 (510) 447-0491 Ticket : A09735 12/01/93 09:48 am Customer: MANLEY & SONS Account : 1008754 LMS #754 Truck :: Manifest: 956189 P.O. No : GLASSCOCK WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal Checker : MIKE prosecution. Volume. Contents Rate Charge 1111 18.00 YD SPECIAL TOTAL All children must remain in vehicles. Absolutely no salvaging allowed. Ninôs deben de permaneceren en los carros a todas horas. THANK YOU FOR YOUR BUSINESS!!! No se permite llevar coses del dompe absolutamente. 4 11 11 11 ררוף DRIVER



NON-HAZARDOUS SPECIAL WASTE MANIFEST

		. GE	NERATOR		
enerator Name	Au. ,	· lass file	Generating Location	drim the A. A.	' illlar.
Address	2901 GLASSO0	Ch AVERUE		COMI GLASSMORE	ATEMUE
	OARLAND, CA	91032	Address	OMELAND, CA 04	011
Phone No. 4	1 5 - 2 5 5	0 8 6 0	Phone No. 4 1	5 -2 5 5 0 8 6	0
BFI Waste Code	C A 4 0 5 Description o	1 1 2 6 9			Type D - Drum
state law, is it	SOIL by that the above named not a hazardous waste	d material does not con as defined by 40 CFR	dain free liquid as defined Part 261 or any applicable portation according to appl	by 40 CFR Part 260.10 or any	C - Carton B - Bag T - Truck P - Pounds Y - Yards O - Other
		Signature		icable regulations.	
Generator Authorized Ag	ent Name	Signature		Shipment Date	
		TRAI	SPORTER		
Tuck No. <u> 18</u>			Phone No	, Lee . I faces	•
Transporter Name	- HANLEY & JOH	is Trucking, i	l.		
Address	5390 ELDER O	FEER ROAD	•	tate 7/27083	
	SACRAMENTO,	CA 05016	Vehicle Certification		
I hereby certify that at the generator sit	t the above named mate listed above.	erial was picked up		e above named material was d	elivered with-
Driver Signature	1/1	/ Z 0 / 9 3	Driver Signature	1.11-120 Delive	93
		DEST	INATION		
Site Name	, , , , , , , , , , , , , , , , , , ,		Phone No.	1 0 -4 4 7 0	4 9 1
Address	Cita II. A see 1	ens. Livermoes			
I hereby certify that	the above named mate	rial has been accepted	and to the best of my kno	wledge the foregoing is true ar	nd accurate.
Name of Authorized Agent		Signature	111111	Receip	ot Date
10/86		t	PAS	S CODE	-

TRANSPORTER RETAIN

BF1260-720

VASCO ROAD SANITARY LANDFILL No: 562432 A DIVISION OF BROWNING-FERRIS INDUSTRIES 4001 VASCO ROAD LIVERMORE, CA 94550 (510) 447-0491 Ticket : A08712 12/01/93 08:52 am Customer: MANLEY & SONS Account : 1008754 LMS #754 Truck Manifest: 1026347 P.O. No : GLASSCOCK WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal | Checker : MARK Volume Contents prosecution. Rate Change 18.00 YD SPECIAL 4 4 4 TOTAL All children must remain in vehicles. 1111 Absolutely no salvaging allowed. Ninôs deben de permaneceren en los carros THANK YOU FOR YOUR BUSINESSY!! (CO No se permite llever coses del dompe absolutamente. DRIVER DRIVER



