

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

Alameda County
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

REMEDIAL ACTION COMPLETION CERTIFICATION

May 31, 1996

County of Alameda
General Services Agency
1401 Lakeside Dr. 11th Flr.
Oakland, CA 94612
ATTN: Rod Freitag

UNDERGROUND STORAGE TANK (UST) CASE
Re: Memorial Park, 1325 Portland Ave., Albany, California
Site No. 4463

Dear Mr. Freitag,

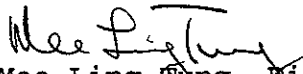
This letter confirms the completion of site investigation and remedial action for the 1,500-gallon diesel underground storage tank formerly located at the above described location. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721(e).

Please telephone Juliet Shin at (510) 567-6700 if you have any questions regarding this matter.

Sincerely,


Mee Ling Tung, Director

c: Acting Chief, Hazardous Materials Division - files
Juliet Shin, ACDEH
Kevin Graves, RWQCB
Lori Casias, SWRCB

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 4/23/96

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy.
City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
Responsible staff person: Juliet Shin Title: Senior HMS

II. CASE INFORMATION

Site facility name: Memorial Park
Site facility address: 1325 Portland Ave., Albany, CA
RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 4463
URF filing date: 4/23/96 SWEEPS No: N/A

Responsible Parties: Addresses: Phone Numbers:

City of Albany 1000 San Pablo Ave. (510) 528-5768
Contact: Bill Ekern Albany, CA 94706

County of Alameda 1401 Lakeside Dr. 11th Flr (510) 208-9522
General Services Agency Oakland, CA 94612
Contact: Rod Freitag

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	1,500	diesel (heating oil)	removed	6/23/93

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: The tank leaked based on the great number of holes identified in the UST at the time of its removal.

Site characterization complete? YES

Date approved by oversight agency: 4/23/96

Monitoring Wells installed? No Number:

Proper screened interval? Not Applicable

Highest GW depth below ground surface: Lowest depth:

Flow direction:

Most sensitive current use: Child care center

Leaking Underground Fuel Storage Tank Program

Are drinking water wells affected? NO Aquifer name: Unknown

Is surface water affected? NO Nearest affected SW name: None

Off-site beneficial use impacts (addresses/locations): None

Report(s) on file? YES Where is report(s) filed? Alameda County
 1131 Harbor Bay Pkwy.
 Alameda, CA 94502

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank	1,500-gallon	Erickson, Inc. 255 Parr Blvd. Richmond, CA 94801	6/23/93
Soil	481.77 tons	REMCO Recycling Center Richmond	6/24/93 thru 7/1/93
product@	425 gallons	Evergreen Oil, Inc. 6880 Smith Ave. Newark, CA 94560	6/28/93
product/ rinsate*	1620 gallons	Refineries Services 13331 N Hwy 33 Patterson, CA 95363	6/23/93

*Resulting from pumping of tank

@Resulting from pumping of product lines

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued)
 Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before ¹	After
TPH (Gas)	NA		NA	
TPH (Diesel)	590		320	
Benzene	ND		ND	
Toluene	0.005		ND	
Xylene	0.056		ND	
Ethylbenzene	0.008		ND	

¹ "grab" groundwater sample collected from tank pit

Leaking Underground Fuel Storage Tank Program

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Undetermined

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Undetermined

Does corrective action protect public health for current land use? YES

Site management requirements: NA

Should corrective action be reviewed if land use changes? NO

Monitoring wells Decommissioned: Not applicable

Number Decommissioned:

Number Retained:

List enforcement actions taken: None

List enforcement actions rescinded:

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Juliet Shin

Signature: 

Title: Senior HMS

Date: 5/17/96

Reviewed by

Name: Eva Chu

Signature: 

Title: Hazardous Materials Specialist

Date: 5/17/96

Name: Tom Peacock

Signature: 

Title: HMS Supervisor

Date: 5-17-96

VI. RWQCB NOTIFICATION

Date Submitted to RB:

RB Response: 

RWQCB Staff Name: Kevin Graves

Title: San. Engineering Asso. Date:

VII. ADDITIONAL COMMENTS, DATA, ETC.

On June 23, 1993, one 1,500-gallon diesel heating oil underground storage tank (UST) was removed from the site. Ten 2- to 3-inch holes and one large hole, a foot from the bottom, were noted in the UST. The dimensions of the tank pit on the day of the tank removal was approximately 8-feet wide by 11-feet long by 13-feet deep. A tar-like substance was noted along the east sidewall of the pit.

