

## CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN FRANCISCO BAY REGION

2101 WEBSTER STREET, SUITE 500

OAKLAND, CA 94612

(510) 286-1255



Mr. Bob La Rue  
P.O. Drawer E  
Alameda, 94501

June 2, 1993  
File: 01-0294(UST)

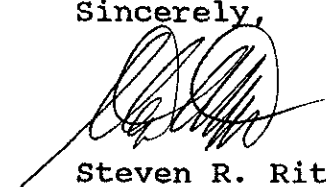
RE: **Case closure for Underground Storage Tank Site,  
Alameda Electric, 2420 Blanding Avenue, Alameda,  
Alameda County**

Dear Mr. La Rue,

The Alameda County Department of Environmental Health (ACHD) has submitted a letter which recommends the closure for your site involving the removal of one 1,000 gallon gasoline tank and one 500 gallon gasoline tank. Regional Board staff have reviewed the file for your site and concur with this recommendation. Therefore based on the available information for the above site, it appears that further investigation and cleanup of petroleum hydrocarbons are not necessary. Further work could be required if conditions change or a water quality threat is discovered at the site.

Please contact Richard Hiett from my staff at (510) 286-4359 if you have any questions regarding the contents of this letter.

Sincerely,



Steven R. Ritchie  
Executive Officer

cc: ACHD, 80 Swan Way, Suite 200, Oakland, CA 94621  
Attn: Ms. Juliet Shin

rch/ust



KAPREALIAN ENGINEERING  
INCORPORATED.

December 30, 1992

Juliette Shin  
Alameda County Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

**RE: ALAMEDA ELECTRIC SOIL SAMPLING REPORTS**

Dear Juliette:

I apologize for the delay in sending you the enclosed reports. Paradiso Construction, in addition to sending you the other requested information was to also send you copies of the reports.

Nevertheless, here they are. If you require any additional information, Paradiso Construction Company, the General Contractor, is the responsible party.

Sincerely,

Kaprealian Engineering, Inc.

  
Deanna L. Harding  
Technical Assistant

.dlh

Enclosures

# UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY (HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.)	
REPORT DATE 06 / 29 / 92		CASE # _____ SIGNED: <i>Deanna Harding</i> DATE: 12/17/92			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT: Deanna Harding Paradiso Construction (As Agent)		PHONE: (510) 614-8390		SIGNATURE: <i>Deanna Harding</i>
	REPRESENTING: <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME: ALAMEDA ELECTRIC		
	ADDRESS: 2420 Blanding Avenue, Alameda, CA 94501				
RESPONSIBLE PARTY	NAME: ALAMEDA ELECTRIC <input type="checkbox"/> UNKNOWN		CONTACT PERSON: Bob LaRue		PHONE: (510) 523-6933
	ADDRESS: 2420 Blanding Avenue, Alameda, CA 94501				
SITE LOCATION	FACILITY NAME (IF APPLICABLE): ALAMEDA ELECTRIC		OPERATOR:		PHONE: (510) 523-6933
	ADDRESS: 2420 Blanding Avenue, Alameda, CA 94501				
	CROSS STREET: Park Avenue				
IMPLEMENTING AGENCIES	LOCAL AGENCY: Alameda County Health Care Services		CONTACT PERSON: Kevin Tinsley		PHONE: (510) 271 4320
	REGIONAL BOARD: _____ PHONE: ( ) _____				
SUBSTANCES INVOLVED	(1) NAME: Gasoline		QUANTITY LOST (GALLONS): -0- <input checked="" type="checkbox"/> UNKNOWN		
	(2) _____ <input type="checkbox"/> UNKNOWN				
DISCOVERY/ABATEMENT	DATE DISCOVERED: 05 / 29 / 92		HOW DISCOVERED: <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER		
	DATE DISCHARGE BEGAN: _____ <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE: _____				
SOURCE/ CAUSE	SOURCE OF DISCHARGE: <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S): <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER		
	CHECK ONE ONLY: <input type="checkbox"/> UNDETERMINED <input checked="" type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY:				
	<input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input checked="" type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY				
REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS):				
	<input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT)				
COMMENTS	_____				



**ALAMEDA ELECTRICAL  
DISTRIBUTORS, INC.**

92 OCT 14 PM 2:26

12/9/92

ALAMEDA COUNTY ENVIRONMENTAL  
HEALTH DEPARTMENT  
80 SWAN WAY, ROOM 200  
OAKLAND, CA 94621

ATTN: ~~MR. [REDACTED]~~

RE: REQUEST FOR SITE CLOSURE  
ALAMEDA ELECTRIC - TANK REMOVAL  
2420 BLANDING AVENUE  
ALAMEDA, CALIFORNIA

DEAR ~~MR. [REDACTED]~~: L.O.P. Site:


ENCLOSED PLEASE FIND THE SOIL SAMPLING DATED JUNE 29, 1992,  
AND THE STOCKPILED SOIL SAMPLING REPORT DATED OCTOBER 19,  
1992, FOR THE TANK REMOVAL AT THE ABOVE REFERENCED SITE. ALL  
SPECIFIC DATA CONCERNING THE TANK REMOVALS AT THIS SITE ARE  
CONTAINED IN THE ENCLOSED REPORTS.