NON-HAZARDOUS SPECIAL WASTE MANIFES

Generator Name Address CSO1 GLACGCCCR AVERUE OARLAND, CA OLG IL Phone No. 4 1 5 2 5 0 8 6 0 Phone No. 4 1 5 2 5 0 8 6 0 Phone No. 4 1 5 2 5 5 0 8 6 0 Description of Waste Oascription of Waste SOTI SOTI SOTI SOTI I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 251 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 251 or any applicable regulations. Truck No. 5 2 0 Transporter Name MARLEY G SONS TRICKING. INC. Signature TRANSPORTER Truck No. 5 2 0 Transporter Name MARLEY G SONS TRICKING. INC. Signature Driver Name (Print) I hereby certify that the above named material was picked up at the generator site listed above. Driver Signature Phone No. 6 1 0 4 4 7 0 4 9 1 Address Driver Signature Phone No. 6 1 0 4 4 7 0 4 9 1 Address Oach RLACC OCK AVERUE Address Driver Signature Phone No. 6 1 0 4 4 7 0 4 9 1 Address Driver Signature Phone No. 6 1 0 4 4 7 0 4 9 1 Address Oach RLACC OCK AVERUE Address Driver Signature Phone No. 6 1 0 4 4 7 0 4 9 1 Address Oach RLACC OCK AVERUE Type OACH ALBROW C Containers Type Oach Albrow C Containers Driver Signature Destrination Destrination I hereby certify that the above named material was delivered wit out incident to the destination listed below. Destrination Destrination Destrination I hereby certify that the above named material was delivered wit out incident to the destination listed below. Destrination Destrination Destrination Figure C Authorized Agent Destrination Des	GENE	RATOR
Phone No. 4 1 5 2 5 5 0 8 6 0 Phone No. 4 1 5 2 5 5 0 8 6 0 Phone No. 4 1 5 2 5 5 0 8 6 0 Phone No. 4 1 5 2 5 5 0 8 6 0 Phone No. 4 1 5 2 5 5 0 8 6 0 Phone No. 4 1 5 2 5 5 0 8 6 0 Phone No. 4 1 5 2 5 5 0 8 6 0 Phone No. 4 1 5 2 5 5 0 8 6 0 Phone No. 4 1 5 2 5 5 0 8 6 0 Phone No. 4 1 5 2 5 5 0 8 6 0 Phone No. 5 2 5 5 0 8 6 0 Phone No. 6 1 5 2 5 5 0 8 6 0 Phone No. 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Generator Name	Generating Location
Phone No. 4 1 5 2 5 5 0 8 6 0 BFI Waste Code C A 4 0 5 1 1 2 6 9 3 6 4 4 7 5 Description of Waste Ouanity Units No. Type Description of Waste Ouanity Units No. Type C Cart C C Cart C C C C C C C C C C C C C C C C C C C	AddressD901_GLADSCOCK_AVENUE	Address 2001 GLACOFOCK AVENUE
BFI Waste Code C A 4 0 5 1 1 2 6 9 3 6 4 7 5 Containers Description of Waste Description of Waste Ouanity Units No. Type C Carte B Bag SOTI I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 250.10 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. Truck No. S 2 Phone No. Transporter Name MACHAMBRTU. CA SACRAMBRTU. CA SACRAM	OAKLANE, CA 04612	OAELAND, CA 04613
Description of Waste Ountity Occurred Cocarte Border Truck No. Sacratify that the above named material does not contain free liquid as defined by 40 CFR Part 260. Of 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. Transporter Name Insplice Cocarte Suprature Truck No. Sacratified and packaged, and is in proper condition for transportation according to applicable regulations. Transporter Name Insplice Cocarte Insplication Insplication Insplication Intereby certify that the above named material was picked up at the generator site listed above. Intereby certify that the above named material was picked up at the generator site listed above. Intereby certify that the above named material was picked up at the generator site listed above. Intereby certify that the above named material was picked up at the generator site listed above. Intereby certify that the above named material was picked up at the generator site listed above. Intereby certify that the above named material was picked up at the generator site listed above. Intereby certify that the above named material was picked up at the generator site listed above. Description Intereby certify that the above named material was picked up at the generator site listed above. Description Intereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate the property of the property o	Phone No.	Priorie No.
SOIL SOIL 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 state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. TRANSPORTER Truck No. 5 20 Transporter Name INSPLET & SONS TRICKING. 180 Driver Name (Print) SACREMBITO. CA SONS TRICKING. 180 Vehicle License No./State 9 4 6 6 7 4 Vehicle Certification I hereby certify that the above named material was elivered will out incident to the destination listed below. Thereby certify that the above named material was delivered will out incident to the destination listed below. Thereby certify that the above named material was delivered will out incident to the destination listed below. Thereby certify that the above named material was delivered will out incident to the destination listed below. Thereby certify that the above named material was delivered will out incident to the destination listed below. Thereby certify that the above named material was delivered will not incident to the destination listed below. Thereby certify that the above named material was delivered will not incident to the destination listed below. Thereby certify that the above named material was delivered will not incident to the destination listed below. Thereby certify that the above named material was delivered will not incident to the destination listed below. Thereby certify that the above named material was delivered will not incident to the destination listed below.	BFI Waste Code	J L
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. Compared Report Compared Rep		C - Cartc B - Bag T - Truck P - Pount Y - Yards
Truck No. \$\frac{\text{7.00}}{20}\$ Transporter Name \frac{\text{MANSPORTER}}{\text{MASPLEY & SONS TSHCKING. 180}} \ Driver Name (Print) \frac{\text{MIKe No.RIS}}{\text{MIKe No.RIS}} \ Address \frac{\text{SACRAMBNTO. CA OF ACA}}{\text{SACRAMBNTO. CA OF ACA}} \ Vehicle License No./State \$\frac{\text{GACFAMBNTO. CA OF ACA}}{\text{Vehicle Certification}} \ \text{I hereby certify that the above named material was picked up at the generator site listed above.} \ \text{I hereby certify that the above named material was delivered wit out incident to the destination listed below.} \\ \text{Driver Signature} \ \text{Driver Signature} \ \text{Driver Signature} \ \text{Driver Signature} \ \text{Delivery Oate} \\ \text{Delivery Oate} \\ \text{Driver Signature} \ \text{Driver Signature} \ \text{Driver Delivery Oate} \\ \text{Driver Signature} \ \text{Driver Signature} \ \text{Driver Delivery Oate} \\ \text{Driver Signature} \ \text{Driver Delivery Oate} \\ \text{Driver Signature} \ \text{Driver Delivery Oate} \\ \text{Driver Signature} \ \text{Driver Driver Delivery Oate} \\ \text{Driver Delivery Oate} \\ \text{Driver Driver Delivery Oate} \\ Driver	state law, is not a hazardous waste as defined by 40 CFR Par	t 261 or any applicable state law, has been properly described,
Truck No. \$\frac{\text{20}}{\text{CALIBET Name}} \frac{\text{IBOLEY & SONS TERRITION}}{\text{MACRE ELDES CREET. BOATS}} \text{Driver Name (Print)} \frac{\text{MIKe No. RAIS}}{\text{MIKe No. IState } \text{QA.C.C.6.74}} \text{Vehicle License No./State } \frac{\text{QA.C.C.6.74}}{\text{Vehicle Certification}} \text{I hereby certify that the above named material was picked up at the generator site listed above.} \text{I hereby certify that the above named material was delivered wit out incident to the destination listed below.} \text{Driver Signature} \text{Driver Signature} \text{Delivery Date} Delivery Dat	Generator Authorized Agent Name Signature	Shipment Date
Transporter Name MANUEY & SONS TRUCKING. TRO- Address SACEAMBRITO. CA MACO Vehicle License No./State 9A (6 7 4	TRANS	PORTER
Address SACRAMBRTU. CA CASCAS Vehicle License No./State 9A CC 674 Vehicle License No./State 9A CC 674 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 wit out incident to the destination listed below. Driver Signature DESTINATION Site Name 144 Address 4001 N. VASCO FOAD. LIVERHORE. TA 31750 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate	Truck No. 520	Phone No.
Address SACRAMBRTU. CA CASCAS Vehicle License No./State 9A CC 674 Vehicle License No./State 9A CC 674 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 wit out incident to the destination listed below. Driver Signature DESTINATION Site Name 144 Address 4001 N. VASCO FOAD. LIVERHORE. TA 31750 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate	Transporter Name HABLEY & SONS TRUCKING, INC.	Driver Name (Print) MIKE NORRIS
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 wit out incident to the destination listed below. I 2 0 / 9 3 Driver Signature DESTINATION Site Name Phone No. 10 4 4 7 0 4 9 1 Address 4001 No. 14300 FOAD. LIVERHOLE. 18 31150 I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate	Address RAME ELDER CREW BOAR	Vehicle License No./State 9A66674
out incident to the destination listed below. The priver Signature	SACRAMENTO, CA DUACE	Vehicle Certification
Shipment Date Driver Signature Delivery Date DESTINATION Site Name Phone No. 10 4 7 0 4 9 1 Address 4001 N. VASCO FOAD. LIVERMORE, 78 01750 1 hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate		
Site Name Phone No. 10 10 4 7 0 4 9 1 Address 4001 N. VASCO FOAD. LIVERHORE. TA 31750 Thereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate	Driver Signature 1 2 0 1 9 3	
Site Name Phone No. 10 10 4 7 0 4 9 1 Address 4001 N. VASCO FOAD. LIVERHORE. TA 31750 Thereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate	DESTIN	VATION
Address 4001 N. VASCO FOAD. LIVERMORE, Ta. 31750 1 hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate	*	
1 hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate	Site Name	
MF. TRUVE	Address 4001 N. VASCO FOAD, LIVERMORE,	T8 - 34 (55)
lame of Authorized Agent Signature Receipt Date		MF. 12012E
	lame of Authorized Agent Signature	Receipt Date

