

REPORT OF FINDINGS  
UNDERGROUND STORAGE TANK REMOVAL

92 JUN 27 11:24

877D 6363

EXPRESS ELECTRIC  
1071 SAN PABLO AVENUE  
ALBANY, CALIFORNIA

PREPARED FOR:  
Mr. Clarence Miller  
Express Electric  
1071 San Pablo Avenue  
Albany, CA 94506

PREPARED BY:  
CONSOLIDATED TECHNOLOGIES  
1777 Saratoga Avenue, Suite 100  
San Jose, CA 95129

MAY, 1992

## TABLE OF CONTENTS

<u>Topic</u>	<u>Page</u>
Introduction	1
Executive Summary	2
Site Background/Tank History	3
Preparation For Tank Removal	3
Tank and Product Line Removal	3
Soil Sampling Protocol	4
Analytical Results	5
Findings and Recommendations	7
Limitations	8

### Figures

- Figure 1 - Site Location Map
- Figure 2 - Site Detail Map
- Figure 3 - Soil Sampling Location Map

### Appendices

- Appendix A - Tank Removal Permits
- Appendix B - Hazardous Waste Manifest/Certificate of Disposal
- Appendix C - Laboratory Report/Chain of Custody

Mr. Clarence Miller  
Express Electric  
1071 San Pablo Avenue  
Albany, CA 94506

EPA #CAC000690296  
May 29, 1992

**Subject: Removal of Underground Storage Tank**  
Express Electric  
1071 San Pablo Avenue  
Albany, CA 94506

Dear Mr. Miller,

On May 6, 1992, **CONSOLIDATED TECHNOLOGIES** removed one underground storage tank from the subject property. The scope of our work included: Submitting the tank removal permits as required by the California Water Resources Control Board and Alameda County; removing the underground storage tank and associated product line; collecting appropriate water and soil samples and providing for their analyses; and properly disposing of the removed storage tank and associated product line.


This Report of Findings summarizes the background of the site, history of the tank, results of the visual inspection of the tank and product lines, subsurface sampling methods, analytical results of the collected samples, and our findings and recommendations.

Copies of this report should be sent to:

- Alameda County Health Agency  
Division of Hazardous Materials  
Department of Environmental Health  
80 Swan Way, Room 200  
Attn: Hazardous Materials Specialist Susan Hugo
- California Regional Water Quality Control Board  
2101 Webster Street, Suite 500  
Oakland, CA 94612

Should you have any questions regarding this project or need additional information, please feel free to contact us at (408) 725-0151 at your convenience. **CONSOLIDATED TECHNOLOGIES** is pleased to be of service to you on this project.

Respectfully,

  
Jack Forsythe  
Geologist

## **EXECUTIVE SUMMARY**

On May 6, 1992, **CONSOLIDATED TECHNOLOGIES** removed a 2000-gallon, steel, single-walled, underground, gasoline storage tank from the subject property located at 1071 San Pablo Avenue, Albany, California. The tank pit excavation was approximately ten feet long by eight feet wide, with the base of the tank resting at a depth of eight feet below surface grade. The walls of the pit generally were composed of humus and silty clays. Product odor and staining were not noted in the excavated soils or tank pit. Groundwater was encountered, at approximately ten feet below surface grade.

Visual inspection of the removed tank did not indicate signs of rupture, puncture, cracking or leakage. Slight rust scaling was noted on the product lines, but no through-going holes were noted.

After the tank was removed, six soil samples and one groundwater sample were collected and submitted to a State-certified laboratory. Two soil samples were collected from native soils located approximately 1-1/2 feet below the floor of the tank removal pit; these samples were collected beneath the former locations of the tank end-walls. Four soil samples were collected from the excavated soils stockpile, and subsequently composited at the laboratory into one composite sample. The groundwater sample was collected from a small pool that formed on the floor of the tank removal pit.

The samples were analyzed for detection of Total Petroleum Hydrocarbons as gasoline (TPHg), and Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX). One of the two pit-floor soil samples also was analyzed for detection of Lead.

Analytical results indicated that the collected samples did not contain detectable concentrations of TPHg or BTEX constituents, with the exception of the soil stockpile composite sample, which contained Total Xylenes at a concentration of 17 ppb (parts per billion). Lead was detected in the pit-floor soil sample, at a concentration of 6.6 ppm (parts per million).

**CONSOLIDATED TECHNOLOGIES** does not expect that additional environmental work will be required at the site. The site should meet regulatory criteria for closure as a UST site.

## **SITE BACKGROUND/TANK HISTORY**

The subject site, located at 1071 San Pablo Avenue, Albany, California, currently is an electrical service facility. The site is bounded by commercial businesses to the north and south, a residential area to the east, and San Pablo Avenue to the west. The site location is shown in Figure 1, Site Location Map. A general layout of the site is given by Figure 2, Site Characterization Map.

The date the tank was installed is unknown; the date of last usage also is unknown. The tank apparently was used for gasoline storage. Prior to removal, the tank was estimated to be a 2000-gallon capacity, steel, single-walled tank; upon removal, this was confirmed. Sand apparently was used as back-fill material when the tank was installed. The dispenser was located immediately north of the tank.

## **PREPARATION FOR TANK REMOVAL**

Prior to excavation of soils from above the underground storage tanks, the surficial concrete pad located above the tank was removed. Soils were then excavated from above and along the sides of the tank in order to expose the top and walls of the tank. Senior Hazardous Materials Specialist Susan Hugo of the Alameda County Health Agency was on site to witness the removal of the tank and to supervise the collection of soil samples.

