

# FERO ENGINEERING

ENVIRONMENTAL ENGINEERING & CONSULTING

September 18, 2000

County Los Angeles  
Department of Public Works  
Environmental Programs Division  
Post Office Box 1460  
Alhambra, California 91802-1460

Tank Closure Report  
Permanent Tank Closure Permit  
No. 294975  
File No. I-14533-15141 (6H)  
**Lane Stanton Vance Lumber Company**  
14710 Nelson Avenue, City of Industry, California 91744

## TANK REMOVAL

On September 7, 2000, under Closure Permit Registration Number 294975 and in accordance with the County of Los Angeles Fire Department requirements, one 550 gallon (originally thought to be 200 gallon) steel underground gasoline tank located at 14710 Nelson Avenue in the City of Industry was removed and properly disposed.

Prior to removal, the tank was cleaned, triple rinsed, and certified as clean & vapor free by a marine chemist. The cleaning solution and residue from the tank were contained in a vacuum truck, manifested and transported to De Menno Kerdoon a licensed hazardous waste treatment/disposal facility in Compton. A copy of the hazardous waste manifest is enclosed as Exhibit 1. A copy of the clean tank certification is enclosed as Exhibit 2.

The clean tank was removed from the pit. The tank was attached securely on a truck, and transported to Adams Steel a recycling facility in Anaheim, California. The certificate of destruction for the tank is enclosed as Exhibit 3.

On September 7, 2000, upon removal of the subject tank, one soil sample (SP1A) was collected at 12:35 p.m. from two feet below the central invert elevation of the subject tank. The dispenser was not present but apparently was located over the west end of the tank and no lateral piping was present, therefore no additional samples were required or obtained. A scaled site plan which shows the location of the tank, the sampling point, building, etc. is enclosed as Figure 1.

The soil sample was obtained in as close to an undisturbed state as possible from the location specified in the closure application utilizing a backhoe. Upon removing the soil from the specified location, a clean 2 inch by 6 inch brass sample tube was inserted into the soil in the backhoe bucket in

such a way that no headspace was allowed within the sample tube. The brass sampling tube was sealed with Teflon lined tight fitting plastic caps, and appropriately labeled and logged in. The sample was immediately placed in an ice chest containing ice and transported via proper Chain-of-Custody procedures to State certified Enviro-Chem, Inc. Laboratories in Pomona for analysis. The tank invert soil sample was obtained from native materials which generally consisted of silty fine to medium sands.

Soil sampling was performed by John B. Petersen working directly under the supervision of Rick L. Fero, P.E., a California Registered Civil Engineer with sufficient and relevant experience in soils as required by applicable regulations.

The tank was used for diesel fuel. The soil sample obtained was tested for Total Petroleum Hydrocarbons (TPH) as diesel using EPA Method 8015m and for Benzene, Toluene, Xylenes, Ethylbenzene (BTXE) and MTBE using EPA Method 8021B. Analytical results from the testing are summarized in Table 1 below. Complete analytical results and chain of custody documentation for the above mentioned samples are included as Exhibit 4.

**Table 1**

Soil Analytical Results  
Former Underground Diesel Tank  
**Lane Stanton Vance Lumber Company**  
14710 Nelson Avenue, City of Industry, California 91744

Sample Point (ft.)	TPHd (mg/Kg)	BTXE (ug/Kg)	MTBE (ug/Kg)
SP1A	ND	ND	ND

ND = Not Detected at laboratory detection limits.

The tank excavation was backfilled with the clean stockpiled soils which were supplemented with clean import soils. The soils were placed in the excavation and compacted and the tank area was resurfaced with asphalt.

## REGIONAL & SITE GEOLOGY

The project site is located in the Transverse Ranges Province. Most of the province is mountainous; many of the higher ridges and peaks rise above 5,000 feet, and the highest mountains rise to elevations of more than 10,000 feet. The backbone of the province, in its central and eastern parts, is formed by the San Gabriel and San Bernardino Mountains. The Province extends eastward about 275 miles from Point Arguello into the Mojave desert. The site is more specifically located in the southeastern San Gabriel Valley. (1, 2) During the process of excavating soils to obtain the tank invert sample, native soils were observed to consist generally of silty fine to medium sands.

## GROUNDWATER

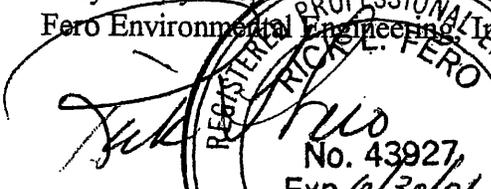
As specified in the closure permit, research was conducted to determine groundwater elevations at the subject site. Fero Environmental Engineering, Inc. conducts quarterly groundwater monitoring of several groundwater wells located approximately  $\frac{3}{4}$  of a mile to the southeast of the subject site. The most recent available monitoring data from that site (July 26, 2000) indicates that the groundwater table is 32 feet below grade (fbg) at that location.