PASS CODE

No: A DIVISION OF BROWNING FERRIS INDUSTRIES 4001 VASCO ROAD LIVERMORE, CA 94550 (510) 447-0491 : A08802 12/01/93 11:23 am Customer: MANLEY & SONS Account : 1008754 LMS #754 Truck Manifest: 1026345 P.O. No : GLASSCOCK WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal LILK Checker : MIKE prosecution. Volume ... Contents Rate Charge 18.00 YD SPECIAL All children must remain in vehicles. TOTAL ------Absolutely no salvaging allowed. Ninôs deben de permaneceren en los carros I "THANK YOU FOR YOUR BUSINESS!!! No se permite llever cosas del dompe absolutamente. DRIVER DRIVER



NON-HAZARDOUS SPECIAL WASTE MANIFEST

		GENERATOR		
Generator Name		Generating Locat	tion	
	H GLASSONGA AVENDE	Address	し 付けま らしれるからがられ いっとはべれ	
	LAME, CA C4610		OAKLAND, CA 94612	
Phone No.		Phone No.	5 5 0 0 0 0	
BFI Waste Code		J 2 0 1 1 7	Containers Type Quantity Units No. Type D - Drum	
,	Description of Waste		Quantity Units No. Type 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.				
Generator Authorized Agent	Name Signature	· a circle	Shipment Date	
		RANSPORTER		
Truck No. M. 7		Phone No	nt) HOROLD KINNEY JR	
	MLET R BONG TIMERIAL 36 ELDER CYSEE FOAD	Driver Name (Pri	No./State 9C0(23C) (A)	
	CRAMENTO, CA DOUL		tion	
I hereby certify that that the generator site I	ne above named material was picked u isted above.		hat the above named material was delivered wit ne destination listed below.	
Driver Signature	- / [/2 o /] Shipment Date	G Z Driver Signature		
		DESTINATION		
Site Name		Phone N	No. 9 1	
Address	N. VACCO FOAL, LIVELBO	E. TA GUTTE		
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.				
me of Authorized Agent	Siar	nature	/ 2 0 1 7 T	
and of Administed Agent				

TRANSPORTED DE

10/86

BF1260-72

ADIVISION OF BET BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD
LIVERMORE, CA 94550
(510) 447-0491

Ticket A08829 12/01/93 12:30 pm
Customer: MANLEY & SONS
Account: 1008754 LMS #754

18.

Volume

Truck

Contents

Rate

Charge

18.00 YD SPECIAL

Manifest: 1026343 P.O. No : GLASSCOCK

Checker : MIKE

TOTAL

THANK YOU FOR YOUR BUSINESS!!!

All children must remain in vehicles.
Absolutely no salveging sllowed.

Ninôs deben de permaneceren en los carros a todas horas.

WARNING: Transporting any unauthorized hezerdous waste to this facility for disposal in prohibited by law. Persons violating thi prohibition are subject to civil and crimin. I prosecution.

No se permite llever cosas del dompe absolutamente.