The walls of the tank pit were comprised of a layered sequence of native and non-native materials. From surface grade to approximately one foot below surface grade (bsg), the six-inch thick concrete pad and underlying fill material was encountered. From approximately one foot bsg to two feet bsg, a brownish-black humus layer was encountered. From approximately two feet bsg to eight feet bsg, dark-brown silty clay was encountered.

The top of the tank was encountered at a depth of approximately two feet bsg. The tank pit was enlarged to approximately ten feet long by eight feet wide, with the base of the tank resting at eight feet bsg. Approximately 14 cubic yards of subsurface material was removed from the excavated pit. Product odor or staining were not noted in the excavated soils or tank pit.

## **TANK AND PRODUCT LINE REMOVAL**

Before the tank was removed, dry ice (CO<sub>2</sub>) was inserted into the tank in order to inert any residual volatiles remaining in the tank. After the tank was allowed to devolatilize for a

sufficient amount of time, a probe attached to a GasTech Model 1314 Explosimeter was placed inside the tank to measure the lower explosive limit (LEL) and oxygen level (OL). According to safety guidelines, both the LEL and the OL must be below ten percent (10%) in order for the tanks to be safely removed and transported. Readings below this level were measured; consequently the tank was prepared for removal. The tank was removed by attaching a heavy-duty steel chain to the pick points on the tank and attaching this assembly to the bucket of a back-hoe. The back-hoe then lifted the tank from the pit and placed it in a staging area for inspection.

Visual inspection of the tank did not indicate any signs of rupture, puncture, cracking, or leakage. Slight rust scaling and some pits were noted. The product line also appeared to be intact, exhibiting only a minor amount of rust scaling.

After visual inspection of the tank was completed, the tank and product line were loaded onto an Erickson, Inc. transport truck (EPA #CAD009466392) and taken to the Erickson facility located at 255 Parr Blvd., Richmond, California. Copies of the Hazardous Waste Manifest and Certificate of Disposal are included in Appendix B.

#### **SOIL SAMPLING PROTOCOL**

Supervised by Hazardous Materials Specialist Susan Hugo, two soil samples were collected from the floor of the tank removal pit, and four soil samples were collected from the excavated soils stockpile. A groundwater sample was collected from a small pool of groundwater that occurred on the floor of the tank removal pit. Locations where samples were collected are indicated in Figure 3, Sampling Location Map.

Soil samples 2K-E and 2K-W were collected from native soils located approximately 18 inches below the floor of the tank removal pit (9-1/2 feet total depth), beneath the former location of the tank's eastern and western end-walls, respectively.

Soil samples EESP-1, EESP-2, EESP-3, and EESP-4 were collected at random locations from the excavated soils stockpile. The stockpile samples subsequently were composited at the analytical laboratory into one composite sample (EESP-1,2,3,4\*).

The "grab sample" method was used to collect each soil sample. With this technique, a clean 2-inch outside diameter, 6-inch long brass sampling tube was hand-driven into the soils. Samples of soils from the floor of the tank removal pit were collected from excavated soils in the bucket of the back-hoe. Care was taken in

recovering the sample at locations away from the walls of the bucket in order to reduce the possibility of contamination from the bucket. Upon recovery of each soil sample, the ends of the brass tube were sealed with aluminum foil, capped with plastic end-caps, secured with aluminized tape, and properly labeled. The label information included the date, identification number of the sample, project name, and the name of the person that collected the sample. Under proper Chain of Custody procedures, the samples were placed on ice inside a thermally-insulated cooler for subsequent transport to a State-certified analytical laboratory. A copy of the Chain of Custody form, which includes the time of sampling and analyses requested, is included in Appendix C.

Groundwater was encountered, at approximately ten feet bsg, during collection of soil sample 2K-E. A groundwater sample (W-1) was collected by lowering a clean, 1-3/4 inch diameter, transparent acrylic, well bailer into a small pool of exposed groundwater and allowing the bailer to fill. The bailer then was extracted, and the water contained within the bailer was slowly poured into sample collection bottles. After each bottle was filled, it was capped with a teflon-lined screw cap, then inverted to verify that air bubbles were not present. The containers were then properly labeled and placed on ice inside a thermally-insulated cooler.

The water sample and soil samples were submitted to Chromalab, Inc., of San Ramon, California (State-certification #E694). Each sample was analyzed for detection of Total Petroleum Hydrocarbons as gasoline (TPHg) using EPA Method 5030/8015; and Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) using EPA Methods 8020 for soil analysis and 602 for water analysis. Additionally, soil sample 2K-W was analyzed for detection of Lead using EPA Method 3050/7420.

#### **ANALYTICAL RESULTS**

The analytical results are presented in Table 1. The detection limit for each parameter is included in the table. A copy of the laboratory report is included in Appendix C.

Analytical results indicated that the water sample and soil samples did not contain detectable concentrations of TPHg or BTEX constituents, with the exception of the soil stockpile composite sample: Sample EESP-1,2,3,4\* contained Total Xylenes at a concentration of 17 ppb (parts per billion). Lead was detected in soil sample 2K-W at a concentration of 6.6 ppm (parts per million).