BASED ON THE ANALYTICAL RESULTS OF THE SAMPLES COLLECTED  
DURING THE TANK REMOVAL PROJECT, NO SIGNIFICANT SOIL  
CONTAMINATION APPEARS TO BE PRESENT AT THE SUBJECT SITE. IN  
ADDITION, TWO TANKS SHOWED NON-DETECTABLE CONCENTRATIONS OF  
ALL HYDROCARBON CONSTITUENTS, WITH THE EXCEPTION OF ONE  
SAMPLE (W-2) SHOWING 110 PPB OF TOTAL PETROLEUM HYDROCARBONS  
AS GASOLINE. THEREFORE, BASED ON THE ANALYTICAL RESULTS, WE  
REQUEST A SITE CLOSURE.

SHOULD YOU HAVE ANY QUESTIONS ON THIS MATTER, PLEASE CALL ME  
AT (510)523-6933.

SINCERELY,

ALAMEDA ELECTRIC

  
ROBERT LARUE

ENCS.

BL/dk

cc: PARADISO CONSTRUCTION  
RWQCB, SAN FRANCISCO BAY REGION  
2101 WEBSTER #500  
OAKLAND, CA 94612

# PARADISO CONSTRUCTION CO.

# LETTER OF TRANSMITTAL

GENERAL & PETROLEUM CONTRACTORS Contractor's Lic. #259820

2600 Williams St., P.O. Box 1836, San Leandro, CA  
 (510) 614-8390/Fax: (510) 614-8396 94577

DATE	7-9-92	JOB NO	736MS
ATTENTION	KEVIN TINSLEY		
RE.	TANK REMOVAL - SOIL SAMPLE REPORT		

TO ALAMEDA COUNTY HEALTH CARE SERVICES  
80 Swan Way, Room 200  
Oakland, CA 94621

WE ARE SENDING YOU  Attached  Under separate cover via \_\_\_\_\_ the following items:

- Shop drawings     Prints     Plans     Samples Results  Specifications  
 Copy of letter     Change order     \_\_\_\_\_

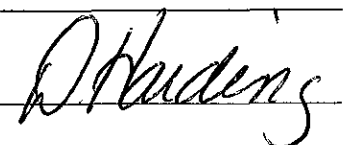
COPIES	DATE	NO.	DESCRIPTION
1	6-29		SAMPLE RESULTS FOR: a ALAMEDA ELECTRIC 2420 Blanding Avenue Alameda, CA 94501
1	06/29/92		Underground Storage Tank Unauthorized Release Contamination Site Report

THESE ARE TRANSMITTED as checked below:

- For approval     Approved as submitted     Resubmit \_\_\_\_\_ copies for approval  
 For your use     Approved as noted     Submit \_\_\_\_\_ copies for distribution  
 As requested     Returned for corrections     Return \_\_\_\_\_ corrected prints  
 For review and comment     \_\_\_\_\_  
 FOR BIDS DUE \_\_\_\_\_ 19 \_\_\_\_\_  PRINTS RETURNED AFTER LOAN TO US

REMARKS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

COPY TO RWQCB, Oakland

SIGNED: Deanna Harding 

If enclosures are not as noted, kindly notify us at once.

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

*Kevin Trisley*  
*Scott Seery*

Project Specialist (print)

SDS  
4-22-92  
ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH  
6800 SAN LEANDRO AVENUE  
OAKLAND, CA 94621  
TELEPHONE 415/271-4320

These plans have been reviewed and found to be acceptable and consistent with the requirements of State and local health laws. Certain conditions related to this Department are to be observed by the applicant and the contractor. The applicant and contractor shall adhere to all conditions and instructions related to this project. The applicant and contractor shall be responsible for all construction and installation involved with this project. An application for these plans and specifications shall be submitted to the Department and the permit shall be issued by the Department. The applicant shall be responsible for obtaining all necessary permits and all applicable codes and regulations. The Department shall be notified at least 48 hours prior to the start of construction. The applicant shall provide the following information:

- Removal of Tank and Piping
- Sealing
- Final Inspection

Inspection of site will be conducted dependent on completion of sealed plans and all applicable codes and regulations. The applicant shall be responsible for all construction and installation involved with this project. The applicant shall be responsible for obtaining all necessary permits and all applicable codes and regulations. The Department shall be notified at least 48 hours prior to the start of construction. The applicant shall provide the following information:

UNDERGROUND TANK CLOSURE PLAN

\* \* \* Complete according to attached instructions \* \* \*

1. Business Name Alameda Electric  
Business Owner Alameda Electric Corp.

2. Site Address 2420 Blanding Ave.  
City Alameda Zip 94501 Phone 510-523-6933

3. Mailing Address same as above  
City \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_

4. Land Owner Alameda Electric Corp.  
Address 25823 Clawiter City, State Hayward, CA Zip 94545

5. Generator name under which tank will be manifested Alameda Electric

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EPA I.D. No. under which tank will be manifested unknown

6. Contractor Paradiso Construction Co.  
Address 2600 Williams Street  
City San Leandro, CA Phone 510-614-8390  
License Type A,B,C-8,C-61,C-10, ID# 259820  
D23, HAZ