Four soil samples were collected from the tank pit: one at 20-feet below ground surface (bgs) from the bottom of the pit at the south end, one from

Leaking Underground Fuel Storage Tank Program

the northeast sidewall at 16.5-feet bgs, one from the south sidewall at 12-feet bgs; and one at the southeast sidewall at 12-feet bgs. Three soil samples were also collected from beneath the product lines: one at the product return at 13.5-feet bgs, and two at the product suction at 13- and 12-feet bgs (refer to attached figure). These samples were analyzed for TPH as diesel (TPHd) and benzene, toluene, ethylbenzene, and xylenes (BTEX). Up to 590 ppm TPHd, 0.005ppm toluene, 0.008ppm ethylbenzene, and 0.056 ppm xylenes were identified in the sidewall soil samples, and 14ppm TPHd was identified in the bottom soil sample. No benzene was identified in any of the soil samples (refer to attached analysis results).

On June 29, 1993, the piping into the building was flushed, rinsed, and then capped. Stained soil was observed in the area where the piping had connected to the tank. Excavation of the piping trenches and further excavation of the tank pit was conducted. Soil samples collected from the piping trench and confirmatory soil samples collected from the overexcavated tank pit did not contain TPHd or BTEX. Water was observed in the pit at approximately 20-feet bgs. It is unclear whether or not it was groundwater. One "grab" groundwater sample was collected from the pit and analyzed for TPHd and BTEX. TPHd was identified at 320ppb in this sample.

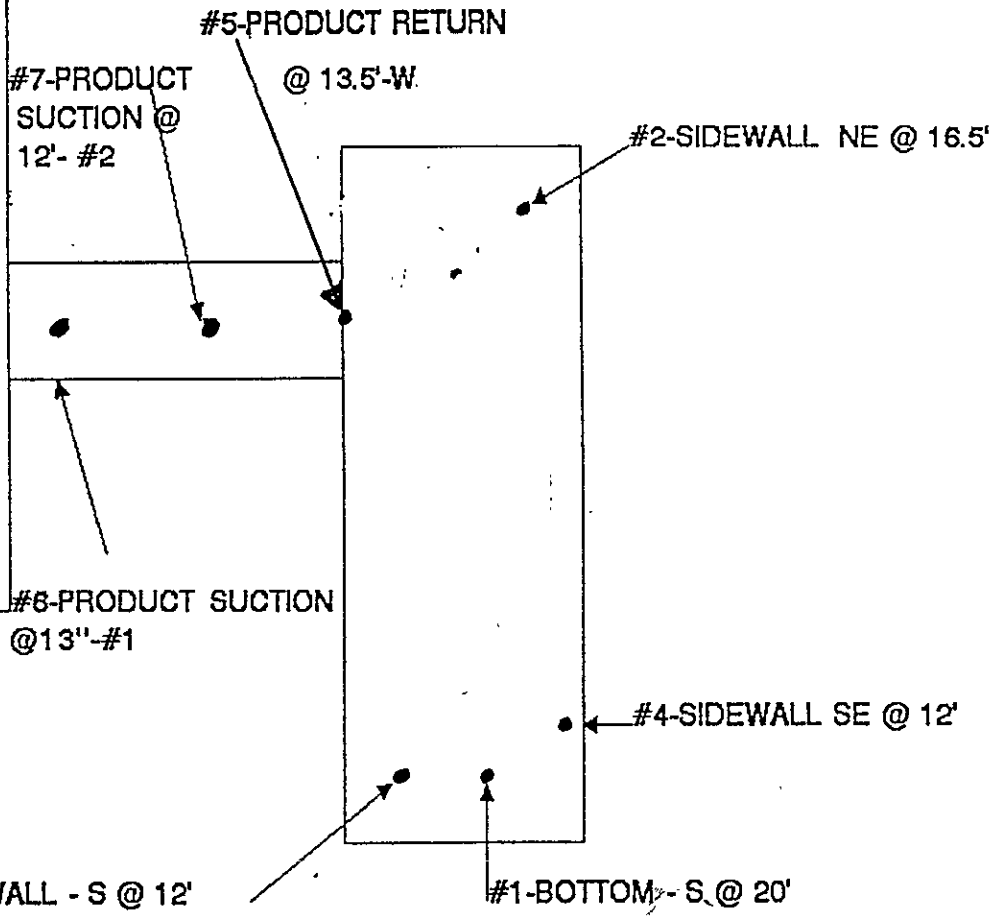
Overexcavation was completed on June 30, 1993. A total of 481.77 tons of soil, resulting from overexcavation of the piping trench and tank pit, was hauled off site. Serpentine bedrock was encountered at depths ranging from 16 to 20-feet in the tank excavation.

