

Mission Taylor Properties

San Francisco, CA

ENSR

Tank Closure Report

ENSR Consulting and Engineering

January 1991

Document Number 4682-001-300



ENSR Consulting
and Engineering
1320 Harbor Bay Parkway
Alameda, CA 94501
(415) 865-1888

91 JAN 28 PM 12:07

January 25, 1991

Mr. Dennis Byrne
Alameda County Health Department
80 Swan Way, Room 200
Oakland, CA 94621

RE: Tank Closure for 1410 64th Street, Emeryville, CA

Dear Mr. Byrne:


Enclosed is a copy of the Tank Closure Report for the above referenced property.

This report is submitted on behalf of the Lowenberg Corporation, the owner of the property.

If you have any questions regarding this report, or require additional information, please give me a call.

Sincerely,

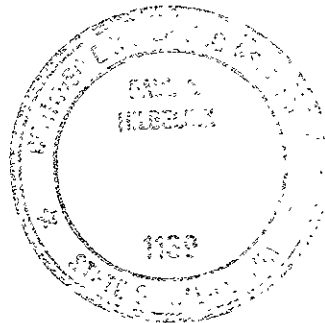

Jolyan Sheldon
Senior Project Manager


Paul Hilbelink, C.E.G.
Manager, Geological Sciences

JS:dg

Reference No. 4682-001-300

Enclosure



TANK CLOSURE REPORT

Prepared for:

Mission Taylor Properties
San Francisco, CA

Prepared by:

ENSR Consulting and Engineering
1320 Harbor Bay Parkway
Alameda, California 94501

January 14, 1991

Document Number 4682-001-300

CONTENTS

1.0 INTRODUCTION 1-1

2.0 TANK REMOVAL 2-1

 2.1 Soil Sample Collection 2-1

 2.2 Analytical Results 2-1

3.0 EXCAVATION MATERIAL SAMPLING AND DISPOSAL 3-1

 3.1 Groundwater 3-1

 3.2 Soil 3-1

4.0 GROUNDWATER INVESTIGATION 4-1

 4.1 Soil Sampling 4-1

 4.2 Groundwater Sampling 4-1

 4.3 Analytical Results of Soil Samples 4-1

 4.4 Analytical Results of Groundwater Sampling 4-2

5.0 SUBSEQUENT GROUNDWATER SAMPLING 5-1

 5.1 Analytical Results 5-1

6.0 GEOLOGY AND HYDROGEOLOGY 6-1

 6.1 Regional Geology and Hydrogeology 6-1

 6.2 Local Geology and Hydrogeology 6-1

7.0 CONCLUSIONS 7-1

8.0 RECOMMENDATIONS 8-1

APPENDICES

- A LOCATION MAPS
- B PERMITS
- C MANIFEST (USTs)
- D LABORATORY REPORT (EXCAVATION SAMPLES)
- E LABORATORY REPORTS (EXCAVATION WATER)

CONTENTS
(Cont'd)

APPENDICES (Cont'd)

- F MANIFEST (EXCAVATION WATER)
- G LABORATORY REPORTS (EXCAVATION SOIL)
- H MANIFEST (EXCAVATION SOIL)
- I LABORATORY REPORTS (SOIL SAMPLES)
- J LABORATORY REPORTS (GROUNDWATER SAMPLES)
- K LABORATORY REPORTS (GROUNDWATER SAMPLES)
- L BORING LOGS

LIST OF TABLES

Table 1 Summary of Soil Analytical Results 2-2
Table 2 Summary of Soil Analytical Results 4-2
Table 3 Summary of Groundwater Analytical Results 4-3

1.0 INTRODUCTION

On February 23, 1990, RAMCON, under contract with Mission Taylor Properties, removed two underground storage tanks (USTs) at 1410 64th Street in Emeryville, California. A site location map, Figure 1, is included in Appendix A. One UST had a capacity of 1,000 gallons and contained gasoline, the other UST had a capacity of 10,000 gallons and contained diesel fuel. A copy of the permits are included in Appendix B.

2.0 TANK REMOVAL

During removal of the USTs, Dennis Byrne of the Alameda County Health Care Agency and the City of Emeryville Fire Marshall, were on-site to inspect tank removal operations.

The USTs appeared in good condition, and no signs of tank or piping leaks were observed. However, the tanks were submerged in approximately two feet of water, and water was seeping into the excavation from a conduit in the side wall created by a utility line running across the gasoline tank. Upon removal of the USTs, the water level rose to seven feet below grade resulting in approximately seven feet of water in the bottom of the excavation. The water originally in the excavation, as well as the water seeping in the side wall had an odor and an oily sheen.

The USTs were transported by and disposed of at H&H Ship Service Company. A copy of the manifests and disposal certificate is included in Appendix C.

2.1 Soil Sample Collection

A Dames & Moore engineer was on-site during tank removal activities to collect soil samples from the tank excavation, under the direction of Mr. Byrne.

Four soil samples were collected from the side walls of the excavation, above the water level. Samples 1 and 2 were collected near the diesel tank at six and five feet below grade, respectively. Samples 3 and 4 were collected near the gasoline tank at six and five feet below grade, respectively (Figure 2, Appendix A).

The samples were transported to Acculab Environmental Services for analysis of Total Petroleum Hydrocarbons (TPH) as diesel by EPA Method 3550/8015, TPH as gasoline by EPA Method 5020/8015, and benzene, toluene, xylene, ethylbenzene (BTEX) by EPA Method 8020.

2.2 Analytical Results

Gasoline was detected in all four samples analyzed, ranging from 77 to 270 mg/kg. Diesel was detected in all four samples ranging from 740 to 2000 mg/kg. Also detected was benzene (0.22 to 0.99 mg/kg); toluene (0.36 to 2.0 mg/kg); and xylene (2.0 to 6.9 mg/kg). Ethylbenzene was detected in samples 3 and 4 only, at concentrations of 0.55 and 0.83 mg/kg, respectively. The

analytical results are summarized in Table 1 below. A copy of the laboratory report is included in Appendix D.

Table 1
Summary of Soil Analytical Results

Analysis	Sample Number/Depth				Detection Limit (mg/kg)
	1/6.0 ft.	2/5.0 ft.	3/6.0 ft.	4/5.0 ft.	
Diesel	2000.0	1500.0	740.0	810.0	5.0
Gasoline	220.0	270.0	200.0	77.0	5.7
Benzene	0.39	0.22	0.37	0.99	0.19
Toluene	2.0	1.2	1.4	0.36	0.19
Xylene	5.6	6.9	5.4	2.0	0.19
Ethylbenzene	*	*	0.55	0.83	0.19

* Not detected.
All results reported in mg/kg.

3.0 EXCAVATION MATERIAL SAMPLING AND DISPOSAL

3.1 Groundwater

A sample of the water in the excavation was collected for laboratory analysis for diesel and gasoline using EPA Method 8015-Modified, and BTEX using EPA Method 602.

Gasoline and diesel were detected at a concentration of 14 mg/l and 410 mg/l, respectively. Benzene, toluene and ethylbenzene were each detected at a concentration of 0.14 mg/l, and xylene was detected at a concentration of 1.1 mg/l. A copy of the laboratory report is included in Appendix E.

Approximately 15,000 gallons of water from the excavation was pumped and hauled by MP Vacuum Truck Service to Gibson Oil & Refining Co., Inc. for disposal. A copy of the manifests and receipts are included in Appendix F.

3.2 Soil

Two samples of the excavated soil were collected for laboratory analysis for diesel and gasoline using EPA Method 8015-Modified, and BTEX using EPA Method 602.

Diesel was detected at concentrations of 8,500 mg/kg and 2,500 mg/kg. Gasoline was detected at 550 and 110 mg/kg. Also detected was benzene (0.44 and 1.2 mg/kg); toluene (4.8 and 0.74 mg/kg); xylene (17 and 2.3 mg/kg); and ethylbenzene (1.8 and 0.4 mg/kg). A copy of the laboratory report is included in Appendix G. The excavated soil was disposed of at Liquid Waste Management, a Class II facility. A copy of the manifest is included in Appendix H.

4.0 GROUNDWATER INVESTIGATION

As a result of petroleum compounds detected in the soil and groundwater samples collected from the tank excavation, a groundwater investigation was implemented.

On April 12, 1990, Dames & Moore drilled three soil borings to a depth of 15 feet below ground surface. All three borings were converted to 2-inch PVC monitoring wells, TMW-1, TMW-2 and TMW-3. TMW-1 and TMW-2 are located hydrologically up-gradient of the excavation. TMW-3 is located in the general down-gradient direction (Figure 2, Appendix B).

4.1 Soil Sampling

Soil samples were collected from each boring at 18-inch intervals, from the surface to a 10-foot depth; a final sample was collected at 15 feet.

Two soil samples from the unsaturated zone of each boring were submitted to ACCULAB Environmental Services, Petaluma, California. Soil samples were analyzed for TPH as gasoline by EPA Method 5020, TPH as diesel by EPA Method 3550, and BTEX by EPA Method 8020.

4.2 Groundwater Sampling

Groundwater samples were collected by Dames & Moore from each of the three wells on April 13, 1990. Samples were collected in laboratory-provided containers, stored on ice and shipped to the laboratory. All samples were analyzed for TPH as gasoline by EPA Method 5030, TPH as diesel by EPA Method 3510, and BTEX by EPA Method 602.

4.3 Analytical Results of Soil Samples

The 1.5 foot and 5.25 foot soil samples were analyzed from the two upgradient borings TMW-1 and TMW-2. Gasoline was detected in all four samples ranging from 16 mg/kg to 3,900 mg/kg. Diesel was detected in the 5.25 foot samples only, with concentrations of 16 mg/kg and 230 mg/kg.

The 3.25 foot and 5.25 foot soil samples were analyzed in the downgradient well, TMW-3. None of the compounds analyzed for were detected in either sample.

A summary of the analytical results are presented in Table 2 below. A copy of the laboratory report is included in Appendix I.

Table 2
Summary of Soil Analytical Results

Analysis	TMW-1		TMW-2		TMW-3		Detection Limit (mg/kg)
	1.5 ft.	5.25 ft.	1.5 ft.	5.25 ft.	3.25 ft.	5.25 ft.	
Diesel	*	230.0	*	16.0	*	*	5.0
Gasoline	16.0	3900.0	19.0	220.0	*	*	0.05
Benzene	0.59	75.0	0.33	7.3	*	*	0.001
Toluene	0.11	85.0	0.08	8.6	*	*	0.001
Xylene	0.73	120.0	0.56	6.6	*	*	0.001
Ethylbenzene	*	43.0	*	2.7	*	*	0.001

* Not detected
All results reported in mg/kg.

4.4 Analytical Results of Groundwater Sampling

Gasoline was detected in TMW-1 and TMW-2 at concentrations of 0.56 mg/l and 0.14 mg/l, respectively. Also detected in TMW-1 and TMW-2 was benzene (0.01 mg/l), xylene (0.3 and 0.007 mg/l), and ethylbenzene (0.01 and 0.002 mg/l). None of the compounds analyzed for were detected in the downgradient well, TMW-3. Analytical results are summarized in Table 3 below. A copy of the laboratory report is included in Appendix J.

Table 3
Summary of Groundwater Analytical Results

Analysis	TMW-1	TMW-2	TMW-3	Detection Limit (mg/l)
Diesel	*	*	*	0.10
Gasoline	0.56	0.14 ✓	*	0.05
Benzene	0.01	0.01	*	0.001
Toluene	<0.002	*	*	0.001
Xylene	0.03	0.007	*	0.001
Ethylbenzene	0.01	0.002	*	0.001
* Not detected. All results reported in mg/l.				

5.0 SUBSEQUENT GROUNDWATER SAMPLING

On November 30, 1990, John Koos of ENSR collected groundwater samples from the existing monitoring wells TMW-1, TMW-2 and TMW-3. The samples were collected in laboratory supplied containers, placed in ice, and delivered to Curtis & Tompkins Laboratories under chain-of-custody.

The samples were analyzed for diesel by EPA method 8015-modified and gasoline and BTEX by EPA Method 8020.

5.1 Analytical Results

Neither gasoline nor diesel was detected in any of the wells. Benzene and ethylbenzene were detected in ~~TMW-1~~, each at a concentration of 3.2 $\mu\text{g}/\text{l}$ and benzene was detected in TMW-2 at a concentration of 3.8 $\mu\text{g}/\text{l}$. A copy of the laboratory report and chain-of-custody form is included in Appendix K.

6.0 GEOLOGY AND HYDROGEOLOGY

6.1 Regional Geology and Hydrogeology

The site is located on the Berkeley Bay Plain. The Berkeley Bay Plain is one of several alluvial plains which lie between the East Bay hills and San Francisco Bay. Bay plain sediments of the East Bay consist of a mixture of gravels, sands, and clays of late Pliocene to late Pleistocene age. These sediments were deposited by ancient streams flowing westward from the East Bay hills. Closer to the Bay, these sediments interfinger with bay muds deposited by San Francisco Bay.

Groundwater occurs in discontinuous layers and lenses of sand and gravel to depths of up to 1000 feet. Many of the aquifers are confined, but unconfined and perched conditions also occur. Regional groundwater flow in the area is westward, towards San Francisco Bay.

6.2 Local Geology and Hydrogeology

The site is generally underlain by laterally discontinuous silty and sandy clays to a depth of 15 feet. A brown, sandy unit was noted in two of the borings (TMW-2 and TMW-3) at depths ranging between nine and fifteen feet. Logs of the borings are presented in Appendix L.

Groundwater was first encountered at a depth of about 7.5 feet during drilling operations on April 12, 1990. Subsequent water level measurements in each of the three monitoring wells indicate groundwater levels at depths of 2.3 to 3.6 feet, indicating groundwater beneath the site is under confined conditions. Groundwater elevation measurements indicate groundwater flow is to the south.