65,450

30

DRIVER

DRIVER



NON-HAZARDOUS SPECIAL WASTE MANIFEST

	RATOR
Generator Name GLALLINGT, AV FALTINET.	Generating Location
Address 2001 GLASSCOCK AVENUE	Address Tanii GLASSCOCK AVENUE
OAKLAND, CA 04612	OARLAND, OS PHRICE
Phone No. 4 1 5 -5 5 0 8 6 6	Phone No. 1 1 1 5 6 3 8 6
BFI Waste Code Description of Waste	Quantity Units No. Type D - Drum C - Carton
SOIL	B - Bag T - Truck
	P - Pounds Y - Yards
	O - Other
state law, is not a hazardous waste as defined by 40 CFR Pa classified and packaged, and is in proper condition for transpor	wall I I I
Generator Authorized Agent Name Signature	Shipment Date
TRANS	PORTER
Truck No. 5 50	Phone No.
Transporter Name MARLEY & SONS TRUCKING, 1960	Driver Name (Print) Brist Winter
Transporter Name MARLEY & SONS TRUCKING, 1807 Address 3896 ELDER CREEK FOAD	Driver Name (Print) Byt Winter
Transporter Name HABLEY & SONS TRUCKING, 1867	Driver Name (Print) Brist Winter
Address 3896 FLDER CREEK FOAD	Vehicle License No./State 2006255
Address BAGG ELDER CREEK FOAD **ACPAMENTO. CA 05523 I hereby certify that the above named material was picked up at the generator site listed above.	Vehicle License No./State 200055 Vehicle Certification I hereby certify that the above named material was delivered with-
Address Address	Vehicle License No./State Vehicle Certification I hereby certify that the above named material was delivered without incident to the destination listed below. Driver Signature Delivery Date
Address Address	Vehicle License No./State 200255 Vehicle Certification I hereby certify that the above named material was delivered without incident to the destination listed below.
Transporter Name HABLET & SONS TRUCE DIG. ENC. Address	Vehicle License No./State Vehicle Certification I hereby certify that the above named material was delivered without incident to the destination listed below. Driver Signature Phone No. Phone No.
Transporter Name HABLET & SONS TRUCE DIG. ENC. Address	Vehicle License No./State Vehicle Certification I hereby certify that the above named material was delivered without incident to the destination listed below. Driver Signature Phone No. Phone No.
Transporter Name HABLET & SONS TRUCKING, ENC. Address	Vehicle License No./State Vehicle Certification I hereby certify that the above named material was delivered without incident to the destination listed below. Driver Signature Phone No. Phone No.
Transporter Name HABLET & SONS TRUCKING, ENC. Address	Vehicle License No./State 2006255 Vehicle Certification I hereby certify that the above named material was delivered without incident to the destination listed below. Driver Signature Phone No. Phone No.

PASS CODE _

BF1260-72

VASCO ROAD SANITARY LANDFILL "A DIVISION OF BROWNING FERRIS INDUSTRIES 4001 VASCO ROAD LIVERMORE, CA 94550 (510) 447-0491 : A08725 . 12/01/93 09:20 am Customer: MANLEY & SONS Account : 1008754 LMS #754 UNUL Truck HHH Manifest: 1026348 P.O. No : GLASSCOCK WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal Checker : MARK prosecution. Volume Contents Charge Rate 18.00 YD SPECIAL TOTAL All children must remain in vehicles. Absolutely no salvaging allowed. Ninôs deben de permaneceren en los carros a todas horas. NAAR THANK YOU FOR YOUR BUSINESS!!! No se permite llever cosas del dompe absolutamente. DRIVER



NON-HAZARDOUS SPECIAL WASTE MANIFES

	GENE	ERATOR		
Generator Name	dharacter, av. 1:577.	Generating Location		
Address	1991 GLASSONER AVERBE	Address		
	OAKLAND, CA 54612	. OARLAND, CA 91810		
Phone No. 4 BFI Waste Code	1 5 — 2 5 5 0 8 6 0 C A 4 0 5 1 1 2 6 9 3 Description of Waste	Phone No. 4 1 5 — 2 5 5 0 8 6 0 6 4 4 7 5 Containers Type Quantity Units No. Type D - Drui		
	SOM2	in free liquid as defined by 40 CFR Part 260.10 or any applicab		
state law, is classified and	not a hazardous waste as defined by 40 CFR Paragent Name Name To a state of the s	rtation according to applicable regulations.		
	TRANS			
Truck No. <u>55</u>	0	Phone No.		
Transporter Name	MANLET & DON'S TRUCKING, INC.	Driver Name (Print) Bobet Winters		
Address	SOUR ELLER CREEK BOAD	Vehicle License No./State 9006255		
•	SACPAMENTO, CA SERVE	_ Vehicle Certification		
I hereby certify the at the generator s	at the above named material was picked up site listed above.	I hereby certify that the above named material was delivered we out incident to the destination listed below.		
Driver Signature	.701 120193 Shipment Date	Driver Signature 12019 Delivery Date		
	DEST	INATION		
Site Name	: .	Phone No. 5 1 0 — 4 4 7 0 4 9		
Address4	ONT H. VASOS FOAR, LIVERHULE,	rth ollifa		
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accura				
Name of Authorized Ag	jent Signature	Receipt Date		

TRANSPORTER RETAIN

BF1260

VASCO ROAD SANITARY LANDFILL No: 562444

ADDIVISION OF BETT BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD LIVERMORE, CA 94550 (510) 447-0491

Ticket AOE724 12/01/93 09:18 am Customer: MANLEY & SONS

LNS #754

Volume Contents Rate

WARNING: Transporting any unauthorized hazardous wasta to this facility for disposal?** prohibited by law. Persons violating the prohibition are subject to civil and criminally prosecution.

18.00 YD SPECIAL

Account : 1008754

Manifest: 956187 P.O. No : GLASSCOCK

Checker : MARK

TOTAL

Truck

All children must remain in vehicles. Absolutely no salvaging allowed.

Ninôs deben de permaneceren en los carros a todas horas.

No se permite llever cosas del dompe absolutamente.

THANK YOU FOR YOUR BUSINESS!!