Sample Number	TPHg (ppm)	Lead (ppm)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)
---------------	------------	------------	---------------	---------------	---------------------	---------------------

Soil Samples

2K-E	ND	--	ND	ND	ND	ND
2K-W	ND	6.6	ND	ND	ND	ND
EESP-1,2,3,4*	ND	4.2	ND	ND	ND	ND

DETECTION

LIMIT:	1.0	2.5	5.0	5.0	5.0	5.0
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METHOD OF ANALYSIS:

5030/	3050/	8020	8020	8020	8020
8015	7420				

Sample Number	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)
---------------	------------	---------------	---------------	---------------------	---------------------

Water Sample

W-1	ND	ND	ND	ND	ND
-----	----	----	----	----	----

DETECTION

LIMIT:	50	0.5	0.5	0.5	0.5
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METHOD OF ANALYSIS:

5030/	8020	8020	8020	8020
8015				

ND = Not Detected

-- = Not Analyzed

ppm = parts per million (mg/kg or mg/l)

ppb = parts per billion (ug/kg or ug/l)

Table 1: Soil and Groundwater Analysis - TPHg, Lead, and BTEX constituents



## **FINDINGS AND RECOMMENDATIONS**

### **Findings**

Regarding removal of the underground storage tank, the following is a summary of our findings:

- Product odor or staining were not present in the excavated soils or tank pit.
- Visual inspection of the removed tank indicated no signs of rupture, puncture, cracking, or leakage.
- Groundwater was encountered, at approximately ten feet below surface grade.
- The groundwater sample did not contain detectable concentrations of TPHg or BTEX constituents.
- The soil samples did not contain detectable concentrations of TPHg or BTEX constituents, with the exception of the soil stockpile composite sample, which contained Total Xylenes at a concentration of 17 ppb.
- Lead was detected, at a concentration of 6.6 ppm, in the pit-floor soil sample which was analyzed for detection of Lead.

A layered sequence of subsurface materials formed the walls of the tank removal pit:

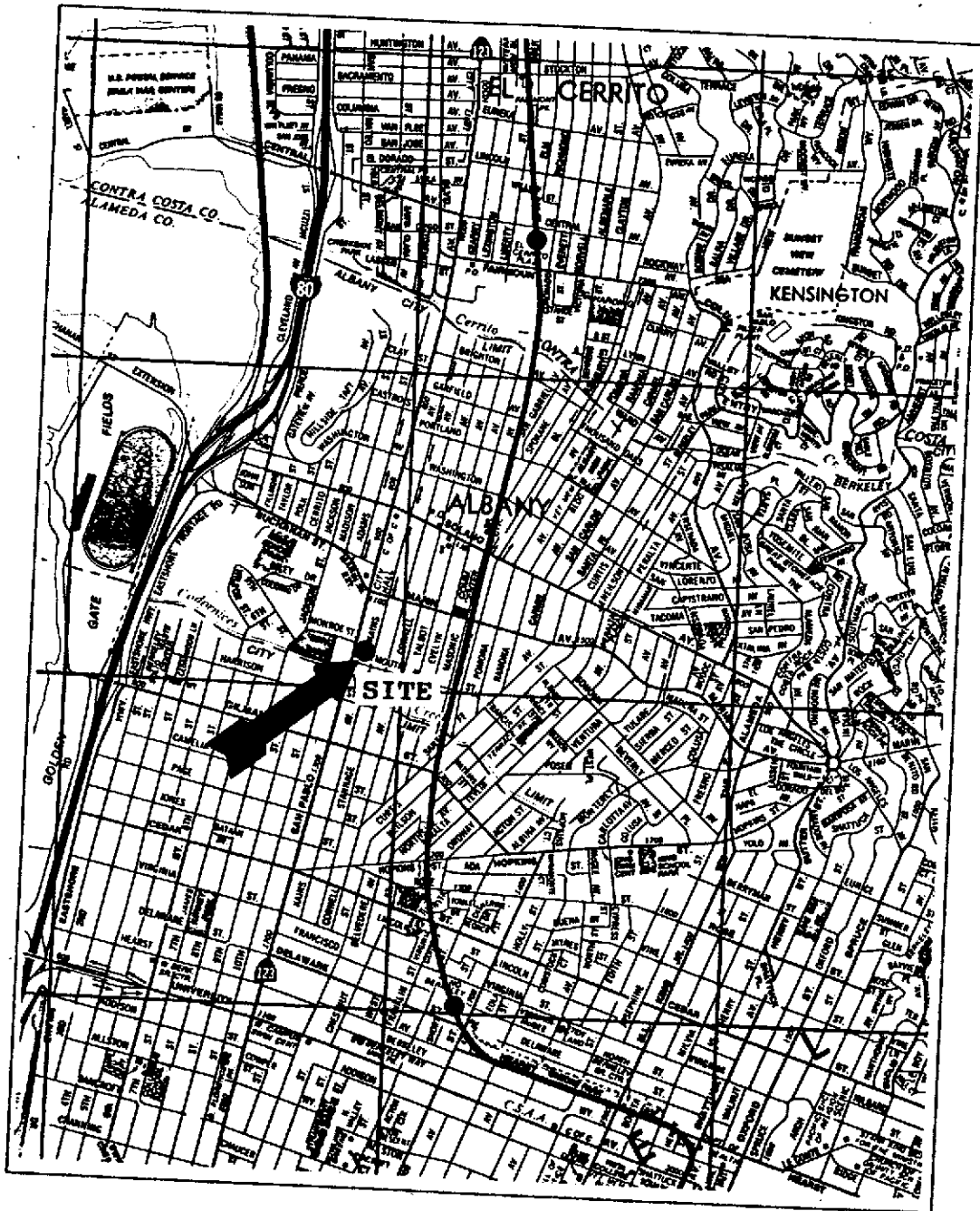
- Concrete and engineered fill occurred from surface grade to approximately one foot bsg.
- From one foot bsg to approximately two feet bsg, a brownish-black humus layer was encountered. From two feet bsg to approximately eight feet bsg, dark-brown silty clay was encountered.