Per the above information, it appears that very low to Non Detect levels of soil contamination remain in the vadose zone at the site. Although one "grab" groundwater sample collected from the tank pit identified 320 ppb TPHd, no BTEX was identified. Additionally, based on this concentration of TPHd, the potentially available concentrations of Polynuclear Aromatic Hydrocarbons (PNAs) would most likely not exceed any human health risk levels. For example, the American Petroleum Institute has estimated potential concentrations of naphthalene in fresh diesel at 0.13 percent. Therefore, the worst-case groundwater concentration for naphthalene at the site would be 0.42 ppb, which does not exceed threshold levels given in ASTM's RBCA or the EPA's Proposed Remedial Goals (PRGs) for tap water. Therefore, this site appears to be ready for closure.

BASEBALL
DIAMOND

FENCE

ALBANY
VETERANS
HALL



CARMEL

PORTLAND AVENUE

SAMPLES TAKEN
6-23-93

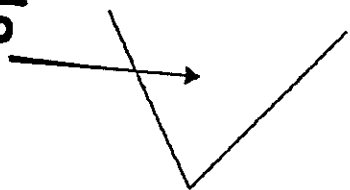


NOT TO SCALE

S E M C O

1325 PORTLAND AVE
ALBANY

SEWAGE
TRENCH



FENCE

SAMPLED 6-30-93

SAMPLED 6-29-93

#1-BOTTOM OF
TRENCH @ 17'

#2-NE-SIDEWALL @ 15'

WATER
1' DEEP

#1-H₂O @ 20'

BOTTOM SIDE OF
TRENCH @ 13'

#3-SE-SIDEWALL @ 15'

CARMEL

EXCAVATION APPROXIMATELY 20' X 30'

PORTLAND AVENUE

SEMCO

1325 PORTLAND AVE
ALBANY

NOT TO SCALE



Received

SEMCO
Attn: CHUCK KIPER

Project 1325 PORTLAND AVE. ALBANY
Reported 06/23/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
56668- 1	BOTTOM S-20'	06/23/93	06/23/93 Soil
56668- 2	SIDEWALL-NE-16.5'	06/23/93	06/23/93 Soil
56668- 3	SIDEWALL-5-12'	06/23/93	06/23/93 Soil
56668- 4	SIDEWALL-SE-12'	06/23/93	06/23/93 Soil
56668- 5	PROD RETURN-13.5-W	06/23/93	06/23/93 Soil
56668- 6	PROD. SUCTION-13'-#1	06/23/93	06/23/93 Soil
56668- 7	PROD. SUCTION-12'-#2	06/23/93	06/23/93 Soil

RESULTS OF ANALYSIS

Laboratory Number: 56668- 1 56668- 2 56668- 3 56668- 4 56668- 5

Heptane:	ND<.003	ND<.003	ND<.003	ND<.015	ND<.003
Octane:	ND<.003	.005	ND<.003	ND<.015	ND<.003
% Benzene:	ND<.003	.008	ND<.003	ND<.015	ND<.003
Mass:	ND<.009	.056	ND<.009	.051	ND<.009
Vol:	14	220	62	590	ND<10
Concentration:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg

Laboratory Number: 56668- 6 56668- 7

Heptane:	ND<.003	ND<.003
Octane:	ND<.003	ND<.003
% Benzene:	ND<.003	ND<.003
Mass:	ND<.009	ND<.009
Vol:	ND<10	ND<10
Concentration:	mg/kg	mg/kg