DRIVER

BFI260-720



NON-HAZARDOUS SPECIAL WASTE MANIFEST

1 1. 12		GEŅ	IERATOR '		
Generator Name _	2001 84.42.2008	å - Er10 +	Generating Location Address	CONTRACTOR OF CO	T. A. Trime
Phone No. 4	1 5 - 2 5 5 0 C A 4 0 5 Description of Wa	8 6 0 1 1 2 6 9	Phone No. 4 1 5 3 6 4 4 7 5 Quantit	2 5 5 0 8 Contai	3 6 0
classified and p	packaged, and is in proper	defined by 40 CFR F condition for transposition	ain free liquid as defined be lart 261 or any applicable ortation according to applic	state law has been no	r any anglicable
		TRAN	SPORTER		
Truck No. 271- / Transporter Name . Address	MARLEY & TORS	SEK PHAD	_ Phone No	te 9C 411/54	
I hereby certify that	the above named materia		I hereby certify that the	above named material v	
at the generator site		Shipment Date	Out incident to the destin		C 1 9 3 Delivery Date
Site Name	(m.l.a. VAJOV ED.		Phone No. 5	1 0 -4 4 7	0 4 9 1
	the above named material	has been accepted	and to the best of my know	ledge the foregoing is tr	ue and accurate.
of Authorized Agent		Signature	. /-	and 8	Receipt-Date
		360			

(510) 447-0491 Ticket : A08787 12/01/93 11:00 am -Cuştomer: MANLEY & SONS Account : 1008754 LMS #754 Truck Manifest: 956190 P.O. No : GLASSCOCK WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution. Checker : MIKE Volume Contents Rate Charge 1111 18.00 YD SPECIAL All children must remain in vehicles. Absolutely no salvaging allowed. TOTAL Ninôs deben de permaneceren en los carros a todas horas. THANK YOU FOR YOUR BUSINESS!!! No se permite llever coses del dompe absolutamente. 57,600 unni nnnn DRIVER

BROWNING-FERRIS INDUSTRIES

4001 VASCO ROAD LIVERMORE, CA 94550

A DIVISION OF



NON-HAZARDOUS SPECIAL WASTE MANIFEST

		GENE	RATOR		
Generator Name	Challeder, The	24.54	Generating Location _	Aleka in enin	
Address	2001 GLAUDCOCK	AVEREE	Address	1001 013	STOCK AVENUE
	OMELAPD, CA 04	911		CAELAND. (M 54611
Phone No. 4	1 5 - 2 5 5 0	8 6 0	Phone No.		0 8 6 0
BFI Waste Code	C A 4 0 5 1 Description of Was	1 2 6 9 3 ste	6 4 4 7 5 Quanti		ontainers Type D - Drum C - Carton
	SOIL				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.					
まご	0100F	Kar Sh	who have	12 /	13
Generator Authorized Ag	gent Name	Signature	/	Shipment Date	
	A Arriver Arriver	TRANS	PORTER		
-14-7					
Truck No717			Phone No		
	HADLEY & BONZ		Driver Name (Print)	3:11 FA	BNCC
		TENCKING, INC		3:11 FA	BNCC
Transporter Name	HARLEY & 20MA	TINCKING, INC IEK BOAD	Driver Name (Print)	3:11 FA	BNCC
Address	HARLEY & 20NA 2306 FLORE PAE DACKAMENTO, FA	TINCKIMA. INC IEK BOAD 5627	Driver Name (Print)	tate 70002	erial was delivered with
Address	HARLEY & 20NA 2306 FLORE PAE DACKAMENTO, FA	TINCKIMA. INC IEK BOAD 5627	Driver Name (Print)	tate 700022 e above named mat tination listed below	erial was delivered with
Address I hereby certify the at the generator si	HARLEY & 20NA 2306 FLORE PAE DACKAMENTO, FA	THREE BOAD SALES I was picked up Shipment Date	Driver Name (Print)	tate 700022 e above named mat tination listed below	terial was delivered with
Address I hereby certify the at the generator si	HANLEY & BOND 306 FLOCK CEE MACKANENTO. CA at the above named material ite listed above.	THREE BOAD SALES I was picked up Shipment Date	Vehicle License No./S Vehicle Certification _ I hereby certify that the out incident to the des	tate 700022 e above named mat tination listed below	terial was delivered with
Address I hereby certify the at the generator si	HANLEY & BOND 306 FLORE PER NACKAMENTO. 62 at the above named material ite listed above.	THATELIAN THE DESTIL	Vehicle License No./S Vehicle Certification I hereby certify that the out incident to the desertion priver Signature NATION Phone No. 5	tate 700022 e above named mat tination listed below	terial was delivered with
Transporter Name Address I hereby certify that the generator state of the property of the pr	HANLEY & BOND 306 FLORE PER NACKAMENTO. 62 at the above named material ite listed above.	THREE BOAD SALES I was picked up Shipment Date	Vehicle License No./S Vehicle Certification I hereby certify that the out incident to the desertion priver Signature NATION Phone No. 5	tate 700022 e above named mat tination listed below	terial was delivered with
Transporter Name Address I hereby certify that the generator signature Driver Signature Site Name Address	HANLEY & BOND 306 FLORE PER NACKAMENTO. 62 at the above named material ite listed above.	THREE INT. THE DEK BOAD I was picked up 2 / 9 3 Shipment Date DESTIL	Vehicle License No./S Vehicle Certification I hereby certify that the out incident to the desertive Signature NATION Phone No. 5	tate 700022 e above named mattination listed below	terial was delivered with the delivery Date Delivery Date 4 7 0 4 9 1
Transporter Name Address I hereby certify that the generator signature Driver Signature Site Name Address	HANGEY & BOND 2306 FLORE CRE DACKAMENTO. CA at the above named material ite listed above. / // // // // // // // // /	THREE INT. THE DEK BOAD I was picked up 2 / 9 3 Shipment Date DESTIL	Vehicle License No./S Vehicle Certification I hereby certify that the out incident to the desertive Signature NATION Phone No. 5	tate 700022 e above named mattination listed below	terial was delivered with the delivery Date Delivery Date 4 7 0 4 9 1

