

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



June 26, 1998

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510)

REMEDIAL ACTION COMPLETION CERTIFICATE

William Sheehan and Ed Sheehan
1236 Bay Street
Alameda CA 94501

**RE: Underground Storage Tank Closure, Apartment Complex, 510 Lincoln Avenue,
Alameda CA 94501 (Our site # 5844)**

Gentlemen:

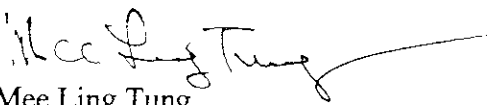
This letter confirms the completion of a site investigation for the underground storage tank formerly located at the above referenced location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above referenced file and with the provision that the information provided to this agency was accurate and complete, no further action related to the underground tank investigation is required.

This Notice is issued pursuant to a regulation contained in Section 2721(e) of Title 23 of the California Code of Regulations.

Please contact Pamela Evans of our office with any questions at (510)567-6770.

Sincerely,


Mee Ling Tung
Director, Environmental Health Services

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R0813

Rob'te #01-2311

ENVIRONMENTAL HEALTH SERVICES
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510)

May 29, 1998

Chuck Headlee
California Regional Water Quality Control Board
2101 Webster St., Suite 500
Oakland CA 94612

ck
etc ->
close

CALIFORNIA REGIONAL WATER
JUN 05 1998
QUALITY CONTROL BOARD

RE: Case Closure – Apartment Complex, 510 Lincoln Av., Alameda 94501
Our site #5844

Dear Mr. Headlee:

Enclosed is a case closure summary for your review and sign-off.

Thank you for your attention and assistance in this matter. Please contact me with any questions at 567-6770.

Sincerely,

Pamela J. Evans

Pamela J. Evans
Senior Hazardous Materials Specialist

Enclosure

C William & Ed Sheehan, 1236 Bay St., Alameda CA 94501

JUN 19 1998

CASE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 4/13/98

Agency name: **Alameda County-EPD** Address: **1131 Harbor Bay Pkwy**
 City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6770**
 Responsible staff person: **Pamela J. Evans** Title: **Senior Hazardous Materials Specialist**

II. CASE INFORMATION

Site facility name: **Apartment Complex**
 Site facility address: **510 Lincoln Av., Alameda CA 94501**
 RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **5844**
 URF filing date: **9/26/96** SWEEPS No: **N/A**

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
William and Ed Sheehan	1236 Bay St. Alameda CA 94501	(510)522-0978

Tank #	Size in gal.	Contents	Closed in place or removed?	Date
1	1,500	Home heating oil	Removed	9/20/96

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Possible overfilling, tank was in good condition, no soil contamination was noted.**
 Site characterization complete? **Yes**
 Date approved by oversight agency: **4/13/98**
 Monitoring Wells installed? **Yes** Number: **One**
 Proper screened interval? **Yes, 3 to 13 feet bgs.**
 Highest GW depth below ground surface: **4.4' bgs**
 Lowest depth: **Same**
 Flow direction: **Unknown**
 Most sensitive current use: **None known**
 Are drinking water wells affected? **No** Aquifer name: **Unknown**
 Is surface water affected? **No** Nearest affected SW name: **None known**
 Off-site beneficial use impacts (addresses/locations): **None**
 Report(s) on file? **YES** Where is report filed? **Alameda County, 1131 Harbor Bay Pkwy, Alameda CA 94502**

<u>Material</u>	<u>Amount (include units)</u>	<u>Treatment and Disposal of Affected Material: Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank 1	1,500 gallon	Inerted prior to removal. Shipped to Erickson, Inc., Richmond CA for disposal	9/20/96
Product and rinsate	175 gallons	Disposed onsite. tested at nondetect for all contaminants	
Piping	None		
Soil	< 20 cubic yards	Tested and used as backfill	Unknown

Maximum Documented Contaminant Concentrations - - Before and After Investigation/Clean up

Contaminant	Soil (in ppm)	Before		After	
		Before	After	Water(in ppb) Before	After
TPHd		ND	ND	27,000	ND
PAHs		NT	NT	NT	ND
Benzene		ND	ND	ND	ND
Toluene		ND	ND	ND	ND
Ethyl benzene		ND	ND	ND	ND
Xylenes		ND	ND	ND	ND

Notes:
 Before soil samples were taken from the tank pit and stockpile soils at time of tank removal.
 After soil samples were taken from drill cuttings from a soil boring for the monitoring well installation.
 Before water sample was taken from tank pit at time of tank removal.
 After water samples were taken from monitoring well in June, 1997.