SEMCO

Attn: CHUCK KIPER

Project CITY OF ALBANY-93-3092
Reported 07/02/93

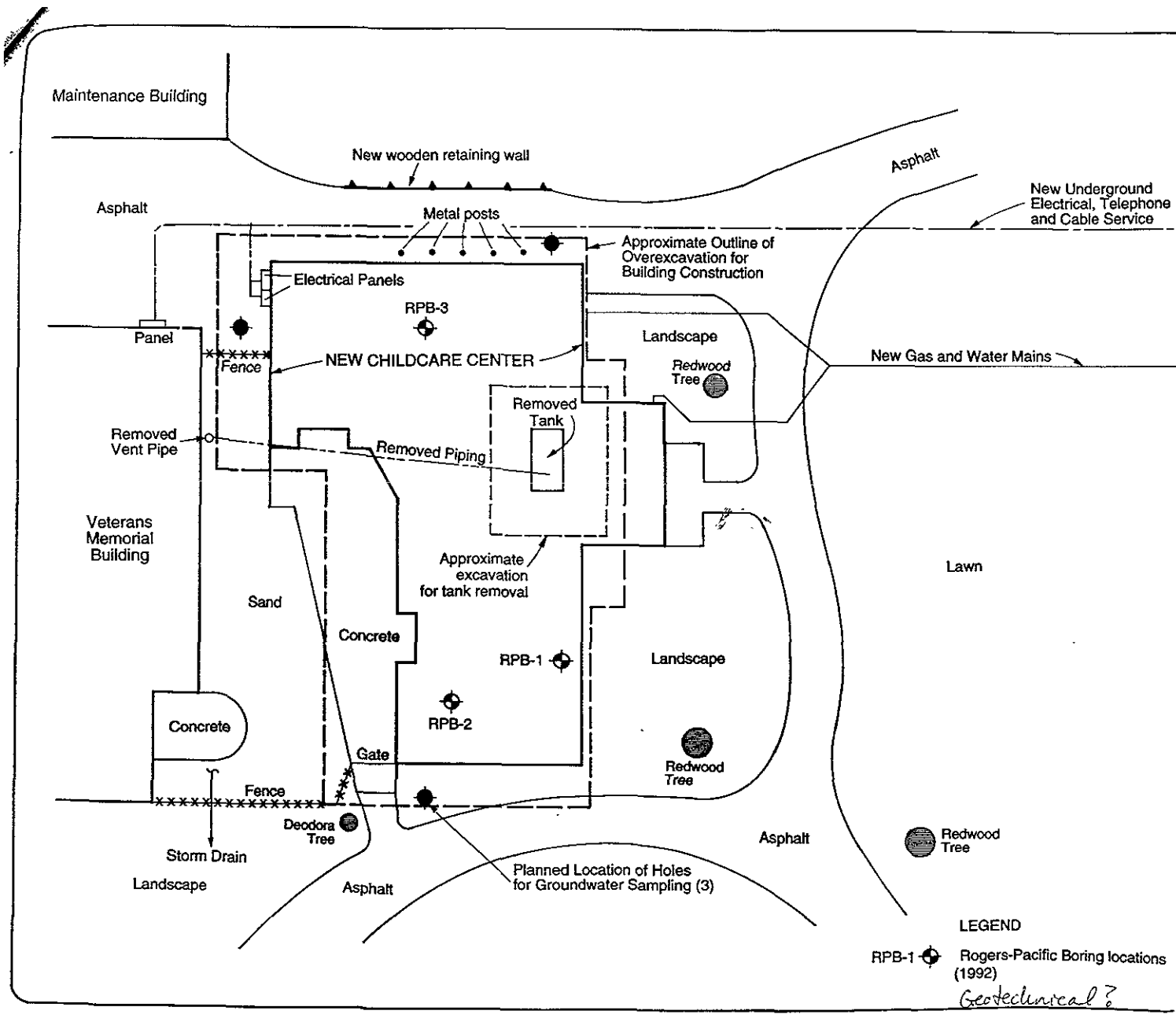
TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed Matrix
56694- 1	PIT H2O-20'	06/29/93	07/01/93 Water
56694- 2	NE-SIDEWALL-15'	06/29/93	07/01/93 Soil
56694- 3	SE-SIDEWALL-15'	06/29/93	07/01/93 Soil

RESULTS OF ANALYSIS

Laboratory Number: 56694- 1 56694- 2 56694- 3

Lead:	ND<0.3	ND<.003	ND<.003
Cadmium:	ND<0.3	ND<.003	ND<.003
Benzene:	ND<0.3	ND<.003	ND<.003
Chloride:	ND<0.9	ND<.009	ND<.009
Chloride:	320	ND<10	ND<10
Concentration:	mg/L	mg/kg	mg/kg



LEGEND

- RPB-1 [Symbol] Rogers-Pacific Boring locations (1992)

Geotechnical ?

