

ALCO
HAZMAT

SEMCO

94 MAY -4 PM 2:48

**ENVIRONMENTAL & GENERAL ENGINEERING CONTRACTOR
HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION
LICENSE # 449864 A, B, C61/D40**

**1217 So. 7th STREET, MODESTO, CALIFORNIA 95351 (209) 524-9653
1741 LESLIE STREET, SAN MATEO, CALIFORNIA 94402 (415) 572-8033**

April 29, 1994

Juliet Shin
Alameda County
Department of Environmental Health
80 Swan Way, #200
Oakland, California 94621

Re: Encinal Terminals, 1521 Buena Vista Avenue, Alameda, California

Subject: Proposed Work Plan for Site Remediation

Dear Juliet,

Attached please find the proposed Work Plan for continued work at the referenced site. Also attached are the tank removal analytical results from which the Work Plan is based. If you should have any questions or need further information please contact me at (209) 524-9653.

Sincerely,
Semco



Doug Flaming
Operations Manager

Enclosure

**WORK PLAN FOR OVER-EXCAVATION
AT 1521 BUENA VISTA AVENUE, ALAMEDA
APRIL 29, 1994**

1.0 BACKGROUND

Semco was contracted by Alameda Terminals, located at 1521 Buena Vista Avenue, to remove one (1) 2,000 gallon, and one (1) 1,000 gallon underground storage tank at the same address (See site map for location)

2.0 SITE HISTORY

The site is an industrial property. Semco has contracted with Alameda Terminals for the remediation work.

2.1 The underground storage tanks were removed on Tuesday, April 5, 1994. The tanks were transported to Erickson, Inc. by Richard Hamilton Trucking under manifest #92863895. Samples were collected from the 2,000 gallon tank site at the north, and south end of the excavation, above the water interface, at minus 6'. Samples were collected from the 1,000 gallon site at the north, and south end of the excavation, at minus 8'. Water was not encountered at the 1,000 gallon tank site. One (1) composite soil sample was taken from each of the two sites. All samples were taken under the direction of Juliet Shin, Alameda County Environmental Health Department. (See sample location map).

2.2 The condition of the tanks were noted by Semco and Juliet Shin as follows:

2,000 gallon tank - North end of tank, seam weld eroded, (screw driver/probe was able to slip through the seam. Some corrosion present, but no other holes apparent.

1,000 gallon tank - Tank was in tact, with double tar wrap (most of wrap still in place). No apparent holes in tank.

3.0 ANALYTICAL PROTOCOLS AND RESULTS

All samples were taken by Semco under the direction of Juliet Shin, Alameda County Environmental Health Department, using clean 2" x 6" brass tubes. They were sealed with teflon tape, capped with pre-formed end caps, and sealed with masking tape at each end. The samples were placed in an iced cooler for transportation under a Chain of Custody to North State Environmental for analysis. The soil six (6) soil samples, and one (1) water sample were analyzed for TPH as Diesel, and BTXE. (See analytical results with Chain of Custody).

4. CONCLUSIONS AND RECOMMENDATIONS

Based on the relatively low levels of contamination Semco proposes to perform minor over-excavation at both former tank sites. During excavation, field screening will be performed by use of a Photo Ionization Detector (PID). Semco will perform de-watering during excavation if ground water is encountered. Following excavation, confirmation samples will be obtained under the direction of Alameda County Environmental Health Department. The excavation will then be backfilled to grade with an approved material. Excavated soil, and pumped ground water will be stored on-site pending characterization for disposal.



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C E R T I F I C A T E O F A N A L Y S I S

Benzene, Toluene, Ethylbenzene and Xylenes by
 Method 8020/5030
 Diesel by Method 8015 M

Job No: 94-357 Date Sampled: 04/05/94
 Client: Semco Date Received: 04/05/94
 Project: 93-3504 Alameda Terminals Date Analysed: 04/06/94