### **Recommendations**

Based on the above findings, **CONSOLIDATED TECHNOLOGIES** does not expect that additional environmental work will be required at the site. The site should meet regulatory criteria for closure as a UST site.

## **LIMITATIONS**

The conclusions and professional guidelines presented herein were developed in accordance with generally accepted practice for addressing fuel leaks from underground storage tanks as outlined in the guidelines from the California Water Quality Control Board. Because the analytical results are based on data collected from the sampling locations only, **CONSOLIDATED TECHNOLOGIES** cannot have full knowledge of the underlying conditions at the site. Conditions at the project site may change with time due to the works of man and/or acts of nature. Accordingly, the findings of this report may be subject to change in light of new information.



scale: 1 inch = 0.6 miles

SITE LOCATION MAP

Figure 1

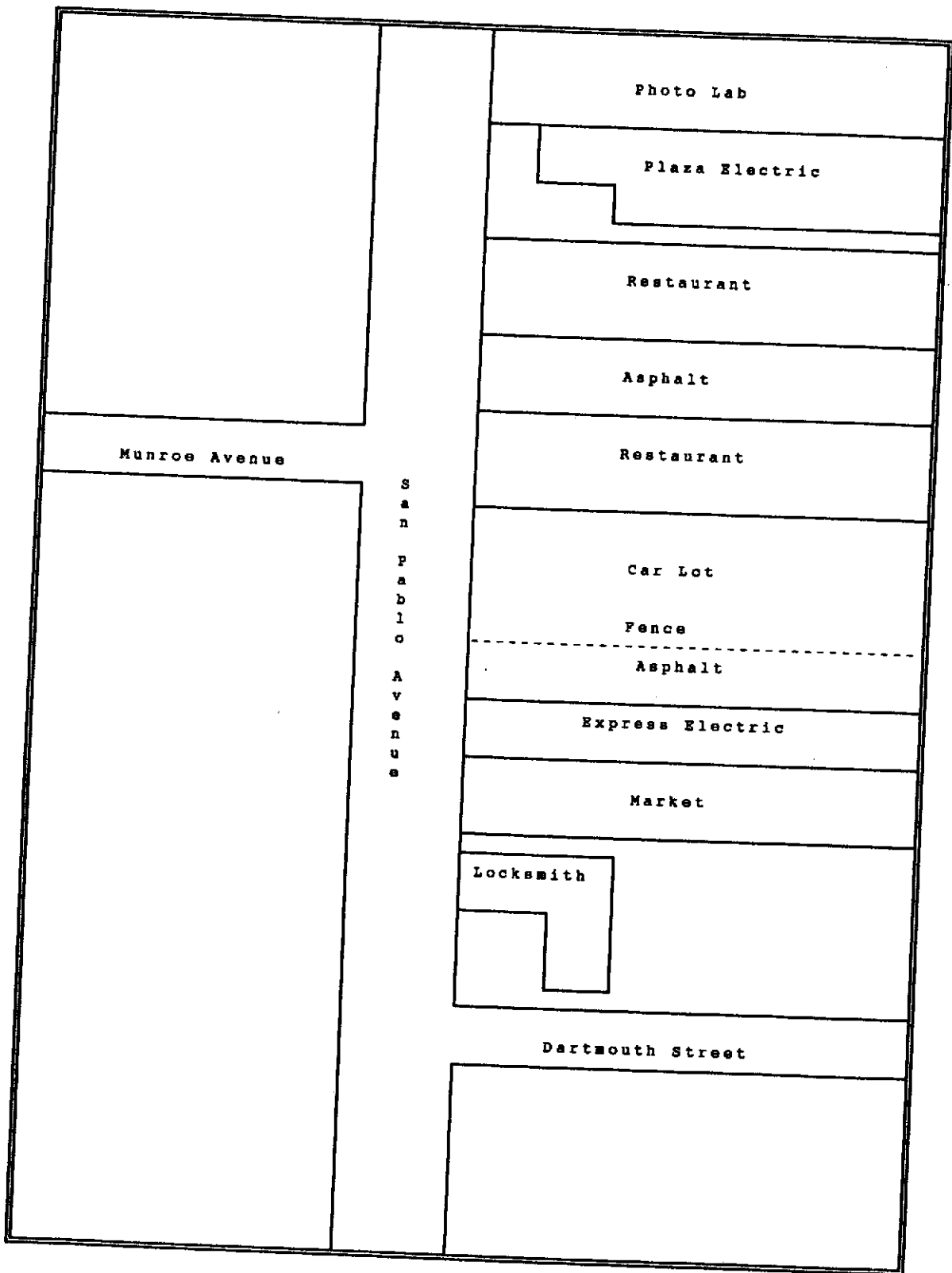


Figure 2: Site Characterization Map  
 Scale: 1 inch = approximately 80 feet

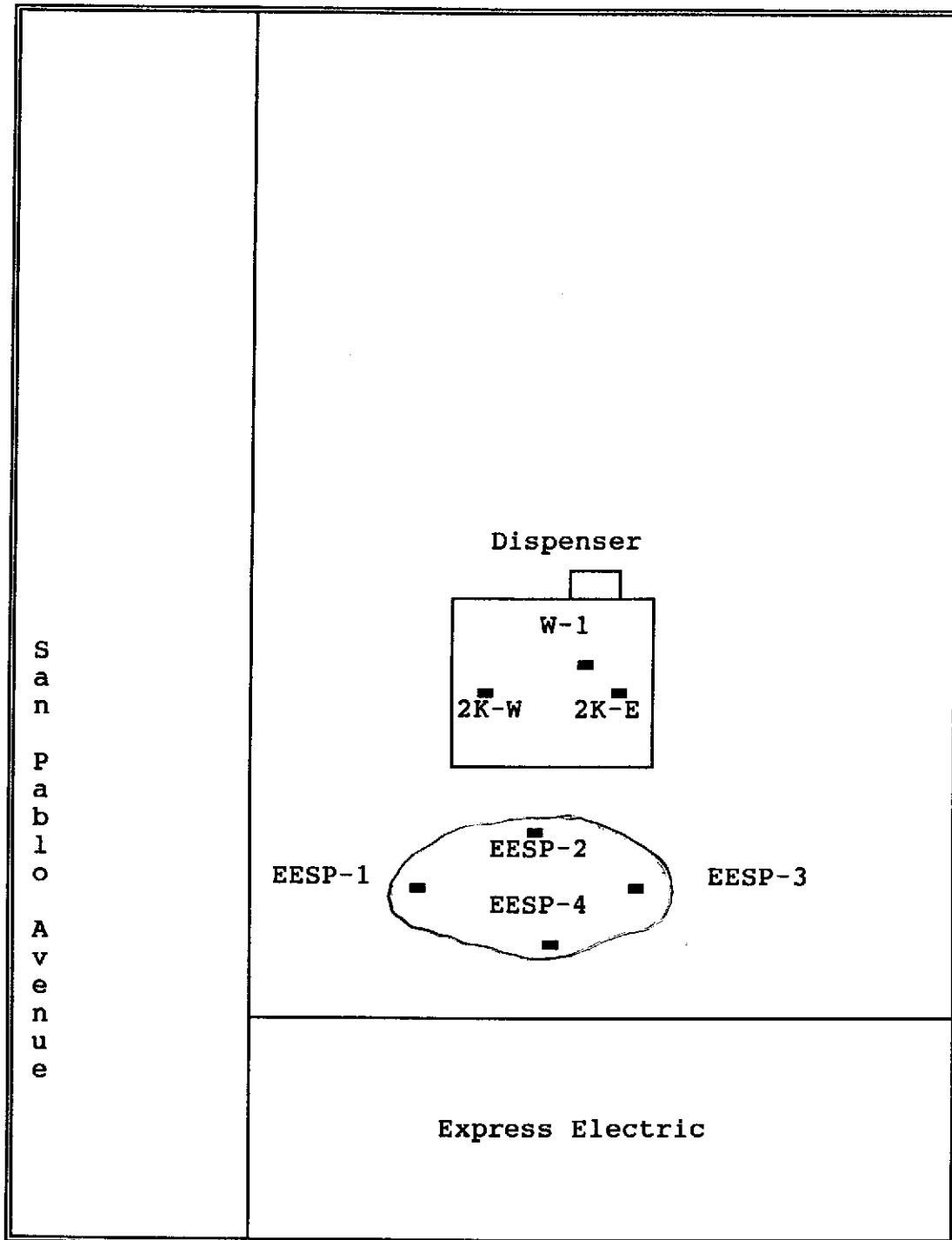


Figure 3: Sampling Location Map

1 inch = approximately 10 feet