SITE SAFETY PLAN
FOR
UNDERGROUND STORAGE TANK REMOVAL/CLOSURE

JOBSITE ADDRESS:

1325 PORTLAND AVENUE
ALBANY, CALIFORNIA

JAMES C. BATEMAN PETROLEUM SERVICES, INC.

"dba"
SEMCO
1741 LESLIE STREET
SAN MATEO, CALIFORNIA 94402

1217 S. 7TH STREET
MODESTO, CALIFORNIA 95351

TABLE OF CONTENTS

	PAGE NO.
TABLE OF CONTENTS.....	2
INTRODUCTION.....	3
1.0 SCOPE OF WORK.....	4
2.0 HAZARDS, SPECIAL PRECAUTIONS.....	5
3.0 JOBSITE VICINITY MAP.....	6
4.0 SITE MAP.....	7
5.0 PERSONNEL.....	8
6.0 EMERGENCY SERVICES.....	9
7.0 HOSPITAL ROUTE MAP.....	10
8.0 CONTINGENCY PLAN.....	11
9.0 SAFETY EQUIPMENT.....	12
10.0 SAFETY TRAINING.....	12
11.0 MEDICAL MONITORING.....	12
12.0 SIGNATURES & ACKNOWLEDGMENTS.....	13

SEMCO has adopted the following Health & Safety Plan and procedures for the removal and/or closure of underground petroleum storage tanks and associated piping. The purpose of this plan is to provide health and safety guidelines to be adhered to while all work is in progress.

All personnel involved with the tank removal or associated activities will have an assigned responsibility. The outlined responsibilities will establish standards for personnel protective wear and safety procedures, and will provide for emergency actions which could arise during project operations.

1.0 Scope of Work:

The tanks will be purged of all remaining residues, and these residues will be stored on site in a 55 gallon approved drum until they are hauled away or pumped out for disposal by a certified hazardous materials hauler.

The tanks will be inerted with a minimum of 20 lbs of dry ice per 1000 gallons of tank capacity. More ice will be added if necessary to displace the oxygen in the tank to a concentration level below the OSHA approved lower explosive limit, this will be achieved by using a Gastech 1314. When this level is obtained the tanks will be removed, and samples will be collected per the approved work plan.

1.1 Responsibilities of Other Agencies if Present:

- a. The Environmental Health Department is responsible for approval and inspection of procedures, including tank removal, sample procurement and integrity of work plan.
- b. The Fire Department is responsible for inspections relative to safe procedures and conditions of the tank prior to removal.

HAZARDS, SPECIAL PRECAUTIONS

2.0 Hazards, Special Precautions:

2.1 Special Precautions:

During the course of underground storage tank removal, workers could be exposed to petroleum hydrocarbon vapors, liquids, or other wastes. The following precautions will be observed by all individuals engaged in the tank removal activity.

2.1.1 Toxicity Considerations, Petroleum Substances:

All individuals should be aware of appropriate health precautions. When high concentrations of petroleum hydrocarbon vapors are inhaled, symptoms of intoxication may result. These symptoms range from simple dizziness to unconsciousness. Care will be exercised to minimize exposure to these substances when they are present. Avoid skin contact with petroleum substances whenever possible. Use soap and water to remove any petroleum product that contacts skin.

2.1.2 Flammability and Combustibility Consideration:

Flammable and combustible vapors are likely to be present in the work area. Precautions will be taken to eliminate all potential sources of ignition to prevent the discharge of static electricity during venting, and to prevent the accumulation of vapors.

2.1.3 Physical Considerations:

During the excavation of underground storage tanks, some physical hazards can be present in the form of large holes, exposed piping, debris piles, and excavation equipment. All workers will be aware of these hazards and take all necessary actions to eliminate accidents. The excavated area will be appropriately marked and barricaded at all times.