Comments:

This site is an apartment complex located approximately 0.25 mile from San Francisco Bay on the island of Alameda. On September 20, 1996, a 1,500 gallon home heating oil tank was removed. Eva Chu of Alameda County Environmental Health Services reported that the tank appeared in good condition at the time of removal. Soil samples collected from beneath the tank between 6-7' bgs and from the stockpiles showed no detectable TPHd or BTEX contamination. However, groundwater in the tank pit was found to contain up to 27,000 ppb TPHd. The excavation was later backfilled with the stockpiled soil. Sometime after the tank was removed, the pit was backfilled using stockpiled soil that had been tested and found ND for TPHd and BTEX.

Due to the TPHd finding in groundwater, the property owner was required to do a soil and groundwater investigation. On May 16, 1997, MW-1 was installed in the former tank pit. Soil samples were not collected from the boring because groundwater was encountered at 4.4' and because the boring extended through fill soil that had previously been tested and found clean. However, samples were collected from the soil cuttings for disposal profiling. They contained no detectable levels of TPHd or BTEX. Boring logs from the well installation showed fine to medium grained sand and sand with 5 to 12% silt from grade to approximately 15' bgs. The well was developed and groundwater sampled on June 5, 1997. Depth to groundwater was 4.4' bgs. No detectable concentrations of TPHd, PAHs or BTEX were found in the groundwater sample. The soil cuttings from the boring and the water extracted from the well were disposed on site, as neither contained detectable concentrations of any contaminants of concern.

IV. COMMENTS, DATA, ETC.

Site closure is recommended for the following reasons:

The contamination source (tank) has been removed. Soil remaining in place is not contaminated and therefore not a source of potential groundwater contamination.

The site has been adequately characterized. Confirmatory samples were taken from the tank pit and stockpile soils were taken along with the grab groundwater sample. Except for the finding of 27,000 ppb in the grab groundwater sample, no other contamination was found. Cuttings from the boring were also tested and found to contain no detectable contamination.

No groundwater impact has been confirmed. The well was located within the former tank pit. PAH compounds were also tested from the groundwater monitoring well and were not found above detection limits.

No water wells, deeper drinking water aquifers, surface waters, or other sensitive receptors are likely to be impacted.

The site presents no significant risk to human health or the environment

V. CLOSURE

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

Does corrective action protect public health for current land use? **Yes**
Site management requirements: **No**
Should corrective action be reviewed if land use changes? **No**

Monitoring wells Decommissioned: **No**
Number Decommissioned: **None** Number Retained: **One**

List enforcement actions taken: **None**
List enforcement actions rescinded:

See attachments:

1. Site general vicinity map.
2. Site diagram showing boring, monitoring well, tank and building locations.
3. Table showing analysis results from tank removal sampling.
4. Boring logs for monitoring well.
5. Sampling results from well installation and sampling.