<u>Sample No.</u>	<u>Client ID</u>	<u>Analyte</u>	<u>Result</u>
94-357-01	#1 South Wall Interface 6'	Benzene	ND
		Toluene	0.011 mg/Kg
		Ethylbenzene	ND
		Xylenes	0.094 mg/Kg
		Diesel	38 mg/Kg
94-357-02	#2 North Wall Interface 6'	Benzene	ND
		Toluene	ND
		Ethylbenzene	ND
		Xylenes	0.018 mg/Kg
		Diesel	160 mg/Kg
94-357-03	#3 Pit Water 6' # 1 Tank	Benzene	ND
		Toluene	3 ug/L
		Ethylbenzene	0.6 ug/L
		Xylenes	3 ug/L
		Diesel	26 mg/L
94-357-04	#4 Comp Soils # 1 Tank	Benzene	ND
		Toluene	0.027 mg/Kg
		Ethylbenzene	0.017 mg/Kg
		Xylenes	0.1 mg/Kg
		Diesel	3 mg/Kg
94-357-05	#5 South End # 2 Tank 8'	Benzene	ND
		Toluene	ND
		Ethylbenzene	0.025 mg/Kg
		Xylenes	0.033 mg/Kg
		Diesel	4 mg/Kg



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94-357-06	#6 North End # 2 Tank 8'	Benzene	ND		
		Toluene	ND		
		Ethylbenzene	ND		
		Xylenes	ND		
		Diesel	380	mg/Kg	
94-357-07	#7 Comp Spoils # 2 Tank	Benzene	ND		
		Toluene	0.053	mg/Kg	
		Ethylbenzene	0.012	mg/Kg	
		Xylenes	0.063	mg/Kg	
		Diesel	47	mg/Kg	

Control/Quality Assurance Summary: Soil

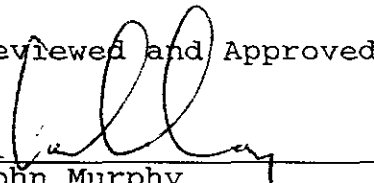
Analyte	Method	Reporting Limit	Blank	MS/MSD Recovery	RPD
BTXE	8020/5030	0.005 mg/Kg	ND	99%	6
Diesel	8015 M	1 mg/Kg	ND	95%	4

Control/Quality Assurance Summary: Water

Analyte	Method	Reporting Limit	Blank	MS/MSD Recovery	RPD
BTXE	8020/5030	0.5 ug/L	ND	99%	6
Diesel	8015 M	0.05 mg/L	ND	95%	4

DOHS Certificate No: 1753

Reviewed and Approved



John Murphy
Laboratory Director

Section I

CHAIN OF CUSTODY AND ANALYSIS REQUEST

LAB NO. _____

Consultant Name SEMCO
Office Location 1741 Leslie Rd. San Mateo, CA 94402
Fax No. (415) 572-9734
Project Manager Chuck Kiper
Phone (415) 572 8033

TURN AROUND TIME
 (Circle One)
 Same Day _____
 24 Hrs 72 Hrs
 48 Hrs 5 Day

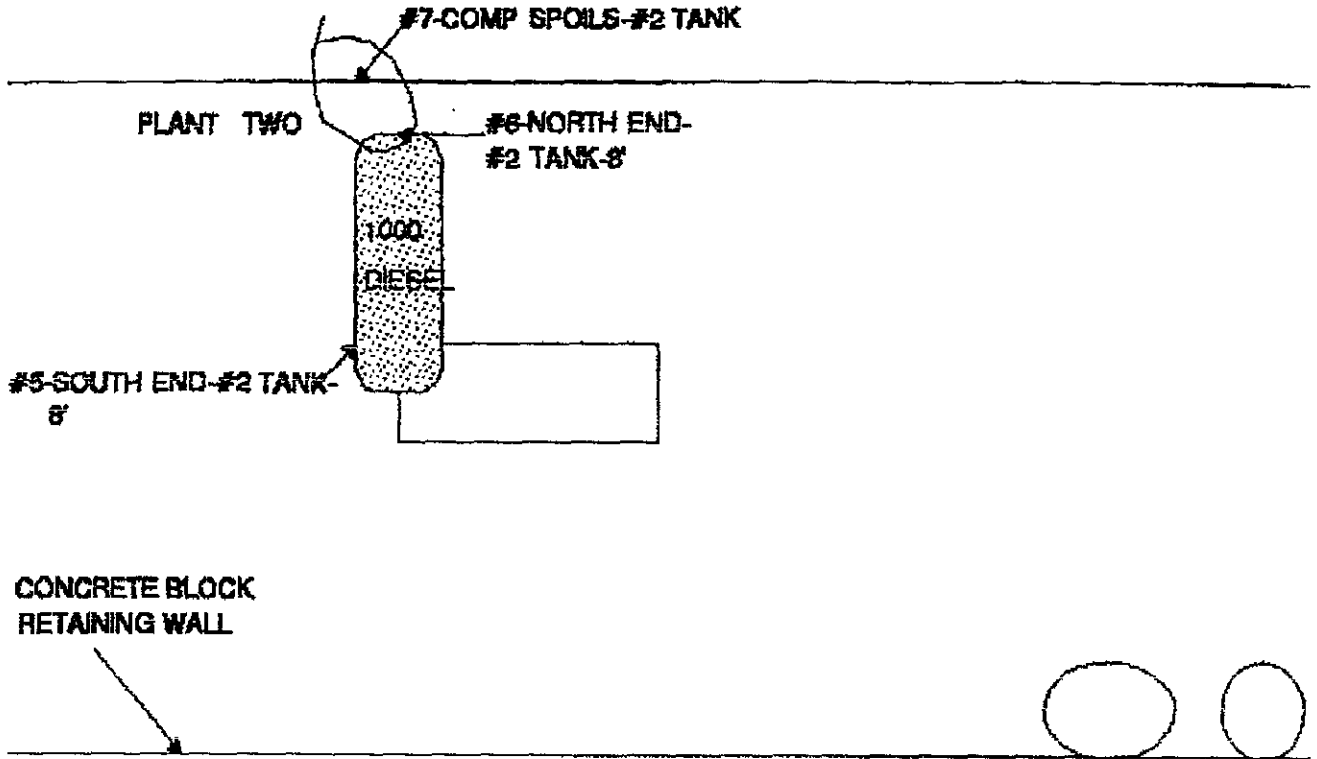
SUPERIOR ANALYTICAL, INC.
 Martinez San Francisco
 415/229-1512 415/647-2081