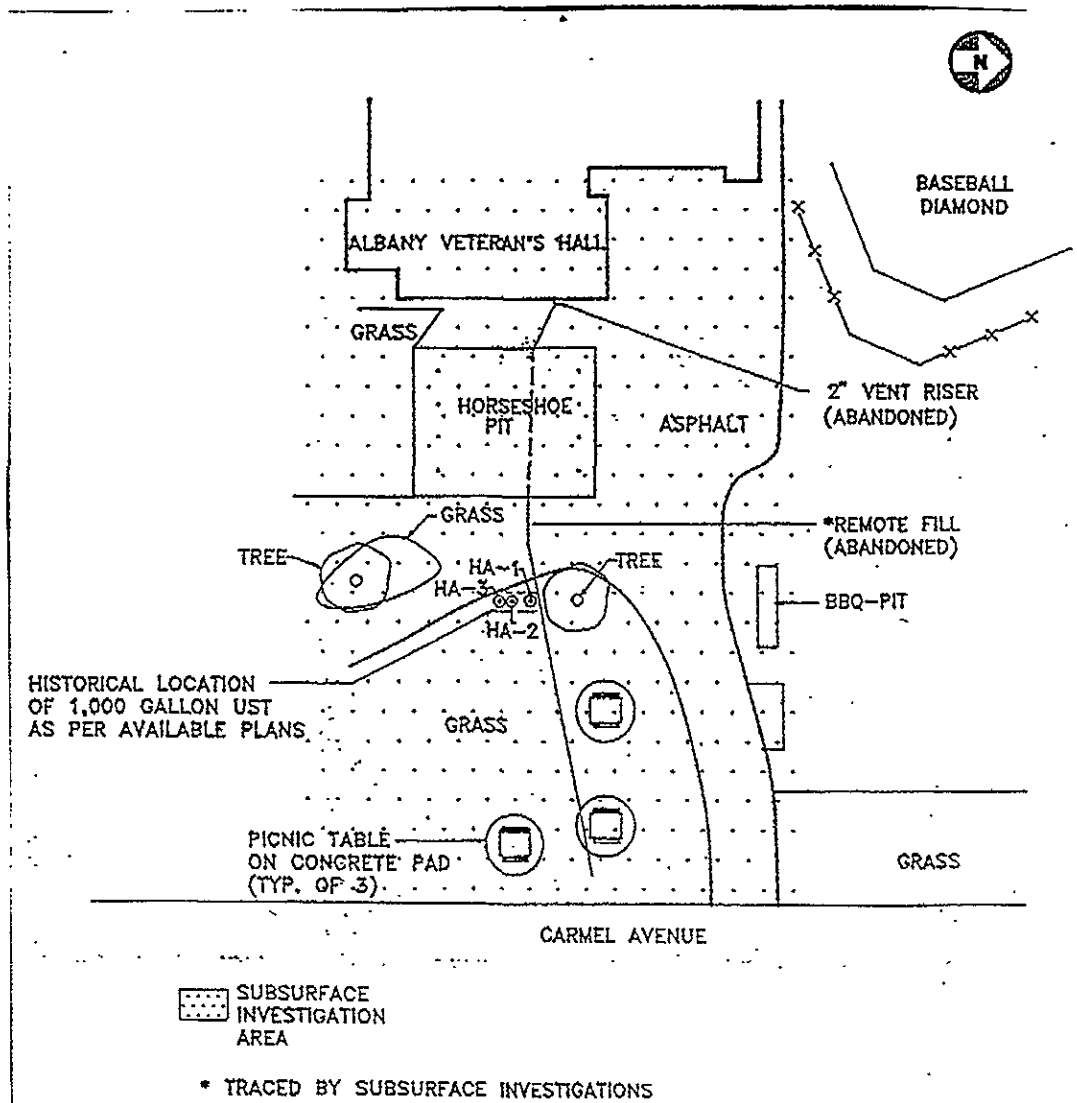
JOBSITE VICINITY MAP

3.0 Jobsite Vicinity Map



SITE MAP

4.0 Site Map



1325 Portland Avenue
Albany, California

PERSONNEL

5.0 Personnel
SEMCO Employees

5.1 Project Manager

- Manages field operations.
- Ensures the Work Plan is completed on schedule.
- Briefs the field teams on their specific assignments.
- Participates in the preparation of the Site Safety Plan.
- Serves as a liaison with public officials.