7.0 CONCLUSIONS

During tank removal operations on February 23, 1990, no signs of tank or piping leaks were observed. However, approximately two feet of water was initially encountered in the excavation and additional water was seeping into the excavation through a conduit created by a utility line running across the gasoline tank. Diesel, gasoline, and BTEX was detected in the soil and groundwater samples collected from the excavation.

A groundwater investigation was implemented which included the installation of three monitoring wells. Two wells were located upgradient of the former USTs (TMW-1 and TMW-2) and one well was located in the downgradient direction (TMW-3).

Analytical results of groundwater samples collected on April 13, 1990 indicated minor levels of gasoline, benzene, xylene and ethylbenzene in the two upgradient wells only.

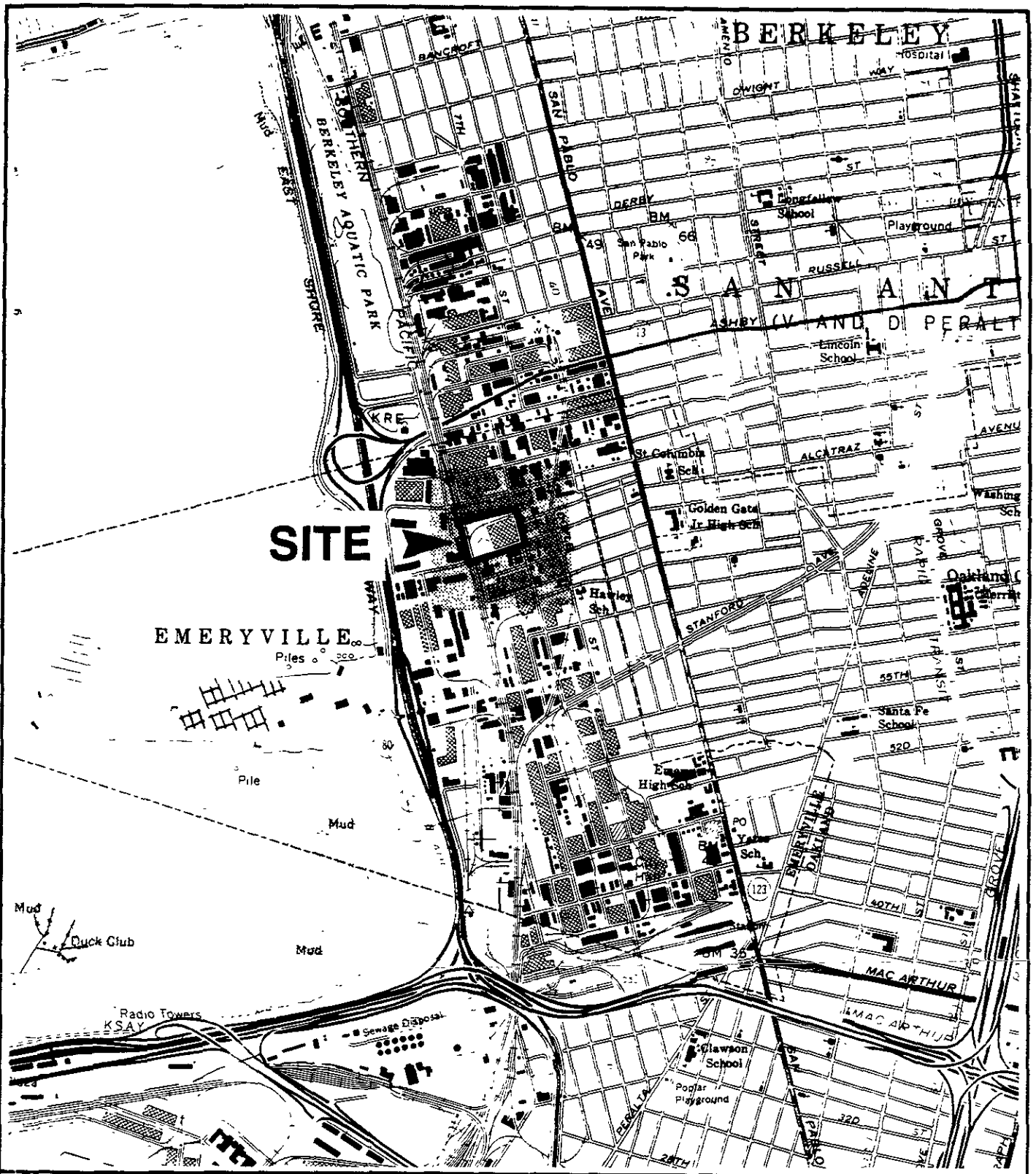
Analytical results of groundwater samples collected on November 30, 1990 indicated benzene and ethylbenzene in TMW-1 at concentrations of 3.2 $\mu\text{g/l}$ and benzene in TMW-2 at a concentration of 3.8 $\mu\text{g/l}$.

Based on these results, ENSR concludes that although petroleum compounds were detected in the soil and groundwater of the excavation, there was no indication that any releases had occurred from the USTs on-site. The contaminated soil and groundwater from the excavation has been disposed of off-site. The most recent groundwater analytical data indicate benzene and ethylbenzene in the upgradient wells only, suggesting the possibility of an upgradient source. This is further supported by upgradient contaminated groundwater flowing into the excavation through a utility conduit, and numerous properties in the surrounding area with documented soil and or groundwater contamination.

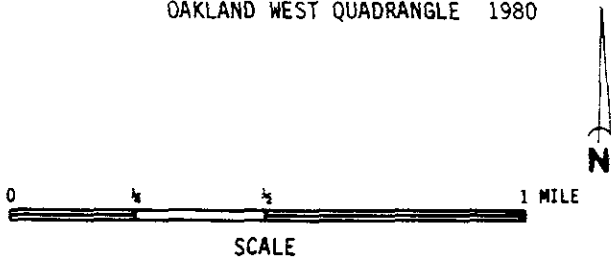
8.0 RECOMMENDATIONS

Based on the above conclusions, ENSR does not believe that additional work is warranted at this time. However, as an effort to monitor the levels of benzene migrating onto the property, Mission Taylor Properties will collect two more sets of groundwater samples from the three existing monitoring wells on-site for analysis of gasoline, diesel, and BTEX. These samples will be collected in April and July, 1991. The results will be sent to you for your review. If the levels of benzene do not increase and benzene is not detected in the downgradient well (TMW-3), no further sampling will be performed. ?

**APPENDIX A
LOCATION MAPS**



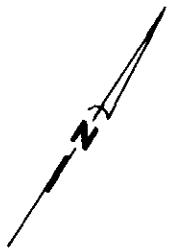
REFERENCE: USGS 7.5 MINUTE SERIES
OAKLAND WEST QUADRANGLE 1980



ENSR

SITE LOCATION MAP
MISSION TAYLOR PROPERTIES
1410 64th STREET
EMERYVILLE, CALIFORNIA

DRAWN BY <i>mm</i>	DATE. 01/10/91	PROJECT NO.. 4682-001
CHK'D BY <i>CS</i>	REVISED	DWG.NO.. FIGURE 1



TMW-2 ⊕

BUILDING

SIDWALK

HOLLIS STREET

LIMITS OF EXCAVATION

FUEL PUMP

FORMER GASOLINE UNDERGROUND STORAGE TANK

FORMER DIESEL UNDERGROUND STORAGE TANK

64th ⊕ TMW-3

TMW-1 ⊕ STREET

SCALE 0 5 10 20 FEET

STREET

EXPLANATION

- 4 SOIL SAMPLE LOCATION
- ⊕ TMW-3 SOIL BORINGS/MONITORING WELLS

ENSR™

SITE PLAN
 MISSION TAYLOR PROPERTIES
 1410 64th STREET
 EMERYVILLE, CALIFORNIA

DRAWN BY: <i>MM</i>	DATE: 01/10/91	PROJECT NO.: 4682-001
CHK'D BY: <i>JS</i>	REVISED:	DWG. NO.: FIGURE 2

APPENDIX B
PERMITS



RAMCON

Developer • Contractor • Commercial • Industrial

(916) 372-7535 FAX (916) 372-4209

St. License No. 510034

March 19, 1990

Ms. Susan Lowenberg
Mission Taylor Properties
C/O Lowenberg Corporation
44 Montgomery Street
San Francisco, CA 94104

RE: TANK REMOVAL REPORT- 1410 64TH STREET
EMERYVILLE, CA

Dear Susan,


The following information is your tank removal report for the above mentioned location.

Please refer to Mr. Mitchell Fong at Dames and Moore for your soil analysis results. His number is (415) 896-5858.

Attached you will find copies of your removal permits and certificates of tank disposal verifying that all regulatory requirements have been met.

Please give me a call if you should have any questions regarding this report.

Sincerely,



Michael S. Ramos
RAMCON

MSR:jlr

enc.

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 HAZARDOUS MATERIALS DIVISION
 80 SWAN WAY, ROOM 200
 OAKLAND, CA 94621
 PHONE NO. 415/271-4320

DEPARTMENT OF ENVIRONMENTAL HEALTH
 470 - 27th Street, Third Floor
 Oakland, CA 94612
 Telephone: (415) 874-7237

ACCEPTED

1/9/90
 SBA

Project # 565622
 Fee Paid \$ 450.00
 Date 1-9-90

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated by Department are to assure compliance with State and local laws. The project proposed herein is now referred for issuance of any required building permits for construction. One copy of these accepted plans must be on the job site available to all contractors and craftsmen involved in the removal.

Any change or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department in duplicate if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

Removal of Tank and Piping
 Sampling
 Final Inspection

Issuance of a permit to operate is dependent on compliance with a proposed plan and all plans are the owner's responsibility.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

- Business Name _____
 Business Owner Mission-Taylor Properties c/o Lowenberg Corp.
- Site Address 1410 64th Street
 city Emeryville zip 94608 Phone _____
- Mailing Address 44 Montgomery Street
 city San Francisco zip 94104 Phone _____
- Land Owner Mission-Taylor Properties c/o Lowenberg Corp.
 Address 44 Montgomery St. city, state San Francisco CA zip 94104
- EPA I.D. No. CAC000225017
- Contractor Bamcon
 Address 1401 Halvard Drive, Suite 130
 city West Sacramento CA zip 95691 Phone 916/372-7535
 License Type 'A' ID# 94-2721041
- Consultant Bamcon
 Address 1401 Halvard Drive, Suite 130
 city West Sacramento Phone 916/372-7535

8. Contact Person for Investigation

Name Susan Lowenberg Title _____
Phone 415/392-4500

9. Total No. of Tanks at facility 2

10. Have permit applications for all tanks been submitted to this office? Yes No []

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Transporter

Name Refinery Services EPA I.D. No. CAD083166728
Address P.O. Box 1171, 13331 North Highway 33
City Patterson State CA Zip 95363

b) Rinsate Transporter

Name Refinery Services EPA I.D. No. CAD083166728
Address P.O. Box 1171, 13331 North Highway 33
City Patterson State CA Zip 95363

c) Tank Transporter

Name H + H Ship Service EPA I.D. No. CAD004771168
Address 220 China Basin Street
City San Francisco State CA Zip 94107

d) Tank Disposal Site

Name H + H Ship Service EPA I.D. No. CAD004771168
Address 220 China Basin Street
City San Francisco State CA Zip 94107

e) Contaminated Soil Transporter

Name M.P. Vacuum Truck Service EPA I.D. No. CAT000624247
Address 3400 North Manor Street
City Bakersfield State CA Zip 93308

12. Sample Collector

Name Jeff Weiser
 Company Western Environmental Science & Technology
 Address 1046 Olive Drive, Suite 3
 City Davis State CA Zip 95616 Phone 916 753-9500

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
10,000	Diesel	soil and/or groundwater if present	soil / backfill interface into 2' native soil
1,000	Regular gasoline		

14. Have tanks or pipes leaked in the past? Yes [] No

If yes, describe. _____

15. NFPA methods used for rendering tank inert? Yes No []

If yes, describe. 20 lbs. dry ice per 1,000 gallon volume

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name Western Environmental Science & Technology
 Address 1046 Olive Drive Suite 3
 City Davis State CA Zip 95616
 State Certification No. 340

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
Diesel fuel	Hexane extraction for diesel 8015 modified BTX & E method 8020	GC Method
Regular gasoline fuel	Total Petroleum Hydrocarbon - for gasoline modified 8015 BTX & E method 8020	Auge & Trap

18. Submit Site Safety Plan

19. Workman's Compensation: Yes No []

Copy of Certificate enclosed? Yes [] No Previously sent

Name of Insurer State Compensation Fund

20. Plot Plan submitted? Yes No []

21. Deposit enclosed? Yes No []

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

I declare that to the best of my knowledge and belief the statements and information provided above are correct and true. I understand that information in addition to that provided above may be needed in order to obtain an approval from the Department of Environmental Health and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Signature of Contractor

Name (please type) Michael S. Ramos

Signature *Michael S. Ramos*

Date 1/9/90

Signature of Site Owner or Operator

Name (please type) Michael S. Ramos

Signature AGENT *Michael S. Ramos*

Date 1/4/90

see attached.



**BAY AREA AIR QUALITY
MANAGEMENT DISTRICT**
339 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
415/771-6000

Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

NOTIFICATION FORM

- Removal or Replacement of Tanks
- Excavation of Contaminated Soil

SITE INFORMATION

SITE ADDRESS 1410 64TH STREET

CITY, STATE, ZIP EMERYVILLE, CA 94608

OWNER NAME MISSION TAYLOR PROPERTIES & LOWENBERG CORP.