7. Consultant \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Phone \_\_\_\_\_

8. Contact Person for Investigation  
Name Bob Larue Title President  
Phone 510-523-6933

9. Number of tanks being closed under this plan 2  
Length of piping being removed under this plan 15 feet  
Total number of tanks at facility 2

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

**\*\* Underground tanks are hazardous waste and must be handled \*\*  
as hazardous waste**

a) Product/Residual Sludge/Rinsate Transporter

Name H&H Environmental Ship Service EPA I.D. No. CAD004771168  
Hauler License No. 0334 License Exp. Date 1/31/93  
Address 220 China Basin  
City San Francisco State CA Zip 94107

b) Product/Residual Sludge/Rinsate Disposal Site

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

c) Tank and Piping Transporter

Name H&H Environmental Ship Serv. EPA I.D. No. CAD004771168  
Hauler License No. 0334 ~~LICENSE~~ Exp. Date 1/31/93  
Address 220 China Basin  
City San Francisco State CA Zip 94107

d) Tank and Piping Disposal Site

Name Same as above EPA I.D. No. \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

11. Experienced Sample Collector

Name \_\_\_\_\_  
Company Kaprealian Engineering  
Address 940 Adams Street  
City Benicia State CA Zip 94510 Phone 707-746-6915

12. Laboratory

Name Sequoia Analytical  
Address 1900 Bates Ave., Suite LM  
City Concord State CA Zip 94520  
State Certification No. 1271

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

If yes, describe. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



14. Describe methods to be used for rendering tank inert

Remove liquid with vacuum truck. Insert 50 pounds per thousand of dry ice. Spray ice with water. Volitalize off all liquid and verify with gastech meter 10% oz./10% LEL before removal, OR PER

**LOCAL FIRE DEPT. REQUIREMENTS**  
 Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
500 gal.	petroleum	Soil -Native -Excavated	(1) Sample <sup>WITHIN</sup> 2' <sub>OF</sub> NATIVE SOIL / BACKFILL INTERFACE below center of tank
500 or 1,000 gal	petroleum	AND GROUND WATER IF ENCOUNTERED	(1) Sample of stockpile (1) Sample piping

One soil sample must be collected for every 20 feet of piping that is removed. A ground water sample must be collected should any ground water be present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) 7	Sampling Plan Sample per 50 cubic yards.  ONE (1) SAMPLE PER 20 YDS <sup>3</sup> IF SOIL IS PLANNED FOR REUSE ON-SITE

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

16. Chemical methods and associated detection limits to be used for analyzing samples

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
Unleaded Gas *		TPH GC/FID (5030) BTEX 8020 or 8240 TPH and BTEX 8260	1.0 ppm 5.0 ppb
* ANALYSES FOR TOTAL LEAD REQUIRED IF USTs EVER STORED LEADED FUEL			
Tank #1	(LEL Max = 35% 27% 4% O <sub>2</sub> )	with <10% O <sub>2</sub> )	
Tank #2	28% 1% O <sub>2</sub>		
Manifest Transporter	for rinate H.H. Ship Service Company #00002 220 China Basin St. S.F., Calif. 94107		

17. Submit Site Health and Safety Plan (See Instructions)

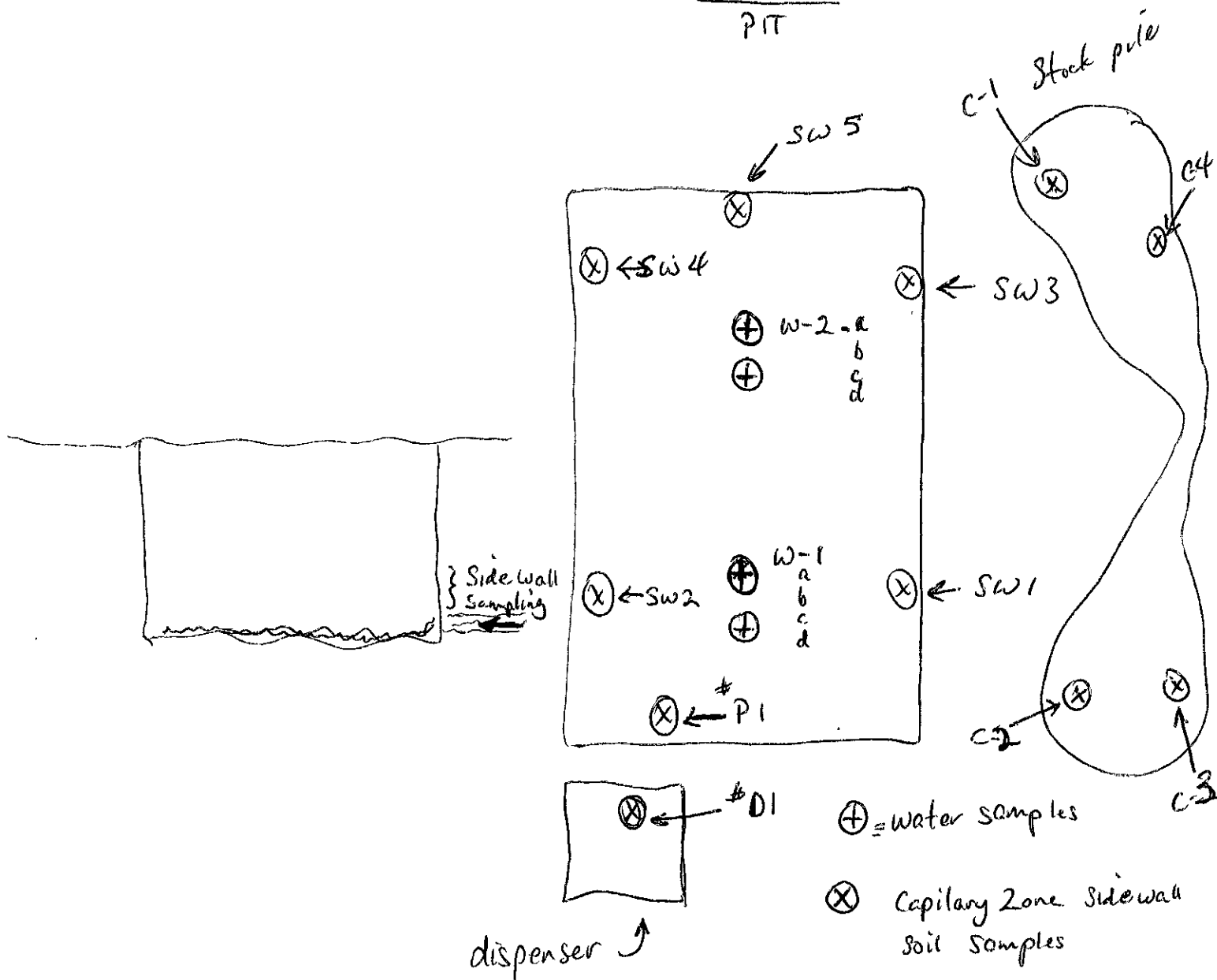
Observations: These turned out to be two 1,000 gallon tanks lined up in series. Upon removal examined both tanks. No holes observed. Metal surface appears good. One conduit over N.E. of pit, the power was turned off. (it serviced the yard light). Groundwater seeping into bottom of pit 6 1/2 ft' level after removal. Contractor says the fill riser was in middle of tank. Samples of side walls taken close by. Soil appears greenish clay/silty. Tanks haven't been used in twelve years per consultant.