**APPENDIX A**  
**TANK REMOVAL PERMITS**



# BAY AREA AIR QUALITY MANAGEMENT DISTRICT

839 ELLIS STREET  
SAN FRANCISCO, CALIFORNIA 94109  
(415) 771-6000

REGULATION 8, RULE 40  
Aeration of Contaminated Soil and  
Removal of Underground Storage Tanks *By...*

## NOTIFICATION FORM

Removal or Replacement of Tanks  
 Excavation of Contaminated Soil

### SITE INFORMATION

SITE ADDRESS 1071 SAN PABLO AVE  
CITY, STATE ALBANY CA. ZIP 94706  
OWNER NAME CLARENCE MILLER % Express Electric  
SPECIFIC LOCATION OF PROJECT 1071 SAN PABLO AVE

#### TANK REMOVAL

#### CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE 5/6/92

SCHEDULED STARTUP DATE \_\_\_\_\_

VAPORS REMOVED BY:

STOCKPILES WILL BE COVERED? YES \_\_\_\_\_ NO \_\_\_\_\_

WATER WASH

ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):  
\_\_\_\_\_

VAPOR FREEING (CO<sup>2</sup>)

VENTILATION

(MAY REQUIRE PERMIT)

### CONTRACTOR INFORMATION

NAME H+H TOXIC REMOVAL CONTACT LEO HERRICK  
ADDRESS 2747 PEARTREE LN. PHONE ( ) \_\_\_\_\_  
CITY, STATE, ZIP SAN JOSE CA. 95121

### CONSULTANT INFORMATION

(IF APPLICABLE)

NAME CONSOLIDATED TECHNOLOGIES CONTACT DAVE HOBBS  
ADDRESS 1777 SARATOGA AVE #100 PHONE ( ) \_\_\_\_\_  
CITY, STATE, ZIP SAN JOSE CA 95129