SPECIFIC LOCATION OF PROJECT _____

TANK REMOVAL CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE APPROX. 1/18/90 SCHEDULED STARTUP DATE _____

VAPORS REMOVED BY:

[] WATER WASH

[X] VAPOR FREEING (CO²)

[] VENTILATION

STOCKPILES WILL BE COVERED? YES _____ NO _____

ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):

(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME RAMCON CONTACT MICHAEL RAMOS

ADDRESS 1401 HALYARD DRIVE, SUITE 130 PHONE (916) 372-7535

CITY, STATE, ZIP WEST SACRAMENTO, CA 95691

CONSULTANT INFORMATION
(IF APPLICABLE)

NAME _____ CONTACT _____

ADDRESS _____ PHONE () _____

CITY, STATE, ZIP _____

FOR OFFICE USE ONLY

DATE RECEIVED _____ BY _____ (INIT.)

CC: INSPECTOR NO. _____ DATE _____ BY _____ (INIT.)

TELEPHONE UPDATE: CALLER _____ CHANGE MADE _____

BAAQMD N # _____

Make check payable to:

CITY OF EMERYVILLE

Mail to:

Emeryville Fire Department
Fire Prevention Bureau
6303 Hollis Street
Emeryville, CA 94608

PHONE: 655-7678
~~655-3378~~

Due Date: _____
Original XX
Renewal _____

~~XXXXXX~~

To: ~~XXXXXXXX~~ Remove 2 IIG fuel tanks

Specify use if
Public Assembly

Pursuant to Section 4.108 of uniform Fire Code 1988 edition

Application made by: Ramcon
Location: 1410-64th Street (cross Street-Hollis)

Signed: [Signature] Phone # 916/372-7535
Applicant

Date: 12/14/89
Fee: \$40.00 p/tank
Cash _____ Ck. No. _____
Receipt No. _____
Received by: _____

DO NOT WRITE BELOW THIS LINE

Plans submitted? _____ Checked by: _____ (GROUP-TYPE AND AREA)

Occupancy Group? _____ Other Occupancies in Building? _____

Floor to be Used: _____ Area to be Used? _____ sq. ft. Previous Occupancy? _____

BUILDING: Height _____ Stories, _____ ft. Type of Construction? _____ is there a basement? _____

Location-Exterior Wall Openings? _____ Type of Protection? _____

Is there 20 sq. ft. of Opening in every 50' on one exterior wall in—Cellar? _____ Basement? _____ Story? _____

Distance from Property Line on North? _____ South? _____ East? _____ West? _____

EXITS: Number? _____ Total Width? _____ How far Apart? _____ Do Exits Lead to Street? _____

Number of Exits from Hazardous Area (over 200 sq. ft.)? _____ Panic Bars? _____

Do Doors Swing Out? _____ Exit Signs? _____ Illuminated? _____

Number of Stairways? _____ Width? _____ Open or Enclosed? _____

Exterior Stairway or Fire Escape? _____ (WHICH) Where Located? _____ Distance from Street? _____

FIRE PROTECTION: Standpipes: Wet? _____ Dry? _____ Sprinklers? _____

Number and Type of Extinguishers? _____

Other Fire Protection? _____

Is Flamaproofing Required? _____ Is it Satisfactory? _____

DATE OF INSPECTION: _____

REMARKS: EFD requires 24-hr notice prior to removal, and coordination with Alameda County Dept. of Environmental Health requirements. 15-lbs. of CO2 required p/1000 gals. liquid capacity per tank

Signed _____ FIRE INSPECTOR No. _____

PROFILE SHEET

Please fill-in completely All Areas that apply to Your Material this is an Application, Not an Approval

GENERATOR MISSION TAYLOR PROPERTIES C/O LOWENBERG CORPORATION
 FACILITY ADDRESS 1410 64th STREET EMERYVILLE, CA
 MAILING ADDRESS 44 MONTGOMERY STREET SAN FRANCISCO, CA 94101
 TELEPHONE 415/392-4500
 TECHNICAL CONTACT SUSAN LOWENBERG TITLE PRESIDENT
 BOE # _____ EPA I.D.# CAC000225017

TRANSPORTER MP VACUUM TRUCK SERVICE STATE # CALIF. WASTE HAULER NO. 101
 CONTACT DON ADAMS TITLE FIELD FOREMAN
 TELEPHONE 805/393-1151 EPA I.D.# CAT000G24247

NAME OF WASTE OILY WATER
 ACTIVITY PRODUCING WASTE FORMER TANK PIT EXCAVATION
 APPROXIMATE CONCENTRATIONS (Account for 100%)

<u>WATER</u> <u>99%</u>	(%PPM)	<u>N/A</u>	<u>Ph</u>
<u>OIL</u> <u>1%</u>	(%PPM)	<u>N/A</u>	<u>FLASH</u>
	(%PPM)	<u>N/A</u>	<u>ODOR</u>

DOES THIS WASTE YES NO CONTAIN ANY LEAD, CHROMIUM OR OTHER "C.A.M. 17" METALS?
 IF YES, WHAT ARE THE METALS AND WHAT ARE THEIR CONCENTRATIONS SEE ATTACHED RESULTS

DOES THIS WASTE YES NO CONTAIN ANY:
 CYANIDES _____ SULFIDES _____ "TOX" _____ PCB'S _____ PHENOLS _____
 ORGANIC CHLORIDES, OR OTHER HALOGENATED COMPOUNDS NO
 IF YES, WHAT COMPOUNDS AT WHAT CONCENTRATION? _____
UNKNOWN

IF PRIMARILY A WATERY WASTE, WHAT IS THE LEVEL OF TOTAL DISSOLVED SOLIDS, IN PPM, OR CONDUCTIVITY IN MICROMHOS?
 _____ (PPM/MMHOS)

IF AT ALL POSSIBLE, PLEASE ATTACH A LABORATORY ANALYSIS
 SPECIAL HANDLING INFORMATION N/A

SIGNATURE _____ TITLE _____ DATE _____

FACILITY DECISION

ACCEPT _____ REJECT _____
 RECYCLE _____ TREATMENT _____
 COMMENTS _____

FACILITY MANAGER _____ DATE _____

APPENDIX C
MANIFEST
(USTs)

50008057
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7351
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **C A C 0 0 0 2 2 5 0 1 7 0 0 0 0 2** Manifest Document No. **0 0 0 0 2**

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

3. Generator's Name and Mailing Address
LOWENBERG CORPORATION
44 Montgomery Street, San Francisco, CA 94104

4. Generator's Phone ((415) 392-4500

5. Transporter 1 Company Name
H & H Ship Service Company 6. US EPA ID Number **C A D 0 0 4 7 7 1 1 6 8**

7. Transporter 2 Company Name 8. US EPA ID Number

9. Designated Facility Name and Site Address
H & H Ship Service Company 10. US EPA ID Number **C A D 0 0 4 7 7 1 1 6 8**
220 China Basin Street
San Francisco, CA 94107 H. Facility's Phone **(415) 543-4835**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

A. State Manifest Document Number
90008057

B. State Generator's ID

C. State Transporter's ID **103574**

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

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID **C A D 0 0 4 7 7 1 1 6 8**

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

a.	12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.	
				State	EPA/Other
RESIDUE DIESEL TANK (CALIFORNIA ONLY REGULATED WASTE)	0101	TIP	110101010	P	State 512 EPA/Other
RESIDUE GASOLINE TANK (CALIFORNIA ONLY REGULATED WASTE)	0101	TIP	011101010	P	State 512 EPA/Other
					State EPA/Other
					State EPA/Other

J. Additional Descriptions for Materials Listed Above
PUMPED OUT 10,000 gallon and 1,000 gallon tanks last containing diesel and gasoline. Tanks inerted with dry ice for transport.

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

15. Special Handling Instructions and Additional Information
JOB SITE: MISSION TAYLOR PROPERTIES
1410 - 64th Street
Emeryville, California

16. **APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR.**

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Edward F. Avenit** Signature *Edward F. Avenit* Month Day Year **10 21 21 31 91 0**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name **HAROLD L. ADCOX** Signature *Harold L. Adcox* Month Day Year **10 21 21 31 91 0**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

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

Printed/Typed Name **Cleveland Walker** Signature *Cleveland Walker* Month Day Year **01 23 90**

3300
 3040 1005
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1 800-424 8802, WITHIN CALIFORNIA CALL 1-800-452-7650
 GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A C 0 0 0 2 2 5 0 1 7
 Manifest Document No. 0 0 0 0 1

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

3. Generator's Name and Mailing Address
LOWENBERG CORPORATION
 44 Montgomery Street, San Francisco, CA 94104

A. State Manifest Document Number
90007995
 B. State Generator's ID

4. Generator's Phone ((415) 392-4500)

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

C. State Transporter's ID
103569

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

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

7. Transporter 2 Company Name

E. State Transporter's ID

8. US EPA ID Number

F. Transporter's Phone

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

G. State Facility's ID
C A D 0 0 4 7 7 1 1 6 8

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

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

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
HAZARDOUS WASTE LIQUID, N.O.S. ORM-E NA 9189

12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	1. Waste No.
0101	TIT	007100	G	State - 241 EPA/Other
				State EPA/Other
				State EPA/Other
				State EPA/Other

J. Additional Descriptions for Materials Listed Above
FUEL OIL AND WATER

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

15. Special Handling Instructions and Additional Information
JOB SITE: MISSION TAYLOR PROPERTIES
1410 - 64th Street
Emeryville, California
APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Edward F. Arant** Signature: *Edward F. Arant* Month Day Year: **10 21 21 11 90**

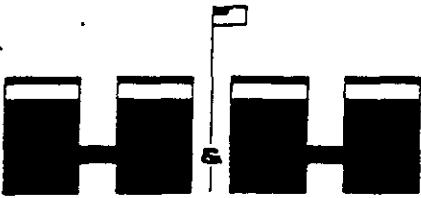
17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: **JAMES R. MORGAN** Signature: *James R. Morgan* Month Day Year: **10 21 21 11 90**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: Signature: Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
 Printed/Typed Name: **Roshan Shadler** Signature: *Roshan Shadler* Month Day Year: **10 22 19 90**

RECEIVED MAR 14 1990



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

CERTIFICATE OF DISPOSAL

FEBRUARY 27, 1990

H & H Ship Service Company hereby certifies to RAMCON

1. The storage tank(s), size(s) 1-10,000 GALS. AND 1-1,000 GALS.

removed from the MISSION TAYLOR PROPERTIES

facility at 1410 - 64TH STREET

EMERYVILLE, CALIFORNIA

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

2. The following tank(s), H & H Job Number 3573

have been steamed cleaned, cut with approximately 2' X 2' holes, rendered harmless and disposed of as scrap metal.

3. Disposal site: LEVIN METALS CORPORATION, RICHMOND, CALIFORNIA.

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

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

Very Truly Yours,


Cleveland Valrey
Operations Coordinator

220 CHINA BASIN, SAN FRANCISCO, CA 94107 • DAY AND NIGHT: 543-4835



APPENDIX D
LABORATORY REPORT
(EXCAVATION SOIL SAMPLES)

APPENDIX E
LABORATORY REPORTS
(EXCAVATION WATER)



3700 LAMAR AVENUE Highway, Petaluma, CA 94954
P.O. Box 808024, Petaluma, CA, 94954
Telephone: (707) 783-8248 FAX: (707) 783-4088

Rene Atwater
Dames & Moore
221 Main Street, Ste. 800
San Francisco, CA 94105

Client Code: DAME49
Survey EMERYVILLE
Project/Release 043

Page 1

LABORATORY RESULTS

Date Collected: 02/23/80
Date Extracted: 02/26/80
Date Analyzed: 02/27/80

Laboratory Job No.: 800783
Date Received: 02/23/80
Date Reported: 03/08/80

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

LABNO	SMPLNO-ID	RESULTS	DET.LIM
4277	1-WATER DIESEL	410 mg/L	0.05 mg/L

Date Collected: 02/23/80
Date Extracted: 03/02/80
Date Analyzed: 03/02/80

LABORATORY RESULTS
Laboratory Job #: 800783
Date Received: 02/23/80
Date Reported: 03/08/80

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

<u>LABNO SMPLNO-ID</u>	<u>RESULTS</u>	<u>DET.LIM</u>
4277 1-WATER GASOLINE	14 mg/L	1.0 mg/L

Date Extracted: 03/07/90
Date Analyzed: 03/07/90

Date Received: 02/23/80
Date Reported: 03/08/80

ASSAY: TPH/ BTEX (EPA 5030/602)
MATRIX: LIQUID

LABNO SMPLNO-ID	RESULTS	DET.LIM
4277 1-WATER		
BENZENE	0.14 mg/L	0.02 mg/L
TOLUENE	0.14 mg/L	0.02 mg/L
ETHYLBENZENE	0.14 mg/L	0.02 mg/L
XYLENE	1.1 mg/l	0.02 mg/L



3700 Lakeville Highway, Petaluma, CA 94952
 P.O. Box 808024, Petaluma, CA, 94975-8024
 Telephone: (707) 762-3245 FAX: (707) 762-4066

ATTN: MITCHELL FONG
 Rene Atwater
 Dames & Moore
 221 Main Street, Ste. 600
 San Francisco, CA 94105

(2 Pages Total)

Client Code: DAME49
 Contract/PO RELOG: 90-0783
 Survey EMERYVILLE
 Project/Release 043

Page 1

LABORATORY RESULTS

Laboratory Job No.: 901119
 Date Received: 03/14/90
 Date Reported: 03/15/90

Date Analyzed: 03/14/90

ASSAY:
 MERCURY (EPA 7470/7471)
 ARSENIC (EPA 7060)
 SELENIUM (EPA 7740)

MATRIX: LIQUID

LABNO	SMP LNO	COMPOUND	FOUND mg/L	CA STLC LEV	DET. LIM. mg/L
6058		HG	ND	0.20	0.0001
		AS	ND	5.0	0.005
		SE	ND	1.0	0.001

Date Analyzed: 03/14/90

ASSAY: METAL SCAN BY ICP (EPA 8010)

LABNO	SMPLNO-ID	RESULTS	CA STLC LEVEL	DET. LIM.
8058	WATER WATER			
	AG	ND	5.0	0.010 mg/L
	BA	0.420 mg/L	100	0.010 mg/L
	BE	ND	0.75	0.010 mg/L
	CD	ND	1.0	0.0050 mg/L
	CO	ND	80	0.020 mg/L
	CR	ND	560	0.020 mg/L
	CU	0.098 mg/L	25	0.010 mg/L
	MO	ND	350	0.020 mg/L
	NI	ND	20	0.050 mg/L
	PB	0.823 mg/L	5.0	0.050 mg/L
	SB	ND	15	0.50 mg/L
	TL	0.25 mg/L	7.0	0.20 mg/L
	V	0.072 mg/L	24	0.020 mg/L
	ZN	0.131 mg/L	250	0.010 mg/L

ND=Not Detected

APPENDIX F
MANIFESTS
(EXCAVATION WATER)



RAMCON

Developer • Contractor • Commercial • Industrial

(916) 372-7535 FAX (916) 372-4209

St. License No. 510034

March 26, 1990

Susan Lowenburg
44 Montgomery Street
San Francisco, Ca 94104

ATTN: Susan Lowenburg

RE: CONTAMINATED WATER MANIFESTS

Dear Susan,

Attached you will find the manifests and letters verifying total gallons for the contaminated water removed from Mission Taylor properties on March 16, 1990

This water has been properly disposed of and taken to Gibson Refinery Company, Bakersfield, Ca.