Side View

Sampling Protocol

Top View

PIT



NOTE:

There is a fence which closes yard.

18. Submit Worker's Compensation Certificate copy

Name of Insurer Republic Indemnity

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

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 health and safety. 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.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

Signature of Contractor

Name (please type) Paradiso Construction Co.

Signature \_\_\_\_\_

Date 4/2/92

Signature of Site Owner or Operator

Name (please type) Paradiso Construction Co. (as agent)

Signature \_\_\_\_\_

Date 4/2/92

over for Notes (K)

<u>Samples No.</u>		<u>Const. Sample No.</u>	<u>(S)(GW)</u>
1		D1	(S) 2 ft'
2		P1	(S) 3 ft'
3		SW1	(S) 6 ft' greenish Clay
4		SW2	(S) 6 ft'
5		SW3	(S) 6 ft'
6		SW4	(S) 6 ft' brownish Clay
7		SW5	(S) 6 ft'
8		W-1	bottom near center
9		W-2	bottom near west-end Newly regenerated.
		Stockpile Composite	
10	expect	C-1	South-west
11	Comp-A	C-2	North-east
12	from Lab.	C-3	North-west
13	Report	C-4	South-west

## INSTRUCTIONS

### General Instructions

- \* Three (3) copies of this plan plus attachments and deposit must be submitted to this Department.
- \* Any cutting into tanks requires local fire department approval.
- \* One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.

### Item Specific Instructions

2. SITE ADDRESS  
Address at which closure is taking place.
5. EPA I.D. NO. under which the tanks will be manifested  
EPA I.D. numbers may be obtained from the State Department of Health Services, 916/324-1781.
6. CONTRACTOR  
Prime contractor for the project.
10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES
  - a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
  - c) Tanks must be hauled as hazardous waste.
  - d) This is the place where tanks will be taken for cleaning.
15. TANK HISTORY AND SAMPLING INFORMATION  
Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.  
  
Material to be sampled - e.g. water, oil, sludge, soil, etc.  
  
Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the high water mark, etc.

17. SITE HEALTH AND SAFETY PLAN

A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:

- a) The name and responsibilities of the site health and safety officer;
- b) Identification of health and safety hazards of each work task. Include potential fire, explosion, physical, and chemical hazards;
- c) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;
- d) Frequency and types of air and personnel monitoring to be used - along with the environmental sampling techniques and instrumentation. Include instrumentation maintenance and calibration methods and frequencies;
- e) Specific personal protective equipment and procedures to be used by workers to protect themselves from the identified hazards. Also state the contaminant concentrations in air - or other conditions - which will trigger changes in work or work habits to ensure workers are not exposed to high levels of hazardous chemicals or to other unsafe conditions;
- f) Confined space entry procedures (if applicable);
- g) Decontamination procedures;
- h) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, security guards, etc.);
- i) Spill containment and emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;
- j) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and
- k) Page for employees to sign indicating they have read and will comply with the site health and safety plan.

The safety plan must be distributed to all employees and contractors working in hazardous waste operations on site. A **complete copy of the site health and safety plan along with any standard operating procedures shall be on site and accessible at all times.**

NOTE: These requirements are excerpts from 29 CFR Part 1910.120, Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the complete requirements of this Rule.