5.2 Site Safety Officer

- Implements and enforces the SSP.
- Assures that all on-site personnel have received a copy of the SSP, have read it and understand it.
- Conducts frequent inspections of site conditions, facilities, equipment, and activities to determine if the SSP is adequate and being followed.
- Conducts daily "tailgate" meetings to explain the plan of work for the day and to mention potential hazards of the site.
- Ensures that protective clothing and equipment are properly stored and maintained.
- Knows emergency procedures, excavation routes, and notifies local emergency services when necessary.
- Notifies the Health and Safety Manager of all accidents and injuries that occur on site.

5.3 On-Site Personnel:

- Are required to document their full understanding of the SSP before starting work by signing that they have read the SSP and understand it.
- Complies with the SSP.
- Notifies the SSO of unsafe conditions.
- On-Site employees are held responsible to perform only those tasks for which they believe they are qualified and in their opinion are safe.

LEVEL C: Safety Glasses or Goggles w/side shields
 Hard Hats
 Steel Toe Safety Shoes
 Half or Full Face Respirator with Organic
 Vapor Cartridge
 Tyvek or Ploy-Coated Tyvek

LEVEL D: Safety Glasses
 Steel Toe Shoes
 Hard Hats
 Uniform shirt/pants

EMERGENCY SERVICES

6.0 Emergency Services

6.1 Persons to contact in case of emergency:

- a: Project Manager
 Name: Chuck Kiper
 Phone: (415) 572-8033
 (415) 860-8221 Mobile
 (415) 377-8660 Pager
- b: Client Contact
 Name: Darryl Murray
 Phone: (510) 528-5767
- c: Site contact
 Name: Chuck Kiper
 Phone: (415) 860-8221
- d: Site Safety Officer
 Name: Chuck Kiper
 Phone: (415) 860-8221
- e: Alternate Site Safety Officer
 Name: Don Rosson
 Phone: (415) 572-8033
- f: Health and Safety Coordinator
 Name: Milton Tiffin
 Phone: (209) 524-9653

6.2 Hospitals in Area:
 Alta Bates Hospital
 3001 Colby Street
 Berkeley, California

Phone: (510) 540-0337

6.3 Emergency Routes
 See Hospital Route Map, Page 10

6.4 Ambulance Service:
 Dispatch Service DIAL 911

Fire Prevention
 City of Albany Fire
 (510) 528-5770

6.6 Fire Department
 DIAL 911

6.7 A First Aid Kit will be on site

6.8 Barricades:
 Job site will be barricaded off and construction tape will be used
 around working area, when work area is left unattended.

6.9 Fire Extinguishers will be present on site

HOSPITAL ROUTE MAP

7.0 Hospital Route Map



8.0 Contingency Plan:

If an injury occurs, the following action will be taken:

- Medical attention for the injured person immediately.
- Notify the Site Safety Officer.
- Depending on the type and severity of the injury, SEMCO's occupational physician will be notified.
- The injured person's personnel office will be notified.
- An incident report will be prepared. The Site Safety Officer will be responsible for its preparation and submittal to the Health and Safety Director and corporate personnel office within 24 hours.
- The Site Safety Officer will assume charge during a medical emergency.
- EMERGENCY ROUTES--see Hospital Route Map, Page 10

SAFETY EQUIPMENT

9.0 Safety Equipment:

9.1 As a minimum, the following equipment will be on site:

LEL Meter - Gastech 1314
OSHA - Approved First Aid Kit
40BC Fire Extinguisher
Half Face Respirator with Organic Vapor Cartridges

10.0 Safety Training

SEMCO'S field employees have received their certificates of training as required by OSHA-SARA agencies, with refresher courses as needed.

11.0 Medical Monitoring

SEMCO requires all Class I truck drivers to have a mandatory physical once a year. SEMCO supplies health insurance to all employees and administers random and mandatory drug and alcohol testing.

10.0 Signatures & Acknowledgments:

I acknowledge having read and understand the preceding Health & Safety Plan:

Church Kiper 6/23/93
Signature Date

Signature Date

Stewart Wade 6/23/93
Signature Date

Signature Date

David Howell 6/23/93
Signature Date

Signature Date

Ben O Rine
Signature Date

Signature Date

James J. Bell 6/23/93
Signature Date

Signature Date

James J. Bell 6/23/93
Signature Date

Signature Date

Lina Sorensen 6/23/93
Signature Date

Signature Date