VI. LOCAL AGENCY REPRESENTATIVE DATA

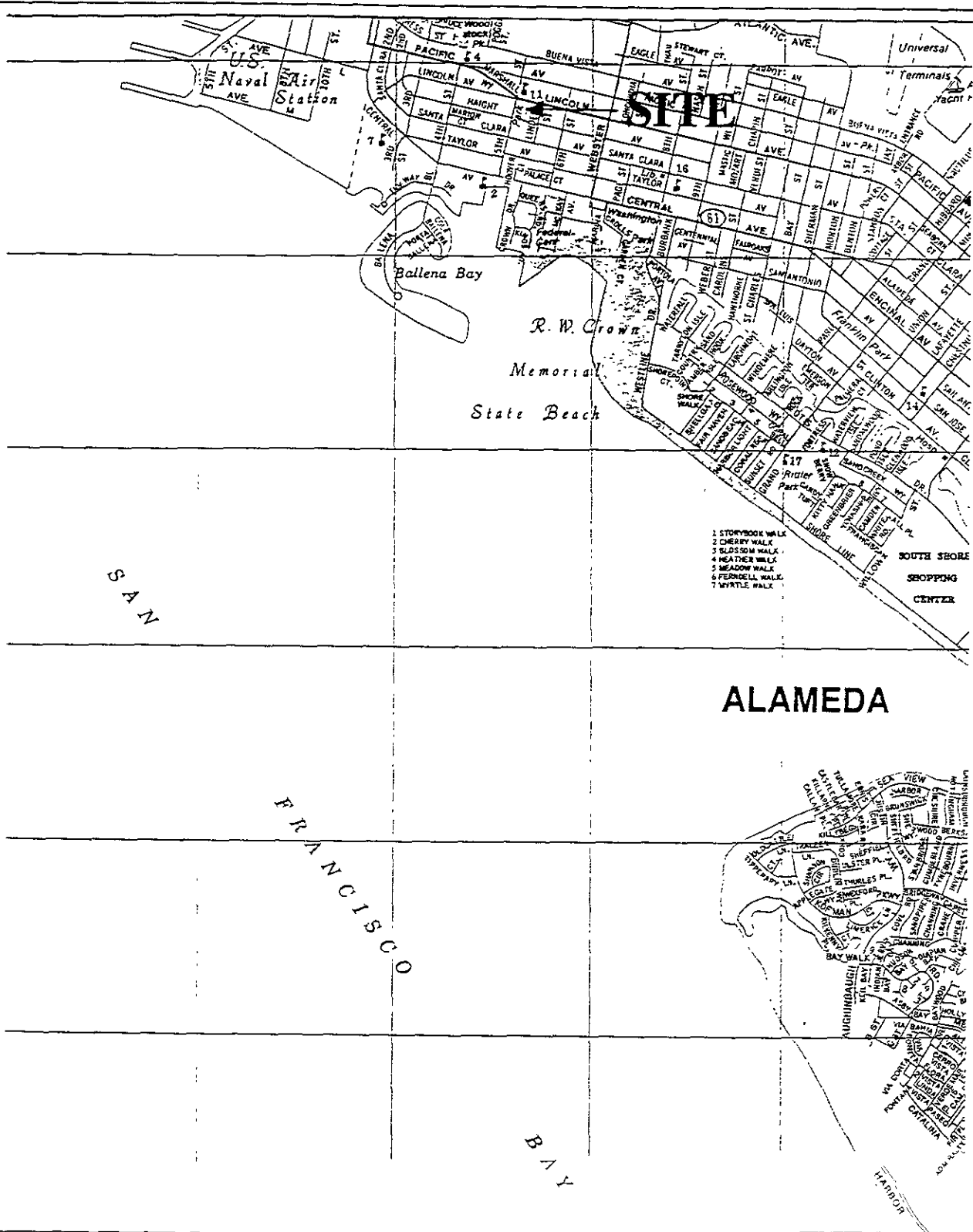
Name: **Pamela J. Evans** Title: **Senior Hazardous Materials Specialist**
 Signature: *Pamela J. Evans* Date: **April 13, 1998**

Reviewed by
 Name: **Thomas F. Peacock** Title: **Supervising Hazardous Materials Specialist**
 Signature: *Thomas F. Peacock* Date: **6-1-98**

Name: **Eva Chu** Title: **Hazardous Materials Specialist**
 Signature: *Eva Chu* Date: **4/16/98**

VII. RWQCB NOTIFICATION

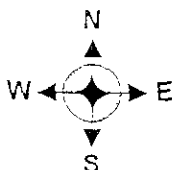
Date Submitted to RB: RB Response:
 RWQCB Staff Name: **Chuck Headlee** Title: **Associate Engineering Geologist**
 Signature: *Chuck Headlee* Date: **6/10/98**