19. PLOT PLAN

The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale;
- b) North Arrow;
- c) Property Lines;
- d) Location of all Structures;
- e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;
- f) Streets;
- g) Underground conduits, sewers, water lines, utilities;
- h) Existing wells (drinking, monitoring, etc.);
- i) Depth to ground water; and
- j) All existing tanks and piping in addition to the ones being pulled.

20. DEPOSIT

A deposit, payable to Alameda County for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans.

21. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from our office and from the San Francisco Bay Regional Water Quality Control Board (415/464-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

22. TANK CLOSURE REPORT

The tank closure report should contain the following information:

- a) General description of the closure activities;
- b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;



- c) Description of the excavation itself. Include the tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;
- d) Description of sampling methods;
- e) Description of any remedial measures conducted at the time of tank removal;
- f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;
- g) Chain of custody records;
- h) Copies of signed laboratory reports;
- i) Copies of "TSDf to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and
- j) Tabulation of the volume and final destination of all non-manifested contaminated soil hauled offsite.

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.
2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.
3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.
4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.
5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractable, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.
6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).
7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).
8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. **Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.**
9. PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:

	<u>SOIL PPM</u>	<u>WATER PPB</u>
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

**TABLE #2**  
**RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR**  
**UNDERGROUND TANK LEAKS**

<u>HYDROCARBON LEAK</u>	<u>SOIL ANALYSIS</u>	<u>WATER ANALYSIS</u>
Unknown Fuel	TPH G     GCFID(5030) TPH D     GCFID(3550) BTX&E     8020 or 8240 TPH AND BTX&E 8260	TPH G     GCFID(5030) TPH D     GCFID(3510) BTX&E     602, 624 or 8260
Leaded Gas	TPH G     GCFID(5030) BTX&E     8020 OR 8240 TPH AND BTX&E 8260 TOTAL LEAD AA -----Optional----- TEL        DHS-LUFT EDB        DHS-AB1803	TPH G     GCFID(5030) BTX&E     602 or 624 TOTAL LEAD AA  TEL        DHS-LUFT EDB        DHS-AB1803
Unleaded Gas	TPH G     GCFID(5030) BTX&E     8020 or 8240 TPH AND BTX&E 8260	TPH G     GCFID(5030) BTX&E     602, 624 or 8260
Diesel, Jet Fuel and Kerosene	TPH D     GCFID(3550) BTX&E     8020 or 8240 TPH AND BTX&E 8260	TPH D     GCFID(3510) BTX&E     602, 624 or 8260
Fuel/Heating Oil	TPH D     GCFID(3550) BTX&E     8020 or 8240 TPH AND BTX&E 8260	TPH D     GCFID(3510) BTX&E     602, 624 or 8260
Chlorinated Solvents	CL HC     8010 or 8240 BTX&E     8020 or 8240 CL HC AND BTX&E 8260	CL HC     601 or 624 BTX&E     602 or 624 CL HC AND BTX&E 8260
Non-chlorinated Solvents	TPH D     GCFID(3550) BTX&E     8020 or 8240 TPH AND BTX&E 8260	TPH D     GCFID(3510) BTX&E     602 or 624 TPH and BTX&E 8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G     GCFID(5030) TPH D     GCFID(3550) TPH AND BTX&E 8260 O & G     5520 D & F BTX&E     8020 or 8240  CL HC     8010 or 8240	TPH G     GCFID(5030) TPH D     GCFID(3510)  O & G     5520 C & F BTX&E     602, 624 or 8260 CL HC     601 or 624
	ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni METHOD 8270 FOR SOIL OR WATER TO DETECT: PCB* PCP* PNA CREOSOTE	PCB PCP PNA CREOSOTE.

\* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary  
Evaluation and Investigation of Underground Tank Sites,  
10 August 1990

Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

ROUTINE	MODIFIED PROTOCOL
$\leq 10$ ppm (42%)	$\leq 10$ ppm (10%)
$\leq 5$ ppm (19%)	$\leq 5$ ppm (21%)
$\leq 1$ ppm (35%)	$\leq 1$ ppm (60%)

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory data sheets.

- LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.
- IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chromatogram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

- REPORTING LIMITS FOR TPH are: gasoline standard  $\leq 20$  carbon atoms, diesel and jet fuel (kerosene) standard  $\leq 50$  carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

#### EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal

Regional Board Staff Recommendations  
Preliminary Site Investigation

10 August 1990

from the water column will be difficult. Other compounds are being added by the oil companies for various purposes. The refinements for detection and analysis for all of these additives are still being worked out. If you have any questions about the methodology, please call your Regional Board representative.

white -env.health  
 yellow -facility  
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF  
 ENVIRONMENTAL HEALTH  
 Hazardous Materials Inspection Form

80 Swan Way, #200  
 Oakland, CA 94621  
 (415) 271-4320

II, III

Site ID # \_\_\_\_\_ Site Name Alameda Electric Today's Date 5/21/92

II.A BUSINESS PLANS (Title 19)