Send Coolers to : Modesto San Mateo Sampler Pat Vigil
 Project No. / P.O. No. 93-3504 ALAMEDA TERMINALS Regulatory Agency ALAMEDA COUNTY

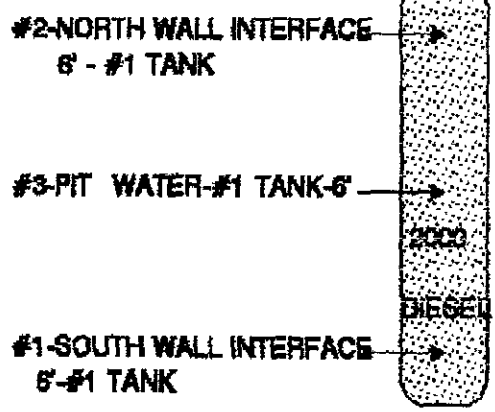
Section II Analysis Request										Section III		Sample Information			
Sample Identification	S=Soil W=Water Matrix	TPH - G & D	TPH - Low Level D	TPH - G	BTXE	O&G	8010	8240	Metals	Others * Subject to Subcontracting	Date	Time	Containers		Sampling Remarks
													Quantity	Pres.	
1 #1 - South Wall INTERFACE 6'	S		✓		✓						4/5-94	11:15	1		94-357-01
2 #2 - North Wall INTERFACE 6'	S		✓		✓						4/5-94	11:23	1		-02
3 #3 - P.I. H2O 6" TANK #1	W		✓		✓						4/6-94	11:30	1 AND 2 2 VOA's		-03
4 #4 - Comp Spoils TANK #1	S		✓		✓						4-5-94	11:40	4		-04
5 #5 - South End TANK #2 8'	S		✓		✓						4-5-94	11:55	1		-05
6 #6 - North End TANK #2 8'	S		✓		✓						4-5-94	12:03	1		-06
7 #7 - Comp Spoils TANK #2	S		✓		✓						4-5-94	11:55	4		-07
8															
9															
10															
11															
12															

Received
 APR 15 1994
 SEMCO

Relinquished by <u>Pat Vigil</u>	Date/Time <u>4-5-94 3:15</u>	Received by _____	Please Initial _____
Organization _____		Organization _____	Samples Stored in Ice _____
Relinquished by _____	Date/Time _____	Received by _____	Appropriate Containers _____
Organization _____		Organization _____	Samples Preserved _____
Relinquished by _____	Date/Time _____	Received by <u>[Signature]</u>	VOA's without Headpace _____
Organization _____		Organization <u>USE LAB</u>	Comments _____



PLANT ONE



SEMCO
1521 BUENA VISTA AVE
ALAMEDA

NOT TO SCALE