### FOR OFFICE USE ONLY

DATE RECEIVED FAX 5/1/92 BY Bly (init.) \_\_\_\_\_

DATE POSTMARKED \_\_\_\_\_ BY \_\_\_\_\_ (init.) \_\_\_\_\_

CC: INSPECTOR NO. 375 DATE 5/4/92 BY Bly (init.) \_\_\_\_\_

UPDATE: CONTACT NAME \_\_\_\_\_ DATE \_\_\_\_\_ BY \_\_\_\_\_ (init.) \_\_\_\_\_

BAAQMD N # \_\_\_\_\_ DATA ENTRY 5/4/92 BY \_\_\_\_\_ (init.) \_\_\_\_\_

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

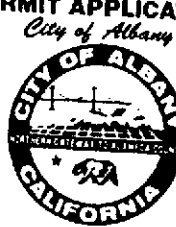
Project Specialist (print)

UNDERGROUND TANK CLOSURE PLAN

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

1. Business Name EXPRESS ELECTRIC  
Business Owner CLARENCE MILLER
2. Site Address 1071 SAN PABLO AVE.  
City ALBANY Zip 94506 Phone \_\_\_\_\_
3. Mailing Address ABOVE  
City \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_
4. Land Owner CLARENCE MILLER  
Address 1071 SAN PABLO <sup>ALBANY,</sup> City, State CA Zip 94506
5. Generator name under which tank will be manifested EXPRESS ELECTRIC  
EPA I.D. No. under which tank will be manifested CAC000690296





**FOR APPLICANT TO FILL IN**

**BUILDING PROJECT IDENTIFICATION**  
 Address of Building 1071 Santa Helena  
 Owner(s) Name CLARENCE MILLER  
 Telephone No. 524-2433  
 Contractor's Name 154 DALL  
 Contractor's Mailing Address 2542 ...  
 Ph. 973-7532 City Bus. Lic. ...  
 Architect and/or Engineer  
 Architect and/or Engineer's Address  
 Ph. \_\_\_\_\_ Lic. No. \_\_\_\_\_

**DESCRIPTION OF WORK**  
Removal of underground Storage Tank

**LICENSED CONTRACTORS DECLARATION**  
 I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.  
 License Class A - Husbandry Lic. Number 487245  
 Date 5/1/92 Contractor \_\_\_\_\_

**PLUMBING PERMIT**  
 CONTRACTOR \_\_\_\_\_  
 STATE LICENSE NO. AND CLASSIFICATION \_\_\_\_\_  
 FEE \$ \_\_\_\_\_

W.C.	LAV.	BATH	SHOWER	SINK	DISHWASHER	LAUNDRY T.	SLOP SIGN
CLOTHES WASHER	FLOOR SINK	URINAL	DRINKING FOUNTAIN	GAS SYSTEMS	OUTLETS	WATER MTR.	
WASTE INTERCEPTOR	WATER SPRING TREATING EQUIP.	SEWER	R/TILE PIPING SYSTEMS	SOLAR	PER 100 SQ. FT.		

**OWNER-BUILDER DECLARATION**  
 I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code): Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant and Contractor's License Law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any of not more than five hundred dollars (\$500).  
 I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure if not intended or offered for sale (Sec. 7044, Business and Professions Code), and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale.  
 I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code). The Contractor's License Law does not apply to an owner of property who builds or improves with a contractor(s) licensed pursuant to the Contractor's License Law. All such Construction must be done under Sec. \_\_\_\_\_, B. & P.C. for this reason \_\_\_\_\_  
 Signature of owner \_\_\_\_\_ Date \_\_\_\_\_

**ELECTRICAL PERMIT**  
 CONTRACTOR \_\_\_\_\_  
 STATE LICENSE NO. AND CLASSIFICATION \_\_\_\_\_  
 FEE \$ \_\_\_\_\_

SERVICE AMP.	CIRCUITS	OUTLETS	FIXTURES	SWITCHES	WATER MTR.	RANGE	DRYER
DISPOSAL	DISHWASHER	FANS	MOTORS	PER 100 SQ. FT.			

**WORKERS' COMPENSATION DECLARATION**  
 I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Labor Code).  
 Policy # \_\_\_\_\_ Company Name \_\_\_\_\_  
 Certified copy is hereby furnished.  
 Certified copy is filed with the city building inspection department.  
 Applicant \_\_\_\_\_ Date \_\_\_\_\_

**HEATING / COOLING PERMIT**  
 CONTRACTOR \_\_\_\_\_  
 STATE LICENSE NO. AND CLASSIFICATION \_\_\_\_\_  
 FEE \$ \_\_\_\_\_

FURN.	DUCT/PIPE	BOILER	COMP.	AIR COND.	OTHER	PER 100 SQ. FT.
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**CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE**  
 (This section need not be completed if the permit is for one hundred dollars (\$100) or less.)  
 I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.  
 Signature Clarence Miller Date 5/1/92

**LIST OF OTHER SUBCONTRACTORS**

Name	License Number	Classification
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____

**CONSTRUCTION LENDING AGENCY**  
 I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civil Code).  
 LENDERS NAME \_\_\_\_\_ ADDRESS \_\_\_\_\_