- \_\_\_ 1. Immediate Reporting 2703
- \_\_\_ 2. Bus. Plan Sids 25503(b)
- \_\_\_ 3. RR Cars > 30 days 25503.7
- \_\_\_ 4. Inventory Information 25504(a)
- \_\_\_ 5. Inventory Complete 2730
- \_\_\_ 6. Emergency Response 25504(b)
- \_\_\_ 7. Training 25504(c)
- \_\_\_ 8. Deficiency 25505(a)
- \_\_\_ 9. Modification 25505(b)

Site Address 2420 Blanding  
 City Alameda Zip 94501 Phone 523-6933

\_\_\_ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- \_\_\_ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- \_\_\_ II. Business Plans, Acute Hazardous Materials
- \_\_\_ III. Underground Tanks

Hagop Kevock Consultant (510) 602-5100

• Call Administration Code (CAC) or the Health & Safety Code (HS&C)

II.B ACUTELY HAZ. MATLS

- \_\_\_ 10. Registration Form Filed 25533(a)
- \_\_\_ 11. Form Complete 25533(b)
- \_\_\_ 12. RMPP Contents 25534(c)
- \_\_\_ 13. Implement Sch. Req'd? (Y/N)
- \_\_\_ 14. OffSite Conseq. Assess. 25524(c)
- \_\_\_ 15. Probable Risk Assessment 25534(d)
- \_\_\_ 16. Persons Responsible 25534(g)
- \_\_\_ 17. Certification 25534(f)
- \_\_\_ 18. Exemption Request? (Y/N) 25536(b)
- \_\_\_ 19. Trade Secret Requested? 25538

Comments:

5-15-92

III. UNDERGROUND TANKS (Title 23)

- |                               |  |
|-------------------------------|--|
| General                       | ___ 1. Permit Application 25284 (H&S)  |
|                               | ___ 2. Pipeline Leak Detection 25292 (H&S)   |
|                               | ___ 3. Records Maintenance 2712  |
|                               | ___ 4. Release Report 2651   |
|                               | ___ 5. Closure Plans 2670  |
| Monitoring for Existing Tanks | ___ 6. Method  |
|                               | 1) Monthly Test  |
|                               | 2) Daily Vadose<br>Semi-annual groundwater<br>One time soils                               |
|                               | 3) Daily Vadose<br>One time soils<br>Annual tank test                                      |
|                               | 4) Monthly Groundwater<br>One time soils   |
|                               | 5) Daily Inventory<br>Annual tank testing<br>Cont pipe leak det<br>Vadose/groundwater mon. |
|                               | 6) Daily Inventory<br>Annual tank testing<br>Cont pipe leak det                            |
|                               | 7) Weekly Tank Gauge<br>Annual tank testing  |
|                               | 8) Annual Tank Testing<br>Daily Inventory  |
|                               | 9) Other _____   |
| New Tanks                     | ___ 7. Precis Tank Test 2643   |
|                               | Date: _____  |
|                               | ___ 8. Inventory Rec. 2644   |
|                               | ___ 9. Soil Testing . 2646   |
| ___ 10. Ground Water. 2647    |  |
| ___ 11. Monitor Plan 2632     |  |
| ___ 12. Access Secure 2634    |  |
| ___ 13. Plans Submit 2711     |  |
| Date: _____                   |  |
| ___ 14. As Built 2635         |  |
| Date: _____                   |  |

Tank Pull in progress. Appears both tanks removed are of 1000 gallon capacity instead of 500 gallons. Ground water is filling pit left by tank removal. No problems noted (specific site notes placed in closure packet). Fire Inspector David Costa on site from Alameda Fire department. Total of 13 samples taken, two of groundwater in bottom of pit. There were no holes observed in tank and no visible oily layer on water.

5-18-92 Notified consultant organic lead test is to be included in lab analysis.