HK2, INC./ SEMCO
 1751 Leslie Street
 San Mateo, California 94402

Project No. 97-0153

Legend

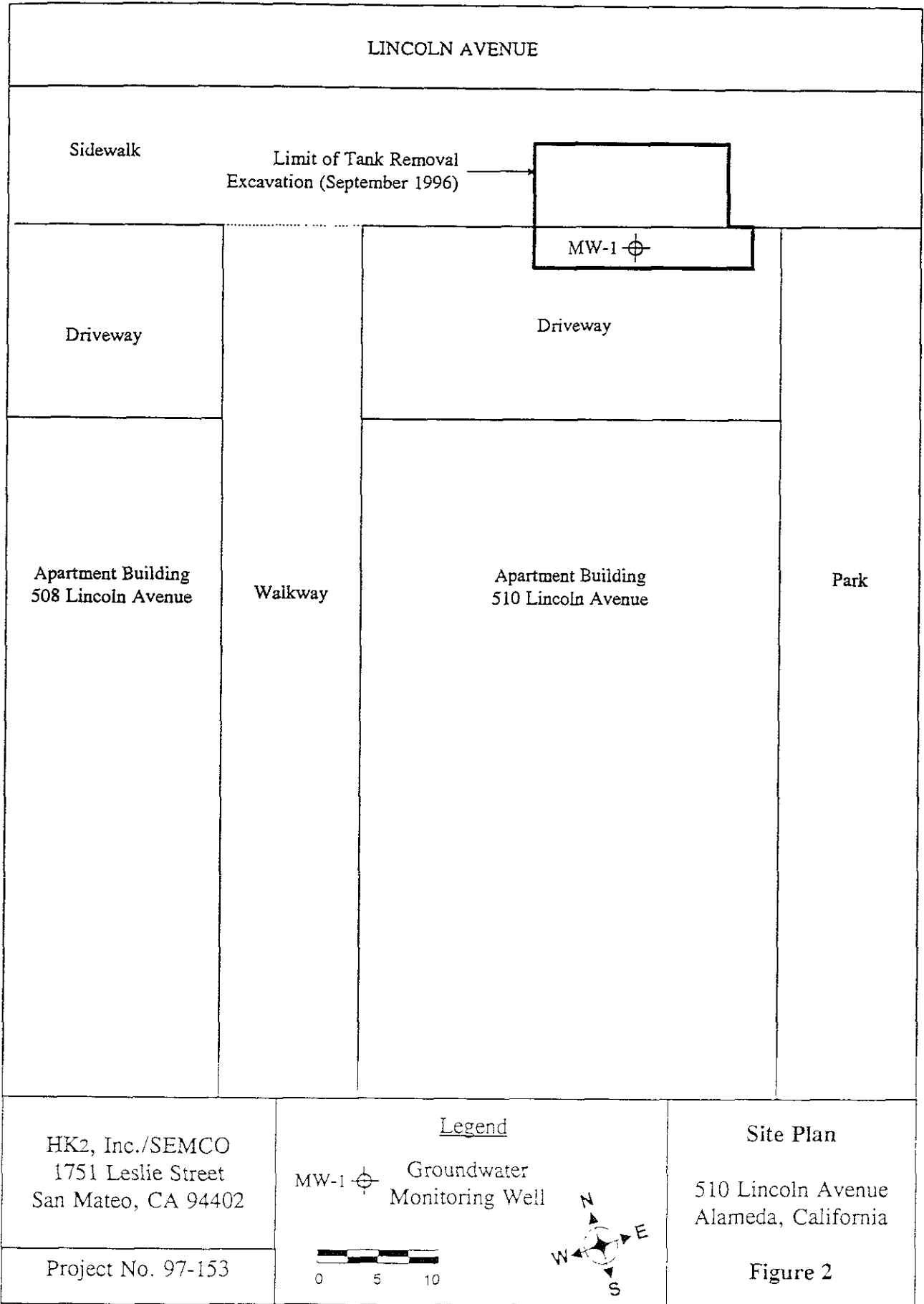


1 inch Equals
 Approximately
 1/2 mile

Site Location Map

510 Lincoln Avenue
 Alameda, California

Figure 1



LINCOLN AVENUE

Sidewalk

Limit of Tank Removal
Excavation (September 1996)

MW-1

Driveway

Driveway

Apartment Building
508 Lincoln Avenue

Walkway

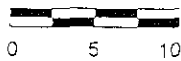
Apartment Building
510 Lincoln Avenue

Park

HK2, Inc./SEMCO
1751 Leslie Street
San Mateo, CA 94402

Legend

MW-1  Groundwater
Monitoring Well



Site Plan

510 Lincoln Avenue
Alameda, California

Project No. 97-153

Figure 2



North State Environmental
Chemical Waste Disposal - Trucking - Consulting

CERTIFICATE OF ANALYSIS

Lab No:	96-691	Date Sampled:	09-20-96
Client:	SEMCO	Date Analyzed:	09-23-96
Project:	510/508 LINCOLN AVE., ALAMEDA	Date Reported:	09-24-96

Benzene, Toluene, Ethylbenzene and Xylenes by Method 8020
Diesel range hydrocarbons by EPA method 8015M