If you should have any questions, please do not hesitate to contact our office.

Sincerely,

Michael S. Ramos
RAMCON

MSR/bjw

enc.



GIBSON OIL & REFINING CO., INC.

Generator: Mission Taylor
Hauler: M.P. Vacuum

26 MAR 90

RE: Load Acceptance Manifest # 88120247

Dear Customer:

This letter is to inform you Gibson Oil & Refining has the appropriate permits for and has accepted your material for recycling. The amount we received was 1610.14 gallons. If this does not agree with your data please notify us within 10 days so we can resolve any discrepancies.

Very truly yours,

Cynthia Jeffers
Cynthia Jeffers
Marketing Manager

50/CJ.015

14,699.63 gal

A Subsidiary of V.L.S., Inc.

211 East Ocean Blvd., Suite 231
Long Beach, CA 90802
213 / 499-4996 Telex: 664-611
FAX 213 / 437-5063

2101 Webster St., Suite 1700
Oakland, CA 94612
415 / 446-7777 Telex: 338-139
FAX 415 / 836-4503

3300 Truxtun Avenue, Suite 200
Bakersfield, CA 93301
805 / 327-0413 Telex: 494-9206
FAX 805 / 861-0229

GIBSON



GIBSON OIL & REFINING CO., INC.

Generator: Mission Taylor
Hauler: M.P. Vacuum

26 MAR 90

RE: Load Acceptance

Manifest # 8812.0248

Dear Customer:

This letter is to inform you Gibson Oil & Refining has the appropriate permits for and has accepted your material for recycling. The amount we received was 2727.99 gallons. If this does not agree with your data please notify us within 10 days so we can resolve any discrepancies.

Very truly yours,

Cynthia Jeffers
Cynthia Jeffers
Marketing Manager

50/CJ.015

A Subsidiary of V.L.S., Inc.

211 East Ocean Blvd., Suite 231
Long Beach, CA 90802
213 / 499-4996 Telex: 664-611
FAX 213 / 437-5063

2101 Webster St., Suite 1700
Oakland, CA 94612
415 / 446-7777 Telex: 338-139
FAX 415 / 836-4503

3300 Truxtun Avenue, Suite 200
Bakersfield, CA 93301
805 / 327-0413 Telex: 494-9206
FAX 805 / 861-0229



GIBSON OIL & REFINING CO., INC.

Generator: Mission Taylor
Hauler: M.P. Vacuum

26 MAR 90

RE: Load Acceptance

Manifest # 88120249

Dear Customer:

This letter is to inform you Gibson Oil & Refining has the appropriate permits for and has accepted your material for recycling. The amount we received was 3467.62 gallons. If this does not agree with your data please notify us within 10 days so we can resolve any discrepancies.

Very truly yours,

Cynthia Jeffers
Cynthia Jeffers
Marketing Manager

50/CJ.015

A Subsidiary of V.L.S., Inc.

211 East Ocean Blvd., Suite 231
Long Beach, CA 90802
213/499-4996 Telex: 684-611
FAX 213/437-5063

2101 Webster St., Suite 1700
Oakland, CA 94612
415/446-7777 Telex: 338-139
FAX 415/836-4503

3300 Truxtun Avenue, Suite 200
Bakersfield, CA 93301
805/327-0413 Telex: 494-9206
FAX 805/861-0229



GIBSON OIL & REFINING CO., INC.

Generator: Mission Taylor
Hauler: M.P. Vacuum

26 MAR 90

RE: Load Acceptance

Manifest # 88120251

Dear Customer:

This letter is to inform you Gibson Oil & Refining has the appropriate permits for and has accepted your material for recycling. The amount we received was 2998.15 gallons. If this does not agree with your data please notify us within 10 days so we can resolve any discrepancies.

Very truly yours,

Cynthia Jeffers
Cynthia Jeffers
Marketing Manager

50/CJ.015

A Subsidiary of V.L.S., Inc.



GIBSON OIL & REFINING CO., INC.

Generator: Mission Taylor
Hauler: M.P. Vacuum

26 MAR 90

RE: Load Acceptance

Manifest # 88120258

Dear Customer:

This letter is to inform you Gibson Oil & Refining has the appropriate permits for and has accepted your material for recycling. The amount we received was 3695.75 gallons. If this does not agree with your data please notify us within 10 days so we can resolve any discrepancies.

Very truly yours,

Cynthia Jeffers
Cynthia Jeffers
Marketing Manager

50/CJ.015

A Subsidiary of V.L.S., Inc.

211 East Ocean Blvd., Suite 231
Long Beach, CA 90802
213 / 499-4996 Telex: 664-611
FAX 213 / 437-5063

2101 Webster St., Suite 1700
Oakland, CA 94612
415 / 446-7777 Telex: 338-139
FAX 415 / 836-4503

3300 Truxtun Avenue, Suite 200
Bakersfield, CA 93301
805 / 327-0413 Telex: 494-9206
FAX 805 / 861-0229

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

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C 2 9 4 0 2 2 4 5 0 1 7 2 9 2 5 8	Manifest Document No. 2 1 9 2 5 8	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
Generator's Name and Mailing Address Mission Taylor Properties C/o Lowenberg 44 Montgomery Street San Francisco Corp. 4. Generator's Phone (415) 392-4500 CA 44101			A. State Manifest Document Number 8 8 1 2 9 2 5 8		
5. Transporter 1 Company Name MP Truck Inc. JUL 0 1 0 1 8 2 4 2			B. State Generator's ID No.		
6. US EPA ID Number C 1 T 8 2 8 5 2 4 3 4 7			C. State Transporter's ID No.		
7. Transporter 2 Company Name			D. Transporter's Phone		
8. US EPA ID Number			E. State Transporter's ID No.		
9. Designated Facility Name and Site Address Gibson Refining End of Commercial Drive Bakersfield Ca. 93308			F. Transporter's Phone		
10. US EPA ID Number C 0 0 1 4 8 1 0 8 2 3 1 1 7 7			G. State Facility's ID No.		
			H. Facility's Phone		

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	No.	Type			
a. California Only Rejected Waste	019	TT	24999	G	State EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above Oil/water From Tank Excavation water 4 1/2 oil 1 1/2	K. Handling Codes for Wastes Listed Above			
	a.	b.	c.	d.

15. Special Handling Instructions and Additional Information
Gloves & Goggles
Protective Outer Garments

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name Edward F. Horvath	Signature Edward F. Horvath	Month Day Year 10/31/6/90
---	--------------------------------	------------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name Joe UPSHAW	Signature Joe Upshaw	Month Day Year 10/31/6/90

18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

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

GENERATOR
TRANSPORTER
FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA00002250172017** Manifest Document No. **17**

2. Information in the shaded area is not required by Federal law.

3. Generator's Name and Mailing Address
Mission Taylor Robotics Co Lowenberg Corp
44 Montgomery St. San Francisco CA 94101

A. State Manifest Document Number
88120251

4. Generator's Phone **(415) 392-4500**

B. State Generator's ID

5. Transporter 1 Company Name
M. D. Vacuum

C. State Transporter's ID
095372

6. US EPA ID Number
CA0000624247

D. Transporter's Phone
(805) 375-1157

7. Transporter 2 Company Name

E. State Transporter's ID

8. US EPA ID Number

F. Transporter's Phone

9. Designated Facility Name and Site Address
Gibson Refiner
End of Commercial Drive
Birken St. CA 93308

G. State Facility's ID

10. US EPA ID Number
CA0980883127

H. Facility's Phone
(805) 303-9177

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
California Only Regulated Waste

12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
No.	Type		State
			221
			EPA/Other
			State
			EPA/Other
			State
			EPA/Other

J. Additional Descriptions for Materials Listed Above
Oil/Water from Tank Excavation
Water 9770
Oil 190

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Glove + Goggles
Protective Outer Garments

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name
Edward F. Thrent

Signature
Edward F. Thrent Month Day Year
02/16/90

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name
Steve Tison

Signature
Steve Tison Month Day Year
03/16/90

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

Signature Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature Month Day Year

GENERATOR
 TRANSPORTER
 FACILITY

HS 8022 A (1/88)
PA 8700-22
Rev. 9-88) Previous editions are obsolete.

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL 1-800-952-7550

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. 2. Manifest Document No. 3. Generator's Name and Mailing Address 4. Generator's Phone 5. Transporter 1 Company Name 6. US EPA ID Number 7. Transporter 2 Company Name 8. US EPA ID Number 9. Designated Facility Name and Site Address 10. US EPA ID Number 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers No. 13. Total Quantity 14. Unit Wt/Vol 15. Special Handling Instructions and Additional Information 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. 17. Transporter 1 Acknowledgement of Receipt of Materials 18. Transporter 2 Acknowledgement of Receipt of Materials 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.

Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number 88120247
B. State Generator's ID
C. State Transporter's ID 009521
D. Transporter's Phone 0651575-1151
E. State Transporter's ID
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (415) 323-2178

3. Generator's Name and Mailing Address
MINORAS PAVOL PROPERTIES 40 LOWENBERG COURT
44 MONTGOMERY ST. SAN FRANCISCO CA. 94101

4. Generator's Phone 415-392-4500

5. Transporter 1 Company Name T.M.P. WASTE TRUCK SERVICE AT 000624447

6. US EPA ID Number 000624447

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
GIBSON REFINERY
END OF COMMERCIAL DRIVE
DALESBORO PA 15308

10. US EPA ID Number (PA) 930883127505

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
a. Oil/Water from Tank Excavation
b.
c.
d.

12. Containers No. 13. Total Quantity 14. Unit Wt/Vol
a. 01177 0,500 L
b.
c.
d.

15. Special Handling Instructions and Additional Information
CLOSE TOGGLERS
PLEASE DO NOT OPEN TOGGLERS

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Edward F. Hunt
Signature: Edward F. Hunt
Month Day Year: 03/16/90

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: James B. Simpson
Signature: James B. Simpson
Month Day Year: 03/16/90

19. Discrepancy Indication Space

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

YELLOW: GENERATOR RETAINS

Do Not Write Below This Line

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **9901027591720249** Manifest Document No. **8120249** 2. Page 1 of **1** information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MISSION TAYLOR PROPERTIES % LOWENBERG
44 MONTGOMERY ST.

4. Generator's Phone (415) **392 4500**

5. Transporter 1 Company Name **MA MONTGOMERY TRUCK SOC** 6. US EPA ID Number **9901027591720249**

7. Transporter 2 Company Name **MA MONTGOMERY TRUCK SOC** 8. US EPA ID Number **9901027591720249**

9. Designated Facility Name and Site Address **618 SOU REFINERY** 10. US EPA ID Number **9901027591720249**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)
California only regulated waste

12. Containers No. **1** Type **DRUM** 13. Total Quantity **1** 14. Unit **DRUM** Waste No. **531**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. California only regulated waste	1	DRUM	1	DRUM	531
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
Water 99%
OIL 1%

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Gloves & goggles
Protective safety harness

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Edward F. Arent** Signature **Edward F. Arent** Month Day Year **10 3 11 4 9 10**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name **Bin Hayward** Signature **Bin Hayward** Month Day Year **10 3 11 4 9 10**

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name _____ Signature _____ Month Day Year _____

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name _____ Signature _____ Month Day Year _____

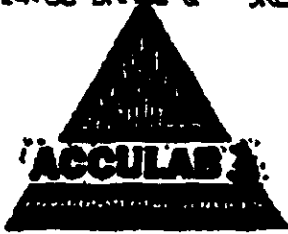
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

GENERATOR

TRANSPORTER

FACILITY

APPENDIX G
LABORATORY REPORTS
(EXCAVATION SOIL)



2700 Lafayette Highway, Petaluma, CA 94952
P.O. Box 200004, Petaluma, CA, 94920-0004
Telephone: (707)763-0043 FAX: (707)763-0005

Rene Atwater
Dams & Moors
221 Main Street, Ste. 600
San Francisco, CA 94105

Client Code: DAME19
Survey EMERYVILLE
Project/Release 043

LABORATORY RESULTS

Date Collected: 02/23/80
Date Extracted: 02/26/80
Date Analyzed: 02/27/80

Laboratory Job No.: 800783
Date Received: 02/23/80
Date Reported: 03/02/80

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

<u>LABNO</u> <u>SMP LNO-ID</u>	<u>RESULTS</u>	<u>DET.LIM</u>
4278 1SURF/STCK/P DIESEL	8500 mg/kg	5.0 mg/kg
4278 2SURF/STCK/P DIESEL	2500 mg/kg	5.0 mg/kg