Rev 6/88

II, III

Contact: \_\_\_\_\_

Title: File

Signature: \_\_\_\_\_

Inspector: Tinsley

Signature: \_\_\_\_\_

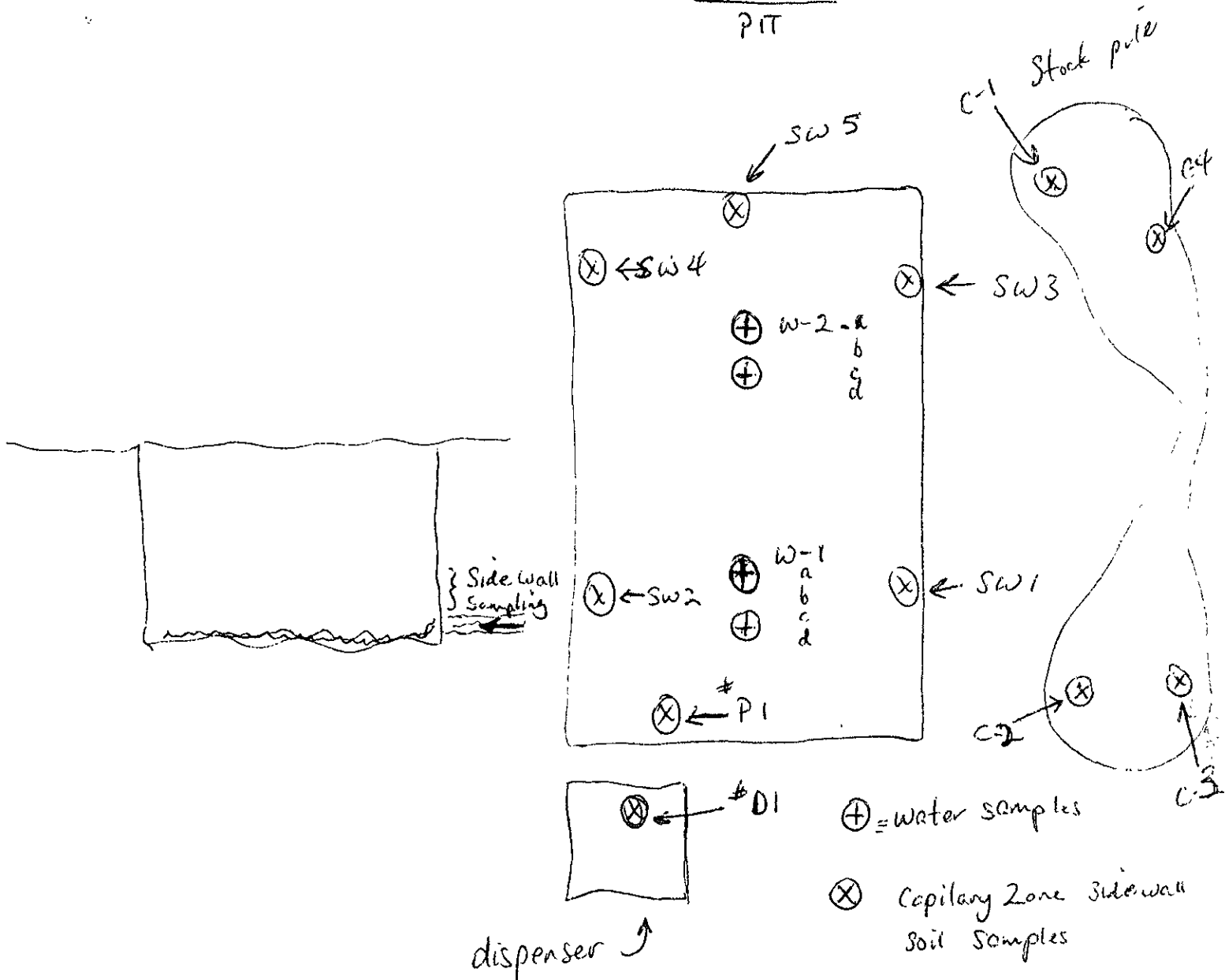
Observations: These turned out to be two 1,000 gallon tanks lined up in series. Upon removal examined both tanks. No holes observed. Metal surface appears good. One conduit over N.E. of pit, the power was turned off. (it serviced the yard light). Groundwater seeping into bottom of pit 6.2 ft level after removal. Contractor says the fill riser was in middle of tank. Samples of side walls taken close by. Soil appears greenish clay/silty. Tanks haven't been used in twelve years per consultant.

Side View

Sampling Protocol

Top View

PIT

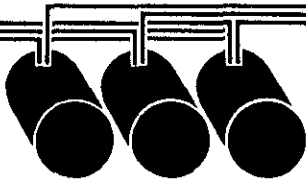


Note:

There is a fence which closes area

# PARADISO CONSTRUCTION CO.

GENERAL & PETROLEUM CONTRACTORS



LICENSE NO. 259820  
P.O. BOX 1836  
2600 WILLIAMS ST.  
SAN LEANDRO, CA 94577  
(510) 614-8390

April 6, 1992

Alameda County Health Care Services  
Dept. of Environmental Health  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, CA 94621

Attn: Kevin Tinsley

Re: Tank Removal @ Alameda Electric  
2420 Blanding Ave., Alameda, CA 94501

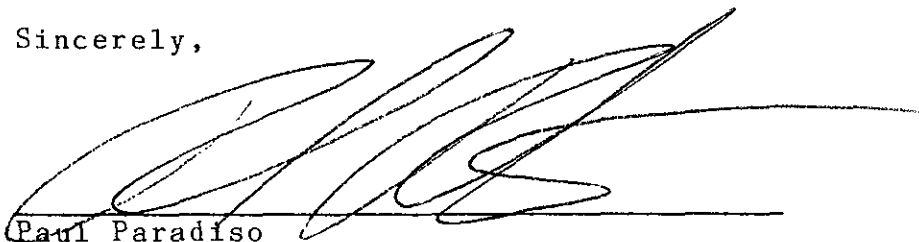
Dear Mr. Tinsley:

Paradiso Construction Co. requests your presence on Saturday, April 25, at 9:00 a.m. to witness removal of 500 gallon and 1,000 gallon underground fuel tanks.

Saturday is requested to accomodate Alameda Electric. Location of tank removal would disrupt business during a week day.

Thank you for your consideration. Please call to confirm or if you have any questions.