BFI260-720

PASS CODE _

BROWNING-FERRIS INDUSTRIES 4001 VASCO ROAD LIVERMORE, CA 94550 (510) 447-0491 : A08707 12/01/93 08:46 am Customer: MANLEY & SONS -cunt : 1008754 LMS #754 Truck Manifest: 956197 P.O. No : GLASSCOCK WARNING: Transporting any unauthorized hazerdous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal Checker : MARK prosecution. Contents Change Rate Volume 18.00 YD SPECIAL All children must remain in vehicles. TOTAL Absolutely no salvaging allowed. Ninôs deben de permaneceren en los carros . a todas horas. THANK YOU FOR YOUR BUSINESS!!! No se permite llevar cosas del dompe absolutamente. DRIVER



NON-HAZARDOUS SPECIAL WASTE MANIFEST

GEN.	ERATOR
erator NameGLACING + E. AV., T.APTINET.	Generating Location CLACA DESCRIPTION AND A REPORT OF THE COMMENT OF THE CO
Address2001 GLANDFOCK AVENUE	Address NAST STADDONE W. AVINDE
CARLANI. CA 04612	GANLANE, CA 54012
Phone No. 4 1 5 —2 45 5 0 8 6 0	Phone No. 4 1 5 — 2 5 5 0 8 6 0
BFI Waste Code C A 4 0 5 1 1 2 6 9 3 Description of Waste	Guantity Units No. Type D - Drum
SOIL	C - Carton B - Bag T - Truck P - Pounds Y - Yards
	O - Other
I hereby certify that the above named material does not conta state law, is not a hazardous waste as defined by 40 CFR Pa classified and packaged, and is in proper condition for transpo	in free liquid as defined by 40 CFR Part 260.10 or any applicable art 261 or any applicable state law, has been properly described, rtation according to applicable regulations.
Generator Authorized Agent Name Signature	12 182
	•
TRANS	PURTER
Truck No. 211-3	Phone No.
Transporter Name HAMERY & AURA TRUMPING LIBER	
Address AAAA HIDEF AFBET FOAD	Vehicle License No./State
SACEAHENTO, CA 95820	. Vehicle Certification
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.
Best France 12 193 Driver Signature Shipment Date	Driver Signature 12 19 3 Delivery Date
DEST	NATION
Site Name	Phone No. 5 1 0 — 4 4 7 0 4 9 1
Address 4001 N. VANCO BOAD, LIVELMOSE.	15. 15.
hereby certify that the above named material has been accepted a	nd to the best of my knowledge the foregoing is true and accurate.
lame of Authorized Agent Signature	11/1 12011B
Signature (3) 160	Receipt Date
<i>y</i> /-	PASS CODE

TRANSPORTER RETAIN

BFI260-720

BROWNING-FERRIS INDUSTRIES 4001 VASCO ROAD LIVERMORE, CA 94550 (510) 447-0491 : A08750 12/01/93 10:18 am Customer: MANLEY & SONS Account : 1008754 LMS #754 Manifest: 956188 WARNING: Transporting any unauthorized . UNI What hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal P.O. No : GLASSCOCK Checken : MIKE prosecution. Volume Contents Rate Change 18.00 YD SPECIAL All children must remain in vehicles. Absolutely no salvaging allowed. Ninôs deben de permaneceren en los carros THANK YOU FOR YOUR BUSINESS!!! No se permite llevar cosas del dompe absolutamente. DRIVER

Truck

TOTAL

DRIVER

10/86

Waste	No. 956188
OWNING-FERRIS INDUSTRIES NON-HAZARI	DOUS SPECIAL WASTE MANIFEST
GENI	ERATOR
Generator Name	Generating Location
Address DAELAND, CA 94612	Address Address
	OAKLAND, CV 01010
BFI Waste Code C A 4 0 5 1 1 2 6 9	3 6 4 4 7 5 Containers Type
Description of Waste	Quantity Units No. Type C - Carton B - Bag
SOIL	T - Truck P - Pounds Y - Yards
	O - Other
 I hereby certify that the above named material does not conta state law; is not a hazardous waste as defined by 40 CFR Pa classified and packaged, and is in proper condition for transport 	in free liquid as defined by 40 CFR Part 260.10 or any applicable art 261 or any applicable state law, has been properly described,
,	Tation according to applicable regulations.
Generator Authorized Agent Name Signature	Shipment Date
Inalia	SPORTER
Truck No. 271-10	Phone No.
Transporter Name HANLEY & SORG TRUCKING, IP.	Driver Name (Print) LICHARD BACKUM
Address See 8006 ELDER OTEEE POAD	Vehicle License No./State 4710397
SACRAMENTO, CA / 05018	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.
Oriver Signature Shipment Date	Driver Signature Delivery Date
DEST	NATION
Site Name	Phone No. 5 1 0 — 4 4 7 0 4 9 1
Address	
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.
ne of Authorized Agent Signature	/2 0 7 } Receipt Date
	PASS CODE

TRANSPORTER RETAIN

BFI260-720

APPENDIX G (Health & Safety Plan)

HEALTH & SAFETY PLAN

FOR

Underground Tank Removal

At

Buran Partners Warehouse

2901. Glascock Avenue

HEALTH & SAFTEY PLAN

1.0 SITE HEALTH AND SAFETY OFFICER

The site Health and Safety Officer is Donald W. James Jr.. He is in charge of briefing all employees and subcontractors on the following Health and Safety issues on a daily basis.