Date Collected: 02/23/80
Date Extracted: 02/27/80
Date Analyzed: 02/27/80

LABORATORY RESULTS
Laboratory Job No.: 800783
Date Received: 02/23/80
Date Reported: 03/02/80

ASSAY: TPH/GASOLINE/BTEX (EPA 8020/8015/8020)
MATRIX: SOIL

LABNO SMP LNO-ID	RESULTS	DET. LIM
4278 1SURF/STCK/P		
BENZENE	1.2 mg/kg	0.38 mg/kg
TOLUENE	4.8 mg/kg	0.38 mg/kg
ETHYLBENZENE	1.8 mg/kg	0.38 mg/kg
XYLENE	17 mg/kg	0.38 mg/kg
4278 2SURF/STCK/P		
BENZENE	0.44 mg/kg	0.040 mg/kg
TOLUENE	0.74 mg/kg	0.040 mg/kg
ETHYLBENZENE	0.40 mg/kg	0.040 mg/kg
XYLENE	2.3 mg/kg	0.040 mg/kg

**APPENDIX H
MANIFEST
(EXCAVATION SOIL)**

4
 18 yds
 18 yds
 18
 18
 18
90 yds

21.29 tons
 20.96
 24.56
 15.31
22.30

WEIGHMASTER CERTIFICATE			
<small>THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.</small>			
LIQUID WASTE MANAGEMENT, INC. — WEIGHMASTER STAR ROUTE BOX 4, McKittrick, CA 93251 (805) 762-7366			11851
WEIGHING LOCATION: HIGHWAY 58, 1/4 MILE WEST OF HIGHWAY 33 McKITTRICK, CALIFORNIA		If Waste Is Weighed It Is 100% Nonhazardous	
DATE: 8-09-90 TIME: 4:09 PM WEIGHT IN LBS. 72580		GROSS BY: <i>Thelma Williams</i>	
DATE: 8-09-90 TIME: 4:26 PM WEIGHT IN LBS. 30100		TARE BY: <i>Thelma Williams</i>	
DATE: 8-09-90 TIME: 4:26 PM WEIGHT IN LBS. 42580		DEPUTY	
DATE: 8-09-90 TIME: 4:26 PM WEIGHT IN LBS. 3129		DEPUTY	
WEIGHED FOR / SELLER: <i>Williams Lawenberg</i>		DELIVERED TO / BUYER: <i>J.W.M.</i>	
DRIVER: <i>Bin Maynard</i>		DRIVER: <i>Bin Maynard</i>	
VEHICLE LIC. NOS.:	TRAILER LIC.:	TRAILER LIC.:	COMMODITY: <i>Sail</i>
<i>1105911</i>	<i>1105911</i>	<i>1105911</i>	UNITS: <i>18 yds</i>
<i>1105911</i>			B/L NO.: <i>1626</i>
<i>1105911</i>			FEE: <input type="checkbox"/> PD <input type="checkbox"/> CHG

M.P. VACUUM TRUCK SERVICE INC.

1626

To Be Used For **NON-HAZARDOUS WASTES ONLY**

GENERATOR (GENERATOR MUST COMPLETE)

NAME WILLIAM LOWENBERG
 FIELD ADDRESS 44 MONTGOMERY STREET
 CITY/STATE/ZIP SAN FRANCISCO, CA 94104
 PHONE (805) 392-4500
 SIGNATURE OF AUTHORIZED AGENT [Signature]
 DATE 8-9-90

THE GENERATOR CERTIFIES THAT
 THE WASTE AS DESCRIBED
 IS 100% NON-HAZARDOUS

TRANSPORTER (HAULER MUST COMPLETE)

M.P. VACUUM TRUCK SERVICE INC.
 3400 MANOR STREET
 BAKERSFIELD, CA 93308
 (805) 393-1151

DISPOSAL FACILITY

NAME L.W.M.
 ADDRESS Star Rt Box 7
 CITY/STATE/ZIP Mc Kittrick Ca 93251
 PHONE 762-7366 DISP. TICKET # _____
 SIGNATURE [Signature]
 DATE 8-9-90

WASTE TO BE DISPOSED

TYPE SOIL CONTAMINATED WITH DIESEL
 GENERATING LOCATION 1410 64TH ST. EMERYVILLE
 SPECIAL HANDLING INSTRUCTIONS YES
 GLOVES GOGGLES OTHER [Signature]
 QUANTITY 24 BBL./GLS. YARDS TONS
 DESIGNATED FACILITY
 NAME LIQUID WASTE MANAGEMENT ACPT #080890531
 ADDRESS STAR ROUTE 4
 CITY/STATE/ZIP MC KITTRICK, CA 93251
 PHONE (805) 762-7366

TICKET # 9009504 UNIT NO. 86-83
 PICKUP DATE 8-9-90 TIME _____
 SIGNATURE [Signature] DATE 8-9-90

NOTE: THIS FORM TO BE IN LIEU OF THE CALIFORNIA
 DEPARTMENT OF HEALTH SERVICES HAZARDOUS WASTE
 MANIFEST FOR NON-HAZARDOUS WASTES ONLY

QUANTITY RECEIVED 21.29 BBL./GLS. YARDS TONS
 TIME _____ AM _____ PM
 DISPOSAL METHOD: SURFACE IMPOUNDMENT
 LANDFILL INJECTION OTHER

RETURN COPY TO:
 GENERATOR UNLESS OTHERWISE SPECIFIED
 NOTE: IT IS NOT NECESSARY TO SEND COPY TO DOHS
 REMARKS PH# 68

DRIVER'S SIGNATURE

B. Licensed Waste Hauler

Company M. P. Vac
 Address _____
 Truck # 9

C. Delivery Date:
 Date: 8-9-90
 Quantity 20.96 Tons
18 yds Bbls.
 Cost Per Ton _____

D. Invoice: _____ Hauler
 _____ Waste Source
Waste
 Wash Out: _____ @ \$ _____ ea.
 Total Cost _____

"I certify that the above described waste was hauled to this approved disposal site and was an acceptable waste as established by Order No. 72-256 of the California Regional Water Quality Control Board."

Signature of Disposal Site Operator

HAULER

Signature of Licensed Hauler

AUG-22-90 WED 15:40

392 1726

P.03

MP VACUUM

TEL No. 392-1726

Aug 22, 90 15:36 No. 010 P.04

WEIGHMASTER CERTIFICATE
 THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, and regulated by the Division of Measurement Standards of the California Department of Food and Agriculture.

LIQUID WASTE MANAGEMENT, INC. — WEIGHMASTER
 STAR ROUTE BOX 4 • McKittrick, CA 93251
 (805) 762-7968

11852

WEIGHING LOCATION:

HIGHWAY 58, ¼ MILE WEST OF HIGHWAY 33
 MCKITTRICK, CALIFORNIA

If Waste Is Weighed It Is 100% Nonhazardous

DATE	TIME	WEIGHT IN LBS.	
8-09-90	4:13PM	70320	GROSS
8-09-90	4:33PM	28400	TARE
		41920	NET
		20.96	TONS

GROSS BY Helena Williams
 TARE BY Helena Williams
 WEIGHED FOR / SELLER William Swenberg
 DELIVERED TO / BUYER W. M.
 DRIVER Frank Bostof

VEHICLE LIC. NOS.	TRAILER LIC.	TRAILER LIC.	COMMODITY	UNITS	B/L NO.
4A26100 CARRIER	10D7748	—	Soil	18 yds	1677
FEE: <input type="checkbox"/> PD <input type="checkbox"/> CHG \$ _____					

M.P. VACUUM TRUCK SERVICE INC.

1677

To Be Used For: **NON-HAZARDOUS WASTES ONLY**

GENERATOR

(GENERATOR MUST COMPLETE)

WASTE TO BE DISPOSED

NAME: WILLIAM LOWENBERG
FIELD ADDRESS: 44 MONTGOMERY STREET
CITY, STATE, ZIP: SAN FRANCISCO, CA. 94104
PHONE: (415) 392-4500

TYPE: SOIL CONTAMINATED WITH DIESEL
GENERATING LOCATION: 1410 64TH ST. EMERYVILLE

SIGNATURE OF AUTHORIZED AGENT: X Bob White
DATE: 8-9-90

SPECIAL HANDLING INSTRUCTIONS: _____
 GLOVES GOGGLES OTHER
QUANTITY: 24 BBLs./GLS. YARDS TONS

DESIGNATED FACILITY NAME: LIQUID WASTE MANAGEMENT ACPT# 080890531
ADDRESS: STAR ROUTE 4
CITY, STATE, ZIP: MCKITTRICK, CA 93251
PHONE: (805) 762-7366

THE GENERATOR CERTIFIES THAT
THE WASTE AS DESCRIBED
IS 100% NON-HAZARDOUS

TRANSPORTER

(HAULER MUST COMPLETE)

TICKET # 90-5039 UNIT NO. 9
PICKUP DATE 8-9-90 TIME _____
SIGNATURE Frank... DATE 8-9-90

M.P. VACUUM TRUCK SERVICE INC.
3400 MANOR STREET
BAKERSFIELD, CA 93308
(805) 393-1151

NOTE: THIS FORM TO BE IN LIEU OF THE CALIFORNIA
DEPARTMENT OF HEALTH SERVICES HAZARDOUS WASTE
MANIFEST FOR NON-HAZARDOUS WASTES ONLY.

DISPOSAL FACILITY

QUANTITY RECEIVED: 20.96 BBLs./GLS. YARDS TONS
TIME: _____ AM _____ PM
DISPOSAL METHOD: SURFACE IMPOUNDMENT
 LANDFILL INJECTION OTHER _____
RETURN COPY TO: _____

NAME: L.W.M.
ADDRESS: Star Pt Bldg
CITY, STATE, ZIP: M. Kittrick Ca 93251
PHONE: 762-7366 DISP. TICKET # _____
SIGNATURE: Thelma Villines
DATE: 8-9-90

GENERATOR UNLESS OTHERWISE SPECIFIED
NOTE: IT IS NOT NECESSARY TO SEND COPY TO DOHS

REMARKS: PH # 6.0

WEIGHMASTER CERTIFICATE
 THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 6 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

LIQUID WASTE MANAGEMENT, INC. — WEIGHMASTER
 STAR ROUTE BOX 4 • McKittrick, CA 93251
 (805) 762-7366

11848

WEIGHING LOCATION:
 HIGHWAY 58 ¼ MILE WEST OF HIGHWAY 33
 MCKITTRICK, CALIFORNIA

If Waste Is Weighed it is 100% Nonhazardous

DATE: 08-30-80 TIME: 1:50 PM WEIGHT IN LBS. 29360

GROSS BY: *Thelma Villines* DEPUTY
 TARE BY: *Thelma Villines* DEPUTY

DATE: 08-30-80 TIME: 1:50 PM WEIGHT IN LBS. 29360
 NET 19716
 TONS 44.57

WEIGHED FOR / SELLER: *William Lowenberg*
 DELIVERED TO / BUYER: *W.M.*
 DRIVER: *Jan J. Mueso*

VEHICLE LIC. NOS. 7009001 TRAILER LIC. 30

COMMODITY: *Sand* UNITS: *18 yds* B/L NO.: *1676*
 FEE PD CHG

M.P. VACUUM TRUCK SERVICE INC.

7676

To Be Used For: **NON-HAZARDOUS WASTES ONLY**

GENERATOR (GENERATOR MUST COMPLETE)

NAME: WILLIAM LOWENBERG

ADDRESS: 144 MONTGOMERY STREET

CITY, STATE, ZIP: SAN FRANCISCO

PHONE: (415) 392-4500

SIGNATURE OF AUTHORIZED AGENT

DATE: 8-9-90

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

WASTE TO BE DISPOSED

TYPE: SOIL CONTAMINATED WITH DIESEL

GENERATING LOCATION: 1410 64TH ST. EMERYVILLE

SPECIAL HANDLING INSTRUCTIONS: YES

GLOVES GOGGLES OTHER

QUANTITY: 24 BBL./GLS. YARDS TONS

DESIGNATED FACILITY NAME: LIQUID WASTE MANAGEMENT ACCT# 080890531

ADDRESS: STAR ROUTE 4

CITY, STATE, ZIP: MCKITTRICK, CA 93251

PHONE: (805) 762-7366

TRANSPORTER (HAULER MUST COMPLETE)

NAME: M.P. VACUUM TRUCK SERVICE INC.

ADDRESS: 10 MANOR STREET

CITY, STATE, ZIP: MCKITTRICK, CA 93308

PHONE: (515) 393-1151

TICKET # 70-6248 UNIT NO. 30-96

PICKUP DATE: 8-9-90 TIME: _____

SIGNATURE: Jan P. White DATE: 8-9-90

NOTE: THIS FORM TO BE IN LIEU OF THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES HAZARDOUS WASTE MANIFEST FOR NON-HAZARDOUS WASTES ONLY

DISPOSAL FACILITY

NAME: L.W.M.

ADDRESS: Star Rt Box 4

CITY, STATE, ZIP: Mckittrick Ca 93251

PHONE: 762-7366 DISP. TICKET # _____

SIGNATURE: The... Miller

DATE: 8-9-90

QUANTITY RECEIVED: 24.56 BBL./GLS. YARDS TONS

TIME: _____ AM _____ PM

DISPOSAL METHOD: SURFACE IMPOUNDMENT

LANDFILL INJECTION OTHER

RETURN COPY TO: _____

GENERATOR UNLESS OTHERWISE SPECIFIED
NOTE: IT IS NOT NECESSARY TO SEND COPY TO DOHS

REMARKS: PH # 60

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

LIQUID WASTE MANAGEMENT, INC. — WEIGHMASTER
STAR ROUTE BOX 4 • McKittrick, CA 93251
(805) 762-7368

11850

WEIGHING LOCATION:
HIGHWAY 58, 1/4 MILE WEST OF HIGHWAY 33
McKITTRICK, CALIFORNIA

If Waste Is Weighed It Is 100% Nonhazardous

WEIGHT DATE TIME WEIGHT IN LBS.