Sincerely,



Paul Paradiso

PP/yg



# ACORD. CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)

3/31/92

**PRODUCER**

ANITA MEIER AGENCY  
 2300 CONTRA COSTA BLVD S-320  
 P O BOX 232004  
 PLEASANT HILL CA 94523

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

**COMPANIES AFFORDING COVERAGE**

**INSURED**

PARADISO CONSTRUCTION INC  
 P O BOX 1836  
 SAN LEANDRO CA 94577

- COMPANY LETTER **A**
- COMPANY LETTER **B**
- COMPANY LETTER **C**
- COMPANY LETTER **D**
- COMPANY LETTER **E**

REPUBLIC INDEMNITY CO

0210020  
 0210020  
 0210020  
 0210020  
 0210020

**COVERAGES**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
	<b>GENERAL LIABILITY</b>				GENERAL AGGREGATE \$
	COMMERCIAL GENERAL LIABILITY				PRODUCTS-COMP/OP AGG. \$
	CLAIMS MADE OCCUR.				PERSONAL & ADV INJURY \$
	OWNER'S & CONTRACTOR'S PROT.				EACH OCCURRENCE \$
					FIRE DAMAGE (Any one fire) \$
					MED. EXPENSE (Any one person) \$
	<b>AUTOMOBILE LIABILITY</b>				COMBINED SINGLE LIMIT \$
	ANY AUTO				BODILY INJURY (Per person) \$
	ALL OWNED AUTOS				BODILY INJURY (Per accident) \$
	SCHEDULED AUTOS				PROPERTY DAMAGE \$
	HIRED AUTOS				
	NON-OWNED AUTOS				
	GARAGE LIABILITY				
	<b>EXCESS LIABILITY</b>				EACH OCCURRENCE \$
	UMBRELLA FORM				AGGREGATE \$
	OTHER THAN UMBRELLA FORM				
D	<b>WORKER'S COMPENSATION</b>	FC945188	4/01/92	4/01/95X	STATUTORY LIMITS
	AND				EACH ACCIDENT \$ 1,000,000
	EMPLOYERS' LIABILITY				DISEASE-POLICY LIMIT \$ 1,000,000
					DISEASE-EACH EMPLOYEE \$ 1,000,000

**OTHER**

**DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS**  
 RE: ALL CALIFORNIA OPERATIONS PERFORMED BY THE NAMED INSURED.  
 PLEASE SEE OTHER SIDE FOR SPECIAL CONDITIONS

**CERTIFICATE HOLDER**

ALAMEDA COUNTY  
 ENVIRONMENTAL HEALTH DEPT.  
 80 SWAN WAY ROOM #200  
 OAKLAND CA 94621

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

TONI MEIER JA(B)

Sample No.

# WATER SAMPLE LOG

Sample No. S-16

Project No. 8910011A-0400 Date: 7-25-89

Project Name well BASS

Sample Location: 5505 Stevenson, along sidewalk

Well Description \_\_\_\_\_

Weather Conditions: \_\_\_\_\_

Observations / Comments: Very slow recharge, pumped dry after 10 gallons, have bailed the rest

### Quality Assurance

Sampling Method: D.D. to pump; Teflon  
Method to Measure Water Level: Solinst

Pump Lines: New / Cleaned Bailer Lines: New / Cleaned

Method of cleaning Pump / Bailer Alconox, Tap, DI

pH Meter No.: 0230928 Calibrated 7-25-89

Specific Conductance Meter No.: 14803 Calibrated red lined

Comments:  
 $38.50 + .36 - 27.20 = 11.6 \times .653 = 7.6 \times 5 = 37.8 \text{ gal/50}$

### Sampling Measurements

Water Level (below MP) at Start: 27.20 End: 38.70

Measuring Point (MP): \_\_\_\_\_

Time	Discharge (gallons)	pH	Temp (°C)	Specific Conductance (µmhos / cm)	Turbidity	Color	Odor	Comments
14:58	~10	7.22	21.0	1000	high	yellow		sed. ment
15:10	11	7.12	20	1000	"	"		
15:13	12	7.16	19	1000	med	grey		
15:18	13	7.28	19	910		tan		
<u>After Sampling</u>								
15:28		7.19	21	980				

Total Discharge 13 Casing Volumes Removed: \_\_\_\_\_

Method of disposal of discharged water: To well

Number and size of sample containers filled: \_\_\_\_\_

Collected by: JD/LG/JL

**Woodward-Clyde Consultants**  
 500 12th Street Suite 100 Oakland, CA 94607-4014  
 (415) 893 3600

Hazardous Material's Deposit Refund System

Edit Save Add new Delete Reset Previous Next Quit

Site #: 1876	StID#: 4392	LookUp-PAYOR #:64	Sitelst: 3154, 468,
Site Name: Alameda Electric		Paradiso Constrction Co	46, 2514,
Address: 2420 Blanding Ave		Address: 2600 Williams St P O Box 183	
City: Alameda	Zip: 94501	City: San Leandro	CA Zip: 94577
Contact:		Contact: Michelle Boscoe	
Phone #: 510/523-6933		Phone #: 510/649-3310	
		Code: 1	
Unauthorized Release? (y/n) Y		Receipt #'s: 604876	
Date Site Complete: 04/12/95		Type List:	
Payor Links: 64-a	R,		

PROJ#	DATE:	RCPT#:	CHECK #:	\$AMOUNT	Type: R,I,M	#TANKS	DATE DEP COMPLETE	INSP
1876A	04/08/92	604876	26421	681.00	R	2	4/12/95	CL

[ESC] Done      [F2] Clear field      [Shift-F2] Clear to end      [Shift-F10] More  
 Form: dep      Table: DEPOSIT      Field: INSPINIT      Page: 1      Changed