**DEPARTMENT USE ONLY**

Plans received by \_\_\_\_\_ Date 5-1-92  
 Value of Project \$ 5000  
 Permit Fee (Plus penalty if applicable) \$ 129.00  
 Plan Check Fee \$ \_\_\_\_\_  
 Special Inspection Deposit \$ \_\_\_\_\_  
 S.M.I.P. \$ \_\_\_\_\_  
 Other comp/perm \$ 1.00  
 Sewer Connection Fee \$ 1.35  
 Total \$ \_\_\_\_\_  
 Comments 134.39

DO NOT CONCEAL OR COVER ANY CONSTRUCTION UNTIL THE WORK IS INSPECTED AND THE INSPECTION IS RECORDED. ALL INSPECTION REQUESTS ARE REQUIRED 24 HOURS IN ADVANCE OF THE INSPECTION.  
 I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION GIVEN IS TRUE AND CORRECT. I AGREE TO COMPLY WITH ALL LOCAL ORDINANCES AND STATE LAWS RELATING TO BUILDING CONSTRUCTION AND I MAKE THIS STATEMENT UNDER PENALTY OF LAW. I HEREBY AUTHORIZE REPRESENTATIVES OF THIS CITY TO ENTER UPON THE ABOVE MENTIONED PROPERTY FOR INSPECTION PURPOSES. I AGREE TO SAVE, INDEMNIFY AND HOLD HARMLESS THE CITY OF ALBANY AGAINST ALL LIABILITIES, JUDGMENTS, COSTS AND EXPENSES WHICH MAY IN ANY WAY ACCRUE AGAINST SAID CITY AS A RESULT OF THE GRANTING OF THIS PERMIT.  
 Signature of Applicant or Agent Clarence Miller Date 5/1/92

**APPROVALS**

PLANNING \_\_\_\_\_  
 ENGINEERING BS  
 FIRE \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 PERMIT APPROVE \_\_\_\_\_  
 DATE 5-1-92

NOTE: When properly validated this form constitutes a Building Permit. This permit expires and becomes null and void should work not be commenced within 180 days from the date of approval, or should authorized construction be suspended or abandoned for a period of 180 days after work is commenced.

**APPENDIX B**

**HAZARDOUS WASTE MANIFESTS/CERTIFICATES OF DISPOSAL**

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

90648300  
IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-862-7560

### UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA D0009690296**  
Manifest Document No. **785117**  
CAC 000690296

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

3. Generator's Name and Mailing Address  
**Express Electric  
1071 San Pablo Ave.  
Albany, CA 94706**

A. State Manifest Document Number  
**90648300**

4. Generator's Phone **(510) 524-2438**

B. State Generator's ID  
C. State Transporter's ID **205169**  
D. Transporter's Phone **510-235-1393**

5. Transporter 1 Company Name  
**ERICKSON INC.**

E. State Transporter's ID  
F. Transporter's Phone

7. Transporter 2 Company Name  
8. US EPA ID Number  
9. Designated Facility Name and Site Address  
**Erickson, Inc.  
255 Parr Blvd.  
Richmond, Ca: 94801**

G. State Facility's ID  
**CA D0009466392**  
H. Facility's Phone  
**(510) 235-1393**

10. US EPA ID Number  
**CA D0009466392**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. Waste Empty Storage Tank				State 512
b. NON-RCRA Hazardous Waste Solids	0010M	2000	P	EPA/Other NONE
c.				State
d.				EPA/Other

J. Additional Descriptions for Materials Listed Above  
Qty: 1 Empty Storage Tank (s) # 8622  
Tank (s) have been inerted with 15 lbs. Dry Ice per 1000 Gal. Capacity:

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

15. Special Handling Instructions and Additional Information  
Keep away from sources of ignition: Always wear hardhats when working around U.S.T.'s 24 Hr: Contact Name CLARENCE MILLER & Phone 510-524-2438

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: CLARENCE MILLER Signature: Clarence Miller Month Day Year: 05/06/92

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name: Robert Haney Signature: Robert Haney Month Day Year: 05/06/92

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: Donald A. Larson Signature: Donald A. Larson Month Day Year: 05/06/92

Do Not Write Below This Line

# CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

CUSTOMER
CONSOLIDATED TR
JOB NO.
78517

FOR: Erickson, Inc. TANK NO. 8622

LOCATION: Richmond DATE: 05/08/92 TIME: 13:44:07

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT UG

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 2000 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%  
LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY."

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

## STANDARD SAFETY DESIGNATION

**SAFE FOR MEN:** Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

**SAFE FOR FIRE:** Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

[Signature]  
 REPRESENTATIVE \_\_\_\_\_ TITLE \_\_\_\_\_ INSPECTOR \_\_\_\_\_

**APPENDIX C**  
**LABORATORY REPORTS/CHAINS OF CUSTODY**

# CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

May 14, 1992

ChromaLab File No.: 0592066

CONSOLIDATED TECHNOLOGIES, INC.

Attn: Dave Hobbs

RE: Three soil and one water samples for Gas/BTEX analysis

Project Name: EXPRESS ELECTRIC

Project Location: 1071 San Pablo Ave., Albany, CA

Date Sampled: May 6, 1992

Date Submitted: May 7, 1992

Date Analyzed: May 13, 1992

## RESULTS:

Sample I.D.	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/kg)
2K-W	N.D.	N.D.	N.D.	N.D.	N.D.
2K-E	N.D.	N.D.	N.D.	N.D.	N.D.
EESP-1,2,3,4*	N.D.	N.D.	N.D.	N.D.	17
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKED RECOVERY	92%	100%	100%	100%	99%
DUPLICATE SPIKED REC.	----	95%	96%	92%	93%
DETECTION LIMIT	1.0	5.0	5.0	5.0	5.0
METHOD OF ANALYSIS	5030/8015	8020	8020	8020	8020

Sample I.D.	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylene (ug/L)
W-1	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
DETECTION LIMIT	50	0.5	0.5	0.5	0.5
METHOD OF ANALYSIS	5030/8015	602	602	602	602

\* Composite soil sample.