2005-00 4:06PM 52740
2005-00 4:22PM 29120
30620
15.31

GROSS BY *Thelma Villines* DEPUTY
TARE BY *Thelma Villines* DEPUTY

WEIGHED FOR / SELLER *William Lowenberg*
DELIVERED TO / BUYER *L.W.M.*

DRIVER *Joe Upstar*

VEHICLE LIC. NOS. TRAILER LIC. TRAILER LIC.
7558 YD1015

COMMODITY *Soil* UNITS *184* B/L NO. *1882*
FEE: PD CHG

M.P. VACUUM TRUCK SERVICE INC.

1882

To Be Used For: **NON-HAZARDOUS WASTES ONLY**

GENERATOR (GENERATOR MUST COMPLETE)

WASTE TO BE DISPOSED

NAME WILLIAM LOWENBERG

TYPE SOIL CONTAMINATED WITH DIESEL

FIELD ADDRESS 44 MONTGOMERY STREET

GENERATING LOCATION 1410 64TH ST. EMERYVILLE

CITY, STATE, ZIP SAN FRANCISCO, CA 94104

SPECIAL HANDLING INSTRUCTIONS YES

PHONE (415) 392-4500

GLOVES GOGGLES OTHER

SIGNATURE OF AUTHORIZED AGENT Bob White

QUANTITY 24 BBLs./GLS. YARDS TONS

DATE 8-9-90

DESIGNATED FACILITY

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS

NAME LIQUID WASTE MANAGEMENT ACCT # 080R90531

ADDRESS STAR ROUTE 4

CITY, STATE, ZIP MC KITTRICK, CA 93251

PHONE (805) 762-7366

TRANSPORTER (HAULER MUST COMPLETE)

TICKET # 90 09431 UNIT NO. 80

M.P. VACUUM TRUCK SERVICE INC.

PICKUP DATE 8-9-90 TIME 900

3400 MANOR STREET

SIGNATURE Joe Upshaw DATE 8-9-90

BAKERSFIELD, CA 93308

NOTE: THIS FORM TO BE IN LIEU OF THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES HAZARDOUS WASTE MANIFEST FOR NON-HAZARDOUS WASTES ONLY.

805) 993-1151

DISPOSAL FACILITY

QUANTITY RECEIVED 15.31 BBLs./GLS. YARDS TONS

NAME L.W. M.

TIME _____ AM _____ PM

ADDRESS Star Rt Boyl

DISPOSAL METHOD: SURFACE IMPOUNDMENT

CITY, STATE, ZIP Mc Kittrick Ca 93251

LANDFILL INJECTION OTHER

PHONE 762-7366 DISP. TICKET # _____

RETURN COPY TO:

SIGNATURE Helma Villares

GENERATOR UNLESS OTHERWISE SPECIFIED
NOTE: IT IS NOT NECESSARY TO SEND COPY TO DOHS

DATE 8-9-90

REMARKS PH # 60

DRIVER'S SIGNATURE: Joe Upshaw

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

LIQUID WASTE MANAGEMENT, INC. — WEIGHMASTER
 STAR ROUTE BOX 4 • McKittrick, CA 93251
 (805) 762-7366

11849

WEIGHING LOCATION:

HIGHWAY 58, 1/4 MILE WEST OF HIGHWAY 33
 MCKITTRICK, CALIFORNIA

If Waste Is Weighed it is 100% Nonhazardous

DATE: 11-15-80 TIME: 4:19 PM WEIGHT IN LBS.

GROSS: 73660
 TARE: 29060
 NET: 44600
 TONS: 22.30

GROSS BY: *Thelma Villines* DEPUTY
 TARE BY: *Thelma Villines* DEPUTY

WEIGHED FOR / SELLER: *William Lowenberg*
 DELIVERED TO / BUYER: *P.W.M.*
 DRIVER: *[Signature]*

VEHICLE LIC. NOS. 46 TRAILER LIC. 105380 TRAILER LIC. —

COMMODITY: *Gas P* UNITS: *18 yds* B/L NO.: *1675*
 FEE: P.D.V. C.H.G.

M.P. VACUUM TRUCK SERVICE INC.

1675

To Be Used For: **NON-HAZARDOUS WASTES ONLY**

GENERATOR (GENERATOR MUST COMPLETE)

NAME WILLIAM LOWENBERG
 FIELD ADDRESS 44 MONTGOMERY STREET
 CITY, STATE, ZIP SAN FRANCISCO
 PHONE (415) 392-4500
 SIGNATURE OF AUTHORIZED AGENT [Signature]
 DATE 8-9-90

THE GENERATOR CERTIFIES THAT
 THE WASTE AS DESCRIBED
 IS 100% NON-HAZARDOUS

TRANSPORTER (HAULER MUST COMPLETE)

M.P. VACUUM TRUCK SERVICE INC.
 3400 MANOR STREET
 BAKERSFIELD, CA 93308
 (805) 893-1151

DISPOSAL FACILITY

NAME L.W.M.
 ADDRESS Star Rt. Bell
 CITY, STATE, ZIP Mckittrick Ca 93251
 PHONE 762-7366 DISP. TICKET #
 SIGNATURE [Signature]
8-9-90

WASTE TO BE DISPOSED

TYPE SOIL CONTAMINATED WITH DIESEL
 GENERATING LOCATION 1410 64TH ST. EMERYVILLE
 SPECIAL HANDLING INSTRUCTIONS [Initials]
 GLOVES GOGGLES OTHER
 QUANTITY 24 BBL./GLS. YARDS TONS
 DESIGNATED FACILITY
 NAME LIQUID WASTE MANAGEMENT ACCT# 080890531
 ADDRESS STAR ROUTE 4
 CITY, STATE, ZIP MCKITTRICK, CA 93251
 PHONE (805) 762-7366

TICKET # 90-08680 UNIT NO. 89-95
 PICKUP DATE 8-9-90 TIME AM
 SIGNATURE [Signature] DATE 8-9-90

NOTE: THIS FORM TO BE IN USE OF THE CALIFORNIA
 DEPARTMENT OF HEALTH SERVICES HAZARDOUS WASTE
 MANIFEST FOR NON-HAZARDOUS WASTES ONLY

QUANTITY RECEIVED 2230 BBL./GLS. YARDS TONS
 TIME AM PM
 DISPOSAL METHOD: SURFACE IMPOUNDMENT
 LANDFILL INJECTION OTHER

RETURN COPY TO:
 GENERATOR UNLESS OTHERWISE SPECIFIED
 NOTE: IT IS NOT NECESSARY TO SEND COPY TO DOHS
 REMARKS PH#6.0

APPENDIX I
LABORATORY REPORTS
(SOIL SAMPLES)



3700 Lakeville Highway, Petaluma, CA 94952
 P.O. Box 880004, Petaluma, CA, 94978-0004
 Telephone: (707) 763-8845 FAX: (707) 763-6000

Rene Atwater
 Dames & Moore
 221 Main Street, Ste. 800
 San Francisco, CA 94105

Client Code: DAME48
 Survey EMERYVILLE CA
 Project/Release 043

L A B O R A T O R Y R E S U L T S

Page 1

Date Collected: 02/23/80
 Date Extracted: 02/28/80
 Date Analyzed: 02/28/80

Laboratory Job No.: 800782
 Date Received: 02/23/80
 Date Reported: 02/27/80

ASSAY: TPH/GASOLINE (EPA 8020/8015)
 MATRIX: SOIL

ABNO SMP LNO-ID -----	RESULTS -----	DET. LIM -----
273 TRENCH-1/5.0 GASOLINE	220 mg/kg	5.7 mg/kg
274 TRENCH-2/5.0 GASOLINE	270 mg/kg	5.7 mg/kg
275 TRENCH-3/5.0 GASOLINE	200 mg/kg	5.7 mg/kg
278 TRENCH-4/5.0 GASOLINE	77.0 mg/kg	5.7 mg/kg

LABORATORY RESULTS

Date Collected: 02/23/90
Date Extracted: 02/26/90
Date Analyzed: 02/26/90

Laboratory Job No.: 800782
Date Received: 02/23/90
Date Reported: 02/27/90

ASSAY: TPH/DIESEL
MATRIX: SOIL

<u>LABNO SMP LNO-ID</u>	<u>RESULTS</u>	<u>DET. LIM</u>
4273 TRENCH-1/8.0 DIESEL	2000 mg/kg	5.0 mg/kg
4274 TRENCH-2/5.0 DIESEL	1500 mg/kg	5.0 mg/kg
4275 TRENCH-3/8.0 DIESEL	740 mg/kg	5.0 mg/kg
4278 TRENCH-4/5.0 DIESEL	810 mg/kg	5.0 mg/kg

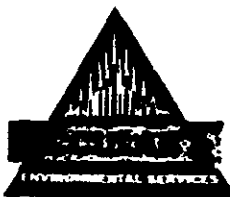
Date Collected: 02/23/80
 Date Extracted: 02/26/80
 Date Analyzed: 02/26/80

Laboratory Job No.: 900782
 Date Received: 02/23/80
 Date Reported: 02/27/80

ASSAY: TPH/BTEX (EPA 5020/8020)
 MATRIX: SOIL

LABNO SMP LNO-ID	RESULTS	DET. LIM
1273 TRENCH-1/8.0		
BENZENE	0.38 mg/kg	0.18 mg/kg
TOLUENE	2.0 mg/kg	0.18 mg/kg
ETHYLBENZENE	ND	0.18 mg/kg
XYLENE	5.8 mg/kg	0.18 mg/kg
1274 TRENCH-2/8.0		
BENZENE	0.22 mg/kg	0.18 mg/kg
TOLUENE	1.2 mg/kg	0.18 mg/kg
ETHYLBENZENE	ND	0.18 mg/kg
XYLENE	8.8 mg/kg	0.18 mg/kg
1275 TRENCH-3/8.0		
BENZENE	0.37 mg/kg	0.18 mg/kg
TOLUENE	1.4 mg/kg	0.18 mg/kg
ETHYLBENZENE	0.55 mg/kg	0.18 mg/kg
XYLENE	5.4 mg/kg	0.18 mg/kg
1276 TRENCH-4/8.0		
BENZENE	0.88 mg/kg	0.18 mg/kg
TOLUENE	0.38 mg/kg	0.18 mg/kg
ETHYLBENZENE	0.83 mg/kg	0.18 mg/kg
XYLENE	2.0 mg/kg	0.18 mg/kg

APPENDIX J
LABORATORY REPORTS
(GROUNDWATER SAMPLES)



3700 Lakeville Highway, Petaluma, CA 94954
P.O. Box 999224, Petaluma, CA 94978-9224
Telephone: (707) 783-8246 FAX: (707) 783-0088

Maynard Geisler
Dames & Moore
3700 Lakeville Hwy.
Petaluma, CA 94954

Client Code: DAMQ3
Contract/PO # QUOTE-1005
Survey #
64TH ST.-EMERYVILLE
Project/Release # 19002-003-043

Page 1

LABORATORY RESULTS

Date Collected: 04/13/90
Date Extracted: 04/24/90
Date Analyzed: 04/24/90

Laboratory Job No.: 901726
Date Received: 04/16/90
Date Reported: 04/27/90

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

<u>LABNO</u> <u>SMPLNO-ID</u>	<u>RESULTS</u>	<u>DET.LIM</u>
9709 TMW-1 DIESEL	ND	0.10 mg/L
9710 TMW-2 DIESEL	ND	0.10 mg/L
9711 TMW-3 DIESEL	ND	0.10 mg/L

THIS REPORT HAS BEEN REVIEWED
AND APPROVED FOR RELEASE.

MF



3700 Lafayette Highway, Petaluma, CA 94954
P.O. Box 889234, Petaluma, CA 94975-9234
Telephone: (707) 763-8346 FAX: (707) 763-4998

L A B O R A T O R Y R E S U L T S

Page 2

Date Collected: 04/13/90
Date Extracted: 04/17/90
Date Analyzed: 04/17/90

Laboratory Job No.: 901726
Date Received: 04/16/90
Date Reported: 04/27/90

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

<u>LABNO SMPLNO-ID</u>	<u>RESULTS</u>	<u>DET.LIM</u>
9709 TMW-1 GASOLINE	0.56 mg/L	0.08 mg/L
9710 TMW-2 GASOLINE	0.14 mg/L	0.06 mg/L
9711 TMW-3 GASOLINE	ND	0.05 mg/L



3700 Lascolle Highway, Petaluma, CA 94954
P.O. Box 88824, Petaluma, CA 94978-8824
Telephone: (707) 763-8246 FAX: (707) 763-4888

LABORATORY RESULTS

Page 3

Date Collected: 04/13/90
Date Extracted: 04/17/90
Date Analyzed: 04/17/90

Laboratory Job No.: 901726
Date Received: 04/16/90
Date Reported: 04/27/90

ASSAY: TPH/ BTEX (EPA 5030/602)
MATRIX: LIQUID

LABNO SMPLNO-ID	RESULTS	DET.LIM
9709 TMW-1		
BENZENE	0.01 mg/L	0.002 mg/L
TOLUENE	ND	0.002 mg/L
ETHYLBENZENE	0.01 mg/L	0.002 mg/L
XYLENE	0.03 mg/L	0.002 mg/L
9710 TMW-2		
BENZENE	0.01 mg/L	0.001 mg/L
TOLUENE	ND	0.001 mg/L
ETHYLBENZENE	0.002 mg/L	0.001 mg/L
XYLENE	0.007 mg/L	0.001 mg/L
9711 TMW-3		
BENZENE	ND	0.001 mg/L
TOLUENE	ND	0.001 mg/L
ETHYLBENZENE	ND	0.001 mg/L
XYLENE	ND	0.001 mg/L

NOTE: A PEAK MATCHING THAT OF TRICHLOROETHENE (TCE) AS PRESENT IN ABOVE SAMPLES AT APPROXIMATE CONCENTRATIONS OF 4 TO 9 ppb.