2.0 PHYSICAL HAZARDS ASSESSMENT

The site facility includes physical hazards associated with industrial facilities. In field activities, potential physical hazards may include:

- Heavy Equipment
- Vehicular traffic
- Holes or uneven pavement
- Precariously positioned objects (drums, unused equipment, etc.)
- Sharp objects such as nails, metal shards, and broken glass
- Slippery surfaces
- Overhead power lines
- Electrically powered hand tools
- Flammable materials
- High noise levels
- Sudden and startling noises
- Strain/over exertion
- Heat stress

3.0 EDUCATION AND TRAINING

Each Pacific Rim employee assigned to participate in field activities will complete a health and safety training course before work begins. As a minimum the training program shall address the following:

- Chemical toxicity
- Personnel safety equipment
- Decontamination procedures
- Medical examinations
- Hazard recognition
- Hazard avoidance
- Questions and answers

Upon completion of the training, each employee will sign a training record. Additional training will be provided on an annual basis and as necessary for this project.

4.0 SAFETY PRACTICES

While working around any hazardous or potentially hazardous substance or situation, site personnel should plan all activities before starting any task. Site personnel should identify health and safety hazards involved with the planned work, and consult with the PSO or SSO as to how the task can be performed in the safest manner. Prior to initiation of field activities, the SSO or PSO shall conduct a health and safety briefing so that field staff are informed of potential hazards and required personal protective equipment and questions can be answered. After completion of the briefing, the SSO or PSO will complete a briefing form and field staff will initial that form. Appendix B contains an example Health and Safety briefing form.

For chemical hazards, all routes of excessive exposure must be protected. Protection of the four basic routes of exposure (inhalation, skin adsorption, ingestion, and eye contact) and adherence to general safety practices shall be required.

4.1 Ingestion

Because the hands can be a carrier of hazardous materials to the mouth when eating, drinking, chewing or smoking, these activities are prohibited during and after work until decontamination procedures have been completed. No food or liquids shall be consumed in the hazard area. Furthermore, liquids shall not be piped or siphoned by mouth under any circumstances. The hands and face should be thoroughly washed upon leaving the work areas, and before eating, drinking, or any other ingestion occurs.

4.2 Eye Contact

The following precautions shall be taken to avoid eye injury while working on the site:

- Wear appropriate safety goggles or glasses
- Do not rub eyes while working
- Do not wear contact lenses when working in areas where hazardous materials may be encountered. OSHA regulations do not allow contact lenses to be worn while using a respirator.

5.0 GENERAL SAFETY

Field personnel shall observe the following general safety practices during field activities at the site.

- Wear protective equipment and clothing provided, when required.
- Wear approved hard hats in all construction areas and during drilling activities.
- Wear safety glasses or face shields whenever the situation may pose an eye hazard.
- Wear hearing protection when performing tasks around heavy equipment which emits noise levels greater than 85 dBA, such as soil compacting equipment, drilling equipment, excavators, vapor blowers, etc..
- Wear sturdy work boots or shoes at the site. Steel-toed boots are required during drilling and excavation activities.
- Prevent spillage of hazardous materials.
- Prevent splashing of hazardous materials.
- Prevent back injury by never lifting or carrying a load that is more than you can comfortably handle. When lifting heavy objects, use a truck-mounted hoist, or lift by bending the knees and using leg muscles.
- Keep heat sources away from combustible liquids, gases or any flammable materials. When working in areas where combustible gases are present, use only intrinsically safe equipment (non-sparking).

- Field personnel should be familiar with the physical characteristics of field activities including wind direction, accessibility to safety equipment and vehicles, areas of known contamination, access routes and nearest water source.
- The number of field personnel and equipment should be minimized to the extent necessary to perform the task at hand and in accordance with good safety practices.
- All wastes generated during field activities shall be disposed of as directed by the PM.
- Inspect power cords for damage (cuts, frays, etc.).
- When in doubt, it is better over-protected.
- A first aid kit and a type-ABC fire extinguisher shall be kept on-site in a field vehicle when performing field work.
- Adequate toilet facilities and water supplies shall be located near the site. If not available, a drinking water supply and a portable toilet facility shall be made available.

6.0 HEAT STRESS

Heat stress is a major hazard, especially for workers wearing protective clothing in hot weather. The same protective materials that shield a body from chemical exposure also limit the dissipation of body heat and moisture. Personal protective clothing can, therefore, create a hazardous situation. Depending on the ambient conditions and the work activities, heat stress can occur rapidly - within as little as 15 minutes. It can pose as great a danger to worker health as chemical exposure.

To avoid heat stress, replace liquids frequently by drinking water. Drinking water supplies shall be stored away from the field activity area, preferably upwind. Take rests periodically and at the first sign of heat stress (rashes, cramps, discomfort, drowsiness, etc.), remove the affected personnel from hazard area and evaluate the need for medical attention and/or modifications to the field activities and schedule.

7.0 PERSONNEL PROTECTIVE EQUIPMENT

Personnel protective equipment required for field activities will be as follows:

- Normal work uniform
- Hard leather shoes or boots
- Hard hat
- Safety goggles or glasses

Additional personnel protective equipment shall be worn when noise exposure exceeds 85 dBA, such as during drilling, excavation, or vapor sampling activities, as follows:

Ear Plugs

Additional personnel protective equipment shall be worn when contaminated materials may come in contact with skin, such as during soil logging, soil sampling, water sampling, or vapor sampling, as follows:

- Gloves (Edmont Solvex or equivalent)
- Face shield when splash hazard exists

Additional personnel protective equipment shall be worn when volatile organic chemical concentration in ambient air exceed 10 ppm as measured by an OVM capable of detecting 1.0 ppm, as follows:

- Respirator with an organic vapor adsorption cartridge
- Disposable coveralls (Tyvec or Saranax)

Should volatile organic vapors in ambient air exceed 100 ppm as measured by an OVM:

- Field activities will be ceased, field staff will evacuate to a safe location, and the SSO will control access to the field activity area. The SSO or designee will also contact the PSO and/or PM for instructions on how to proceed.