ChromaLab, Inc.

*Mary Cappelli*

Mary Cappelli  
Analytical Chemist

*Eric Tam*

Eric Tam  
Laboratory Director

# CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

May 14, 1992

ChromaLab File No.: 0592066

CONSOLIDATED TECHNOLOGIES, INC.

Attn: Dave Hobbs

RE: One soil sample for Lead analysis

Project Name: EXPRESS ELECTRIC

Project Location: 1071 San Pablo Ave., Albany

Date Sampled: May 6, 1992

Date Submitted: May 7, 1992

Date Extracted: May 12, 1992

Date Analyzed: May 13, 1992

RESULTS:

<u>Sample I.D.</u>	<u>Lead (mg/Kg)</u>
2K-W	6.6
BLANK	N.D.
SPIKED RECOVERY	88%
DUPLICATE SPIKED RECOVERY	96%
DETECTION LIMIT	2.5
METHOD OF ANALYSIS	3050/7420

ChromaLab, Inc.



Refaat A. Mankarious  
Inorganics Supervisor



Eric Tam  
Laboratory Director





**CHROMALAB, INC.**

5 DAYS TURNAROUND

Environmental Laboratory (1094)

May 14, 1992

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CONSOLIDATED TECHNOLOGIES, INC.

Attn: Dave Hobbs

RE: Three soil and one water samples for Gas/BTEX analysis

Project Name: EXPRESS ELECTRIC

Project Location: 1071 San Pablo Ave., Albany, CA

Date Sampled: May 6, 1992

Date Submitted: May 7, 1992

Date Analyzed: May 13, 1992

**RESULTS:**

Sample I.D.	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylene (ug/kg)
2K-W	N.D.	N.D.	N.D.	N.D.	N.D.
2K-E	N.D.	N.D.	N.D.	N.D.	N.D.
EESP-1,2,3,4*	N.D.	N.D.	N.D.	N.D.	17
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKED RECOVERY	92%	100%	100%	100%	99%
DUPLICATE SPIKED REC.	---	95%	96%	92%	93%
DETECTION LIMIT	1.0	5.0	5.0	5.0	5.0
METHOD OF ANALYSIS	5030/8015	8020	8020	8020	8020

Sample I.D.	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylene (ug/L)
W-1	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
DETECTION LIMIT	50	0.5	0.5	0.5	0.5
METHOD OF ANALYSIS	5030/8015	602	602	602	602

\* Composite soil sample.

ChromaLab, Inc.

*Mary Cappelli*Mary Cappelli  
Analytical ChemistEric Tam  
Laboratory Director

**CHROMALAB, INC.**

5 DAYS TURNAROUND

Environmental Laboratory (1094)

May 14, 1992

ChromaLab File No.: 0592066

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DETECTION LIMIT	2.5
METHOD OF ANALYSIS	3050/7420

ChromaLab, Inc.



Refaat A. Mankarious  
 Inorganics Supervisor



Eric Tam  
 Laboratory Director

# CHAIN OF CUSTODY RECORD

PROJECT NO.		SITE NAME & ADDRESS				ANALYSES REQUESTED (1)							REMARKS
		EXPRESS ELECTRIC, 1071 SAN PABLO AVE., BERKELEY, CA.				TPH (Gasoline) & B, T, X & E	TPH (Diesel) & B, T, X & E	Total Oil & Grease	Halogenated HCs	B, T, X & E	Heavy Metals	TOTAL LEAD	
WITNESSING AGENCY / INSPECTOR NAME / DATE													
ALAMEDA COUNTY HEALTH AGENCY / SPECIALIST HUGO / 5-6-92													
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION								
ZK-W	5/6	3:05	X		FLOOR OF UST PIT	X						X	per Dave Hobbs 5/8 9:17 ← run <sup>one</sup> only for lead
ZK-E	5/6	3:10	X		" " " "	X						X	
W-1	5/6	4:15		X	" " " "	X						X	(5) 40ml vials
EESP-1	5/6	3:15	X		STOCKPILE } COMPOSITE								HOLD LEAD UNTIL NOTIFIED.
EESP-2	5/6	3:20	X			X							
EESP-3	5/6	3:25	X										
EESP-4	5/6	3:30	X										
Relinquished by: (Signature)					Date/Time	Received by: (Signature)					The following MUST BE completed by the laboratory accepting samples for analysis: 1. Have all samples received for analysis been stored in ice? 2. Will samples remain refrigerated until analyzed? 3. Did any samples received for analysis have head space? 4. Were samples in appropriate containers and properly packaged?		
Relinquished by: (Signature)					Date/Time	Received by: (Signature)							
Relinquished by: (Signature)					Date/Time	Received by: (Signature)							
Relinquished by: (Signature)					Date/Time	Rec'd for Laboratory by: (Signature)							
						Signature					Title	Date	

(1) See attached "Table 2" for specific analysis method.

P.7.7

MAY 18 '92 14:54 HELP