LABORATORY NUMBER: 102424
 CLIENT: ENSR CORPORATION
 PROJECT ID: 9412-A38
 LOCATION: MISSION TAYLOR PROPERTIES

DATE RECEIVED: 11/30/90
 DATE ANALYZED: 12/05/90
 DATE REPORTED: 12/05/90

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)
102424-1	TMW-1.1	ND	1.0
102424-2	TMW-2.1	ND	1.0
102424-3	TMW-3.1	ND	1.0

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

RPD, %	<1
RECOVERY, %	86

LABORATORY NUMBER: 102424
 CLIENT: ENSR CORPORATION
 PROJECT ID: 9412-A38
 JOB LOCATION: MISSION TAYLOR PROPERTIES

DATE RECEIVED: 11/30/90
 DATE ANALYZED: 12/03/90
 DATE REPORTED: 12/05/90

Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 8020
 Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	BENZENE (ug/L)	TOLUENE (ug/L)	TOTAL XYLENES (ug/L)	ETHYL BENZENE (ug/L)	REPORTING LIMIT * (ug/L)
102424-5	TMW-1.1	3.2	ND	ND	3.2	1.0
102424-6	TMW-2.1	3.8	ND	ND	ND	1.0
102424-7	TMW-3.1	ND	ND	ND	ND	1.0

ND = Not detected at or above reporting limit.

* Reporting Limit applies to all analytes.

QA/QC SUMMARY

RPD, %	13
RECOVERY, %	100

APPENDIX K
LABORATORY REPORTS
(GROUNDWATER SAMPLES)



3700 Lakeville Highway, Petaluma, CA 94954
P.O. Box 88824, Petaluma, CA 94978-8824
Telephone: (707) 763-8346 FAX: (707) 763-8886

Maynard Geisler
Dames & Moore
3700 Lakeville Hwy.
Petaluma, CA 94954

Client Code: DAMQ3
Survey #
64TH ST., EMERYVILLE
Project/Release # 19002-003-043

LABORATORY RESULTS

Page 1

Date Collected: 04/12/90
Date Extracted: 04/17/90
Date Analyzed: 04/19/90

Laboratory Job No.: 901709
Date Received: 04/13/90
Date Reported: 05/01/90

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

LABNO SMPLENO-ID	RESULTS	DET.LIM
9603 1B-TMW-1 DIESEL	ND	5.0 mg/kg
9604 3A-TMW-1 DIESEL	230 mg/kg	5.0 mg/kg
9605 1B-TMW-2 DIESEL	ND	5.0 mg/kg
9606 2B-TMW-2 DIESEL	16 mg/kg	5.0 mg/kg
9607 2A-TMW-3 DIESEL	ND	5.0 mg/kg
9608 3A-TMW-3 DIESEL	ND	5.0 mg/kg

THIS REPORT IS THE PROPERTY OF
AND SHOULD BE KEPT CONFIDENTIAL



3700 Lafayette Highway, Petaluma, CA 94954
P.O. Box 88824, Petaluma, CA 94975-8824
Telephone: (707) 763-8345 FAX: (707) 763-4998

LABORATORY RESULTS

Page 2

Date Collected: 04/12/90
Date Extracted: 04/27/90
Date Analyzed: 04/27/90

Laboratory Job No.: 901709
Date Received: 04/13/90
Date Reported: 05/01/90

ASSAY: TPH/GASOLINE (EPA 5020/8015)
MATRIX: SOIL

<u>LABNO</u> <u>SMPLNO-ID</u>	<u>RESULTS</u>	<u>DET.LIM</u>
9603 1B-TMW-1 GASOLINE	16 mg/kg	0.05 mg/kg
9604 3A-TMW-1 GASOLINE	3900 mg/kg	250 mg/kg
9605 1B-TMW-2 GASOLINE	19 mg/kg	0.05 mg/kg
9606 2B-TMW-2 GASOLINE	220 mg/kg	25 mg/kg
9607 2A-TMW-3 GASOLINE	ND	0.05 mg/kg
9608 3A-TMW-3 GASOLINE	ND	0.05 mg/kg



3700 Lafayette Highway, Petaluma, CA 94954
P.O. Box 66824, Petaluma, CA 94973-0824
Telephone: (707) 783-8345 FAX: (707) 783-4088

LABORATORY RESULTS

Page 3

Date Collected: 04/12/90
Date Extracted: 04/27/90
Date Analyzed: 04/27/90

Laboratory Job No.: 901709
Date Received: 04/13/90
Date Reported: 05/01/90

ASSAY: TPH/ BTEX (EPA 5020/8020)
MATRIX: SOIL

LABNO SMP LNO-ID -----	RESULTS -----	DET. LIM -----
9603 1B-TMW-1		
BENZENE	0.59 mg/kg	0.001 mg/kg
TOLUENE	0.11 mg/kg	0.001 mg/kg
ETHYLBENZENE	ND	0.001 mg/kg
XYLENE	0.73 mg/kg	0.001 mg/kg
9604 3A-TMW-1		
BENZENE	75 mg/kg	5.0 mg/kg
TOLUENE	85 mg/kg	5.0 mg/kg
ETHYLBENZENE	43 mg/kg	5.0 mg/kg
XYLENE	120 mg/kg	5.0 mg/kg
9605 1B-TMW-2		
BENZENE	0.33 mg/kg	0.001 mg/kg
TOLUENE	0.08 mg/kg	0.001 mg/kg
ETHYLBENZENE	ND	0.001 mg/kg
XYLENE	0.56 mg/kg	0.001 mg/kg
9606 2B-TMW-2		
BENZENE	7.3 mg/kg	0.5 mg/kg
TOLUENE	8.6 mg/kg	0.5 mg/kg
ETHYLBENZENE	2.7 mg/kg	0.5 mg/kg
XYLENE	6.6 mg/kg	0.5 mg/kg
9607 2A-TMW-3		
BENZENE	ND	0.001 mg/kg
TOLUENE	ND	0.001 mg/kg
ETHYLBENZENE	ND	0.001 mg/kg
XYLENE	ND	0.001 mg/kg



3700 Lafayette Highway, Petaluma, CA 94954
P.O. Box 88824, Petaluma, CA 94975-824
Telephone: (707) 763-8346 FAX: (707) 763-4886

LABORATORY RESULTS

Page 4

Laboratory Job No.: 901709

LABNO SMPLNO-ID	RESULTS	DET.LIM
9608 3A-TMW-3		
BENZENE	ND	0.001 mg/kg
TOLUENE	ND	0.001 mg/kg
ETHYLBENZENE	ND	0.001 mg/kg
XYLENE	ND	0.001 mg/kg



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

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 11/30/90

DATE REPORTED: 12/05/90

LAB NUMBER: 102424

CLIENT: ENSR CORPORATION

REPORT ON: 6 WATER SAMPLES

PROJECT ID: 9412-A38

LOCATION: MISSION TAYLOR PROPERTIES

RESULTS: SEE ATTACHED



QA/QC Approval



Final Approval

Berkeley

Wilmington

Los Angeles



LABORATORY NUMBER: 102424
CLIENT: ENSR CORPORATION
PROJECT ID: 9412-A38
LOCATION: MISSION TAYLOR PROPERTIES

DATE RECEIVED: 11/30/90
DATE EXTRACTED: 12/03/90
DATE ANALYZED: 12/04/90
DATE REPORTED: 12/05/90

Extractable Petroleum Hydrocarbons in Aqueous Solutions
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	KEROSENE RANGE (ug/L)	DIESEL RANGE (ug/L)	REPORTING LIMIT* (ug/L)
102424-1	TMW-1	ND	ND	50
102424-2	TMW-2	ND	ND	50
102424-3	TMW-3	ND	ND	50

ND = Not detected at or above reporting limit.

*Reporting limit applies to all analytes.

102424

CHAIN OF CUSTODY RECORD

72 hrs. Turn around

Client/Project Name Mission Taylor Properties	Project Location 410 64 th St. Emeryville	ANALYSES	
--	---	----------	--

Project No. 9412 - A38	Field Logbook No.	TETA = D TOTA EPA 8015 BTEX EPA 8020
---------------------------	-------------------	--

Sampler: (Signature) <i>John Koss</i>	Chain of Custody Tape No.
--	---------------------------

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	REMARKS
1 TMW-1	11/30/90	10:30		Water	✓
2 TMW-2	11/30/90	11:30		Water	✓
3 TMW-3	11/30/90	12:30		Water	✓
4 TMA-1	11/30/90	12:30			Hold
5 TMW-1.1	11/30/90	10:30			✓
6 TMW-2.1	11/30/90	11:30			✓
7 TMW-3.1	11/30/90	12:30			✓

Relinquished by: (Signature) <i>John Koss</i>	Date 11/30/90	Time 2:22	Received by: (Signature)	Date	Time
--	------------------	--------------	--------------------------	------	------

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
------------------------------	------	------	--------------------------	------	------

Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature) <i>James M. North</i>	Date 11/30/90	Time 2:22
------------------------------	------	------	---	------------------	--------------

Sample Disposal Method:	Disposed of by: (Signature)	Date	Time
-------------------------	-----------------------------	------	------

SAMPLE COLLECTOR John Koss ENSR Consulting Engineering 1320 Harbor Bay Parkway Alameda CA 94501 415-865-1888	ANALYTICAL LABORATORY	ENSR
---	-----------------------	-------------

**APPENDIX L
BORING LOGS**

TMW-1

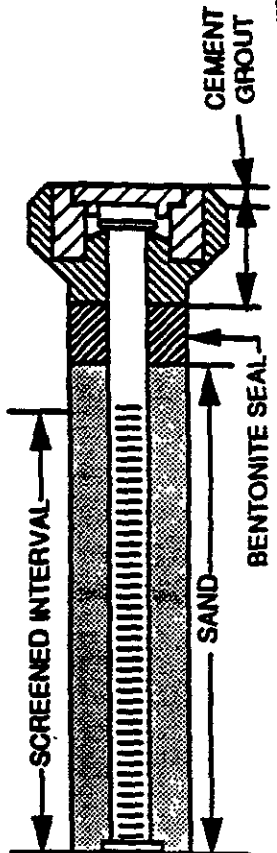
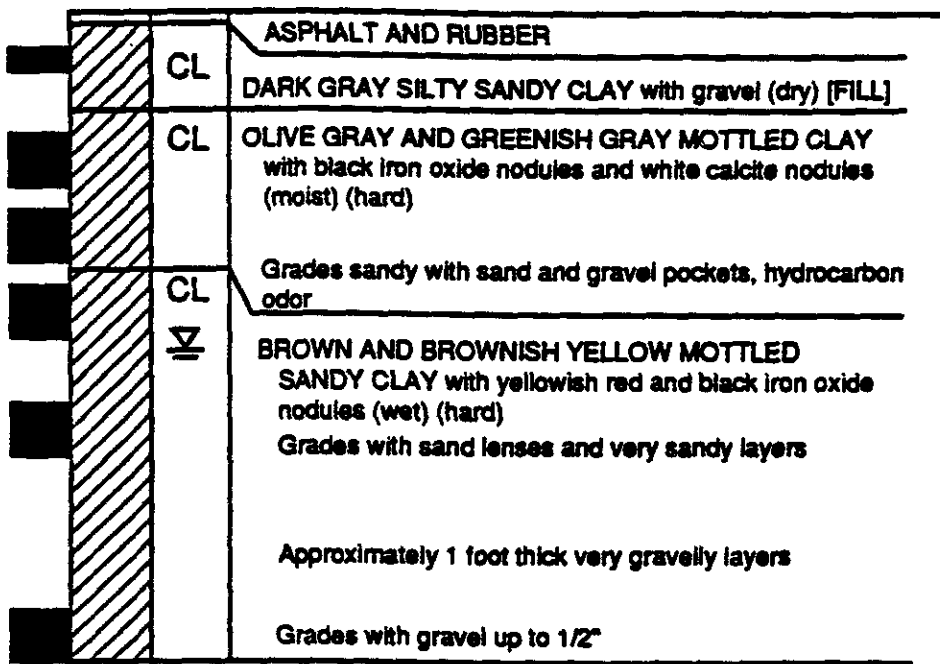
DATE DRILLED: 4/12/90

ELEVATION: 16.5 feet

DEPTH IN FEET	SAMPLING	
	TYPE OF SAMPLER	SAMPLING RESISTANCE
0		
CA	40	
CA	70	
5		
CA	40	
CA	30	
10		
CA	24	
15		
CA	60	
20		
25		
25		
25		

SAMPLES

SYMBOLS DESCRIPTION



NOTES:

1. Boring completed at a depth of 15.5 feet on 4/12/90
2. 2-inch PVC observation well installed to a depth of 15.0 feet; screened interval from 5.0 to 15.0 feet.
3. Sampling resistance is measured in blows per foot required to drive the sampler 12 inches with a 140 lb. hammer falling 30 inches after sampler has been seated 6 inches.
4. Boring log indicates interpreted subsurface conditions only at the location and the time the boring was drilled.
5. For an explanation of terms used see the Soils Classification Chart and Key to Test Data, Plate A-4.