8.0 EMERGENCIES

In the event of an accident, the procedures listed below are to be followed immediately. Emergency conditions are considered if:

- Any member of the field crew is involved in an accident (physical or chemical), or experiences adverse effects or symptoms of exposure while onsite.
- A condition is discovered suggesting a situation more hazardous than anticipated.

9.0 EMERGENCY PROCEDURES

The following emergency procedures will be followed in the order indicated:

- 1. Remove the injured or exposed person from immediate danger, if possible without endangering rescuing staff.
- 2. If a serious or life-threatening condition exists, <u>CALL PARAMEDICS</u> (911) that an injury has occurred. The location, injury, and conditions shall be clearly described to the ambulance dispatcher. The SSO will designate a person to direct emergency equipment to the injured persons.

- 3. If there is any question as to the nature of injury, or what should be done, call the emergency number below:
- 4. Call the PSO/PM Office (415) 255-0860 PM Home (415) 928-4941 PSO Home (415) 695-2704
- 5. Evacuate other on-site personnel to a safe place until PSO determines that it is safe for work to resume.
- 6. Steps to prevent a reoccurrence of the accident should be implemented immediately.

10.0 EMERGENCY TELEPHONE NUMBERS

When emergency condition occurs at the site, the following telephone numbers should be used to notify emergency response personnel:

- Paramedics, Ambulance, Fire Department, and Police Department Dial 911.
- If unable to get an immediate response using 911

- Fire Department (415) 444-3322 - Police Department (415) 238-3481 - Alameda Hospital (415) 522-3700

File	No.	

HEALTH AND SAFETY BRIEFING FORM

Project No6985		Project	Name: <u></u>	LASC	COCK TANK REMOVA			
Project Manager: DON JAMES			Project Manager:					
Site Safety Officer: Don JAMS S			Date of H & S Plan: 1-28-92					
Copy of Plan On-Site? Yes No	y of Plan On-Site? Yes No			Required Level of Protection: LISTEL				
Air Sampling Equipment/Methods:	JA	•			Allham			
Respirator Cartridges: ~ ~ / ^								
Staff In Attendance	Read Plan	H & S H & S Equipment			Staff Members Initials			
Sample ned.	Yes	No	Yes	No				
	Yes	No	Yes	No				
	Yes	No	Yes	No	<u> </u>			
	Yes	No	Yes	No				
	Yes	No	Yes	No	•			
	Yes	No	Yes	No	***************************************			
	Yes	No	Yes	No				
SUBCONTRACTORS	Yes	No	Yes	No				
	Yes	No	Yes	No				
	Yes	No	Yes	No				
	Yes	No	Yes	No				
	Yes	No	Yes	No				
	Yes	No	Yes	No				
	Yes	No	Yes	No				
	Yes	No	Yes	No				
	Yes	No	Yes	No				
	Yes	No	Yes	No				
	Yes	No	Yes	No	_			

HAZARDOUS MATERIALS HANDLING & RESPONSE COURSE

This is to certify that

DON W. JAMES, JR.

has completed the requirements under OSHA 1910.120, topics included:

- Site Layout
- Site Safety Plans
- Monitoring Equipment
- "Right to Know" Laws
- Medical Monitoring/Heat Stress
- Decontamination Procedures
- UST Removal Procedures
- Hazardous Materials ID Systems

Course Dates

Expiration Date Examination Date Certificate#

10/28-31/92

10/31/93

10/31/92

JH92-1003

AMERICAN ENVIRONMENTAL TRAINING INSTITUTE 1-800-995-1435

HAZARDOUS MATERIALS HANDLING & RESPONSE COURSE

This is to certify that

PETER A. SCHAFFER

has completed the requirements under OSHA 1910.120, topics included:

- Site Layout
- Site Safety Plans
- Monitoring Equipment
- "Right to Know" Laws
- Medical Monitoring/Heat Stress
- Decontamination Procedures
- UST Removal Procedures
- Hazardous Materials ID Systems

Course Dates

Expiration Date Examination Date Certificate#

10/28-31/92

10/31/93

10/31/92

JH92-1002

AMERICAN ENVIRONMENTAL TRAINING INSTITUTE 1-800-995-1435

HAZARDOUS MATERIALS HANDLING & RESPONSE COURSE

This is to certify that

TIM J. PETERSON

has completed the requirements under OSHA 1910.120, topics included:

- Site Layout

- Site Layout
 Site Safety Plans
 Medical Monitoring/Heat Stress
 Decontamination Procedures
 UST Removal Procedures
 Hazardous Materials ID Systems

Course Dates

Expiration Date Examination Date Certificate#

10/28-31/92 10/31/93 10/31/92 JH92-1001

AMERICAN ENVIRONMENTAL TRAINING INSTITUTE 1-800-995-1435

HAZARDOUS MATERIALS HANDLING & RESPONSE COURSE

This is to certify that

MICHAEL D.K. MULLIN

has completed the requirements under OSHA 1910.120, topics included:

- Site Layout
 Site Safety Plans
 Medical Monitoring/Heat Stress
 Decontamination Procedures
 UST Removal Procedures
 Hazardous Materials ID Systems

Course Dates

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10/31/93

10/31/92

JH92-1005

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