SAMPLE NO	CLIENT ID	ANALYTE	METHOD	RESULT
96-691-01	#1-PIT WATER @ 7' WATER	Benzene	8020	ND
		Toluene	8020	ND
		Ethylbenzene	8020	ND
		Xylenes	8020	ND
		Diesel	8015M	27 mg/L
96-691-02	#2-1500- D@7'-ESW SOIL	Benzene	8020	ND
		Toluene	8020	ND
		Ethylbenzene	8020	ND
		Xylenes	8020	ND
		Diesel	8015M	ND
96-691-03	#3-1500- D@6'-WSW SOIL	Benzene	8020	ND
		Toluene	8020	ND
		Ethylbenzene	8020	ND
		Xylenes	8020	ND
		Diesel	8015M	ND
96-691-04	#4-SPOILS SOIL	Benzene	8020	ND
		Toluene	8020	ND
		Ethylbenzene	8020	ND
		Xylenes	8020	ND
		Diesel	8015M	ND

Page 1 of 2

Depth (Feet)	Recovery/ Sample ID	Blow Counts	Organic Vapor (ppm)	USCS Soil Type	Description	Well Construction Detail
1	NA	NA	NA		Concrete	Well box & well cap
						Neat Cement
						Bentonite Seal
						Blank Casing
5				SP	Moist to saturated, dark brown SAND	▼ Screened Casing (0.020 inch)
						#2/12 Sand
10				SP-SM	Saturated, moderate brown, fine-to medium-grained SAND with silt	
						Threaded end cap
15						Native Soil
20						
25						

WELL NUMBER
LOCATION

MW-1
510 Lincoln Avenue
Alameda, California

PROJECT NO
DRILLING CONTRACTOR
DRILLING METHOD
DRILLING DATE
LOGGED BY

97-0153
HK2, Inc /SEMCO
Hollow-stem Auger
May 16, 1997
K. Craig

LEGEND

NA = not applicable
Borehole diameter = 6 inch
Well diameter = 0.75 inch
▼ = depth to water measured on May 16, 1997
Borehole terminated at 15 feet below grade

GE Global Environmental Laboratory, Inc.
 4118 CLIPPER COURT, FREMONT, CA 94539

PHONE: (510) 498-1991 FAX: (510) 498-1994

TPH-DIESEL REPORT
(ug/L)

Client: Mr. Deno Milano
 Semco
 1751 Leslie St.
 Man Mateo, CA 94402
 Project: 510 Lincoln, Alameda
 Matrix: Water

Date Sampled: 06-05-97
 Date Received: 06-06-97
 Date Analyzed: 06-13-97
 Date Reported: 06-17-97
 Lab Job #: 970606A

Client I.D.	Lab. I.D.		8015M Diesel		Dilution Factor
MW 1	970113A01		ND		1
Reporting Limit			50 ug/L		

ND Not Detected. All analytes recorded as ND were found to be at or below the Reporting Limit.

Reviewed By:

ELAP#: 2132


 Lisheng Wu, Laboratory Manager

EPA 8100 REPORT (ug/L)

Attn.: Mr. Deno Milano
Semco
1751 Leslie St.
Man Mateo, CA 94402
Project: 510 Lincoln, Alameda
Matrix: Water
Client ID# MW-1


Date Sampled: 06-05-97
Date Received: 06-06-97
Date Analyzed: 06-10-97
Date Reported: 06-17-97
Lab. Project #: 970606A
Lab. ID# 970606A01
Dilution Factor 1

COMPOUND	Result	Reporting Limit
naphthalene	ND	1.0
acenaphthene	ND	1.0
acenaphthylene	ND	1.0
fluorene	ND	1.0
phenanthrene	ND	1.0
anthracene	ND	1.0
fluoranthene	ND	1.0
pyrene	ND	1.0
benzo (a) anthracene	ND	1.0
chrysene	ND	1.0
benzo(b) fluoranthene	ND	1.0
benzo(k) fluoranthene	ND	1.0
benzo(a) pyrene	ND	1.0
indeno(1,2,3-cd)pyrene	ND	1.0
dibenzo(a,h)anthracene	ND	1.0
benzo(g,h,i) perylene	ND	1.0

ND Not Detected. All analytes recorded as ND were found to be at or below the Reporting Limit.

Reviewed By:

ELAP#: 2132


Lei Chen, Laboratory Director