LOG OF BORING
Dames & Moore

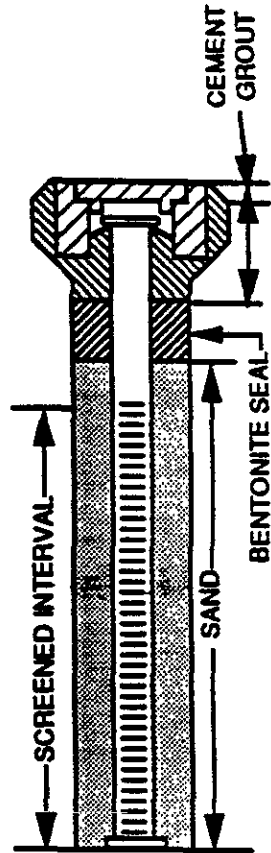
TMW-2

DATE DRILLED: 4/12/90

ELEVATION: 15.6 feet

DEPTH IN FEET	SAMPLING	
	TYPE OF SAMPLER	SAMPLING RESISTANCE
0	CA	push
5	CA	push
	CA	push
10	CA	push
15	CA	—
20		
25		
25		
25		

SAMPLES	SYMBOLS	DESCRIPTION
		CONCRETE
	CL	DARK GRAY SILTY SANDY CLAY with gravel (slightly moist) [FILL]
		OLIVE GRAY AND DARK GREEN MOTTLED CLAY with white calcite nodules and small reddish brown sand pockets (moist) (very stiff) Grades sandy with sand and gravel pockets, hydrocarbon odor
	CL	BROWN AND BROWNISH YELLOW MOTTLED SANDY CLAY with black iron oxide nodules and minor amount of gravel (very stiff) (moist)
		Grades wet
	SP	BROWN AND BROWNISH YELLOW MOTTLED GRAVELLY SAND with some clay and silt (wet)



NOTES:

1. Boring completed at a depth of 15.5 feet on 4/12/90
2. 2-inch PVC observation well installed to a depth of 15.0 feet; screened interval from 5.0 to 15.0 feet.
3. Sampling resistance is measured in blows per foot required to drive the sampler 12 inches with a 140 lb. hammer falling 30 inches after sampler has been seated 6 inches.
4. Boring log indicates interpreted subsurface conditions only at the location and the time the boring was drilled.
5. For an explanation of terms used see the Soils Classification Chart and Key to Test Data, Plate A-4.

LOG OF BORING

Dames & Moore

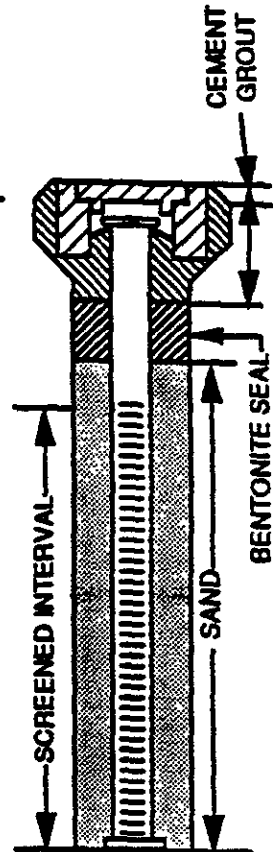
TMW-3

DATE DRILLED: 4/12/90

ELEVATION: 15.4 feet

DEPTH IN FEET	SAMPLING	
	TYPE OF SAMPLER	SAMPLING RESISTANCE
0		
	CA	44
	CA	58
5	CA	52
	CA	17
10	CA	28
15	CA	40
20		
25		
25		
25		

SAMPLES	SYMBOLS	DESCRIPTION
		ASPHALT AND BRICK
	CL	DARK GRAY SILTY SANDY CLAY with gravel (moist) (hard) [FILL]
	CL	OLIVE GRAY AND GREENISH GRAY MOTTLED SANDY CLAY with black iron oxide nodules (moist) (hard)
	CL	BROWN AND BROWNISH YELLOW MOTTLED SANDY CLAY, sand is coarse (wet) (stiff to very stiff)
	SP	BROWN SAND, with some clay and gravel, contains gravelly layers (wet) (medium dense)
	CL	BROWN AND BROWNISH YELLOW MOTTLED SILTY CLAY with some sand (wet) (very stiff)



NOTES:

1. Boring completed at a depth of 15.5 feet on 4/12/90
2. 2-inch PVC observation well installed to a depth of 15.0 feet; screened interval from 5.0 to 15.0 feet.
3. Sampling resistance is measured in blows per foot required to drive the sampler 12 inches with a 140 lb. hammer falling 30 inches after sampler has been seated 6 inches.
4. Boring log indicates interpreted subsurface conditions only at the location and the time the boring was drilled.
5. For an explanation of terms used see the Soils Classification Chart and Key to Test Data, Plate A-4.

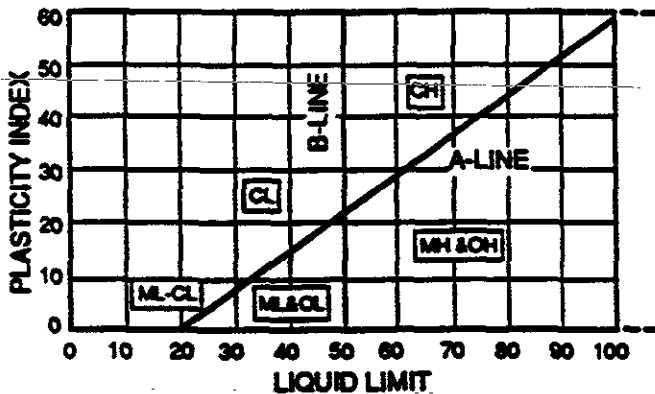
LOG OF BORING
Dames & Moore

PLATE A-3

UNIFIED SOIL CLASSIFICATION SYSTEM

SYMBOL	LETTER	DESCRIPTION	MAJOR DIVISIONS				
GW	GW	WELL-GRADED GRAVELS OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	CLEAN GRAVELS (LITTLE OR NO FINES)	GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		
GP	GP	POORLY-GRADED GRAVELS OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES					
GM	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES					
GC	GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES					
SW	SW	WELL-GRADED SAND OR GRAVELLY SANDS, LITTLE OR NO FINES	CLEAN SANDS (LITTLE OR NO FINES)	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)	
SP	SP	POORLY-GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES					
SM	SM	SILTY SANDS, SAND-SILT MIXTURES					
SC	SC	CLAYEY SANDS, SAND-CLAY MIXTURES					
ML	ML	INORGANIC SILTS, VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY	SILTS & CLAYS LIQUID LIMIT LESS THAN 50				COARSE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE FOR VISUAL CLASSIFICATION, THE 1/4" SIZE MAY BE USED AS EQUIVALENT TO THE NO. 4 SIEVE SIZE
CL	CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS					
OL	OL	ORGANIC SILTS AND ORGANIC SILT-CLAYS OF LOW PLASTICITY					
MH	MH	ORGANIC SILTS AND ORGANIC SILT-CLAYS OF LOW PLASTICITY					
CH	CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS					
OH	OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS					
PT	PT	PEAT AND OTHER HIGHLY ORGANIC SOILS	SILTS & CLAYS LIQUID LIMIT GREATER THAN 50		FINE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE THE NO. 200 U.S. STANDARD SIEVE IS ABOUT THE SMALLEST PARTICLE VISIBLE TO THE NAKED EYE		
			HIGHLY ORGANIC SOILS				

PLASTICITY CHART



TYPES OF SOIL SAMPLERS

CA - MODIFIED CALIFORNIA SAMPLER

KEY TO SAMPLES

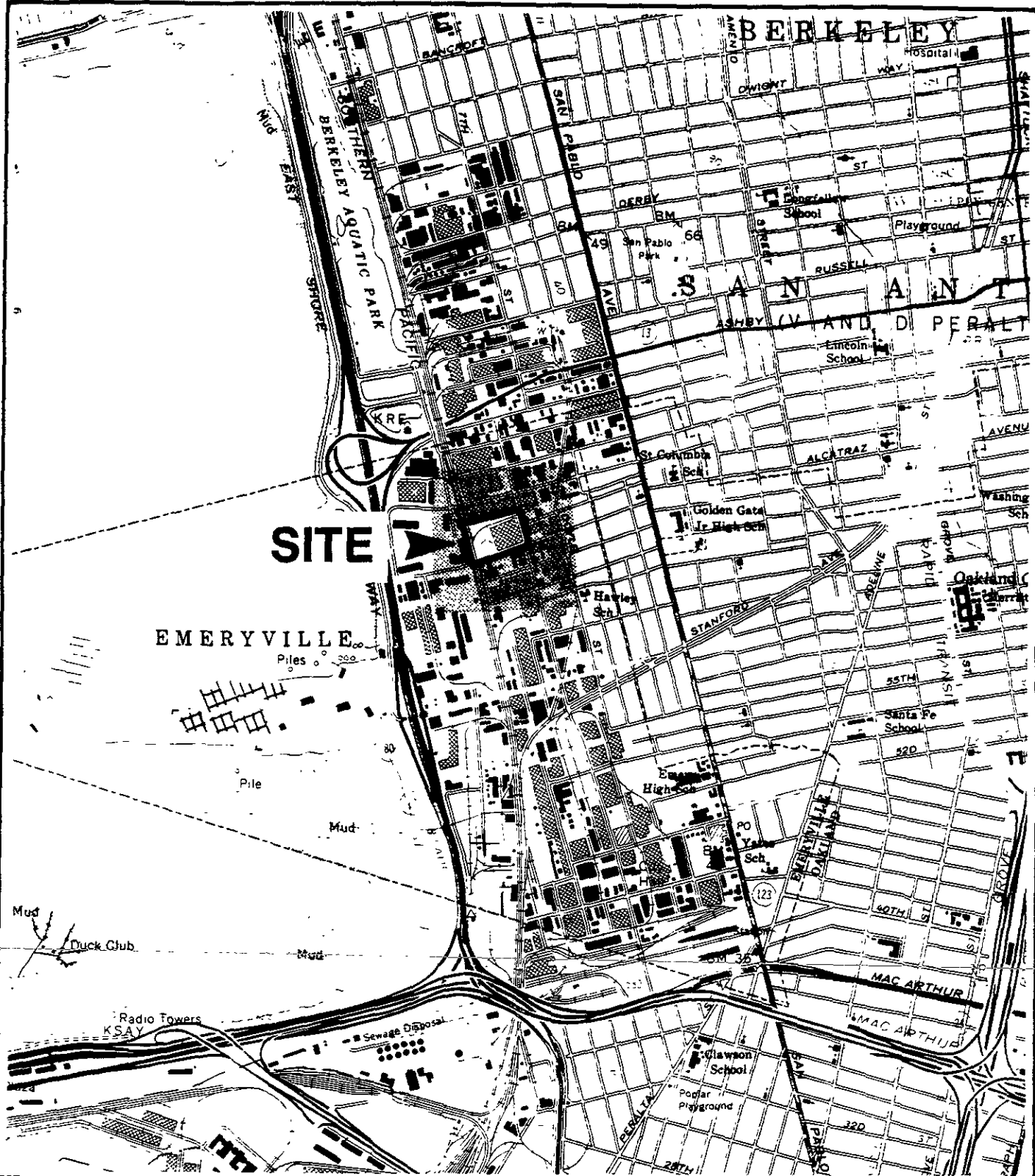
- INDICATES UNDISTURBED SAMPLE
- INDICATES DISTURBED SAMPLE
- INDICATES NO RECOVERY

KEY TO TEST DATA

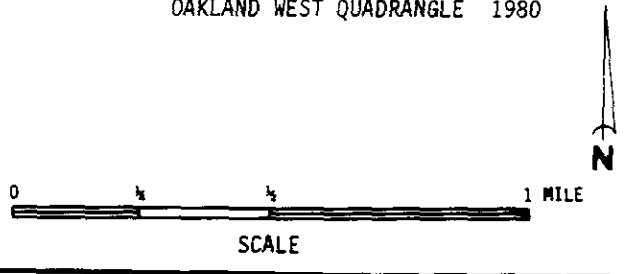
- LV - LABORATORY VANE SHEAR TEST
- TV - TORVANE (PERFORMED IN FIELD)
- PP - POCKET PENETROMETER
- TXUU - TRIAXIAL COMPRESSION-UNCONSOLIDATED UNDRAINED
- DSCU - DIRECT SHEAR-CONSOLIDATED UNDRAINED
- AL - ATTERBERG LIMITS
- GSA - GRAIN SIZE ANALYSES
- C - CONSOLIDATION TEST

SOIL CLASSIFICATION CHART AND KEY TO TEST DATA

Dames & Moore



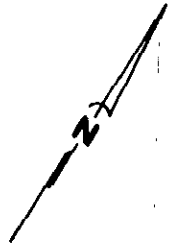
REFERENCE: USGS 7.5 MINUTE SERIES
OAKLAND WEST QUADRANGLE 1980



ENSR

SITE LOCATION MAP
MISSION TAYLOR PROPERTIES
1410 64th STREET
EMERYVILLE, CALIFORNIA

DRAWN BY: <i>ML</i>	DATE: 01/10/91	PROJECT NO.: 4682-001
CHK'D BY: <i>CS</i>	REVISED	DWG. NO.: FIGURE 1



TMW-2 ⊕

BUILDING

SIDEWALK

HOLLIS

LIMITS OF EXCAVATION

FUEL PUMP

FORMER GASOLINE UNDERGROUND STORAGE TANK

FORMER DIESEL UNDERGROUND STORAGE TANK

64th ⊕ TMW-3

TMW-1 ⊕ STREET

SCALE 0 5 10 20 FEET

STREET

EXPLANATION

- 4 SOIL SAMPLE LOCATION
- ⊕ TMW-3 SOIL BORINGS/MONITORING WELLS

ENSRTM

SITE PLAN (DETAIL)
 MISSION TAYLOR PROPERTIES
 1410 64th STREET
 EMERYVILLE, CALIFORNIA

DRAWN BY: *MZL*

DATE: 01/10/91

PROJECT NO.: 4682-001

CHK'D BY: *JS*

REVISED.

DWG. NO.: FIGURE 2