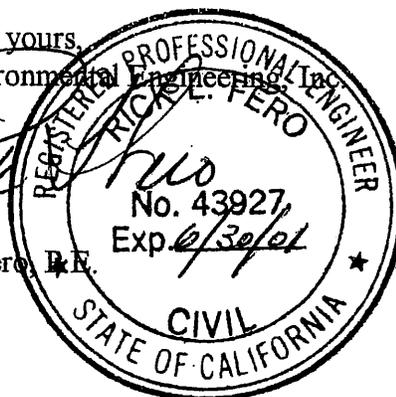
## CONCLUSIONS

- In accordance with the Los Angeles County Department of Public Works and Fire Department requirements, the subject underground tank was removed and properly disposed.
- A soil sample was obtained from the appropriate location beneath the tank and it was analyzed according to County of Los Angeles Department of Public Works' accepted protocol.
- As indicated above in Table 1, no diesel related TPH was found in the soil sample. No benzene, toluene, ethylbenzene, xylene or MTBE were detected in the soil sample.
- Visual inspection of the tank and the soil sample results indicate the tank was sound thereby requiring no remediation at the site.

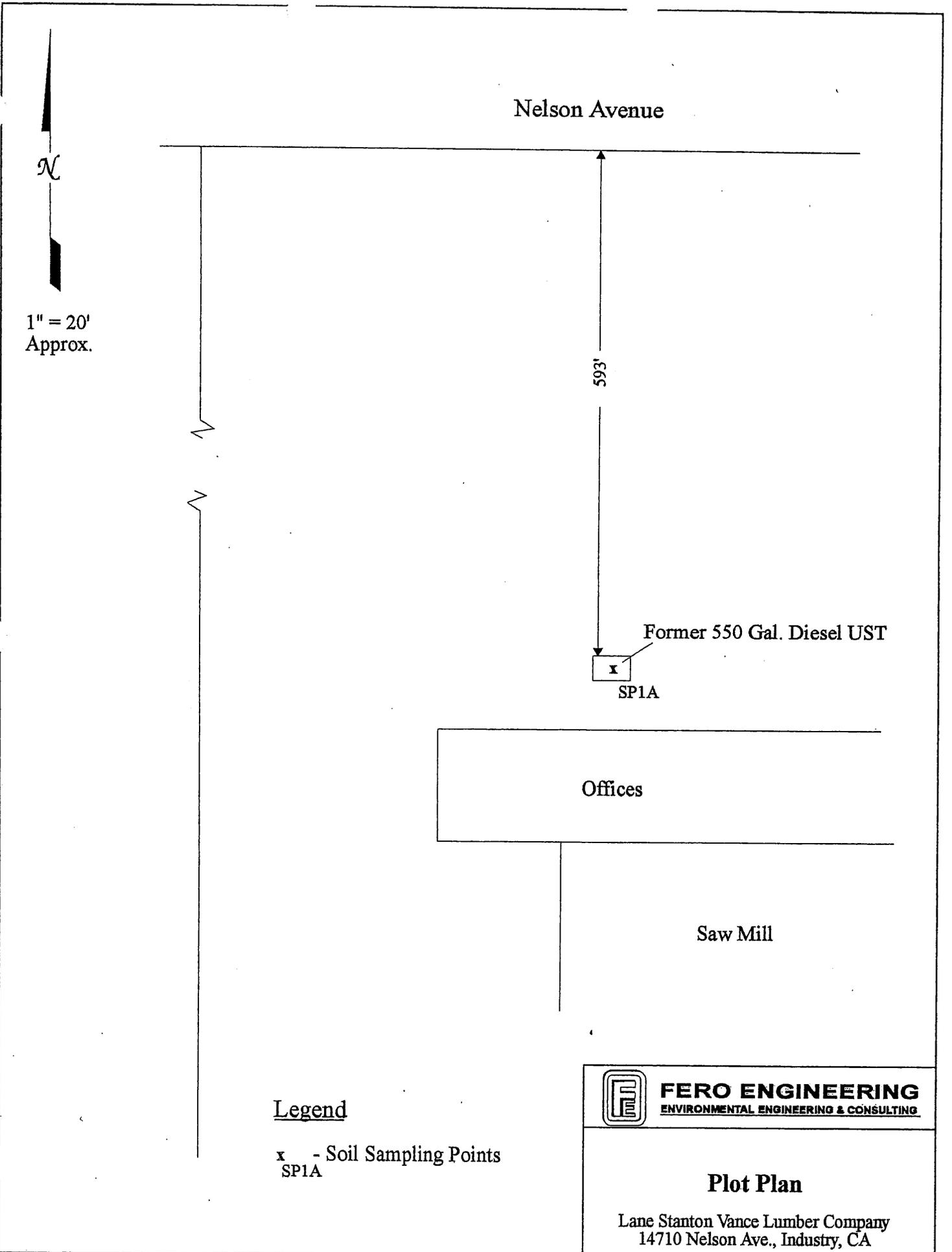
Fero therefore respectfully requests formal closure of the subject underground storage tank through the County of Los Angeles Department of Public Works and a letter indicating "no further action required..." regarding the subject tank. Should you have any questions regarding the content of this closure report, please do not hesitate to call the undersigned at (714) 256-2737.

Very truly yours,  
Fero Environmental Engineering, Inc.

  
Rick L. Fero, R.E.  
President



RLF:jbp  
[364rpt]



## References

- 1) Geological Survey Professional Paper 420-A, 1965.
- 2) Geological Survey Professional Paper 1360, 1985.

Exhibit 1

**Tank Rinsate Manifest**





# TANK CERTIFICATION REPORT

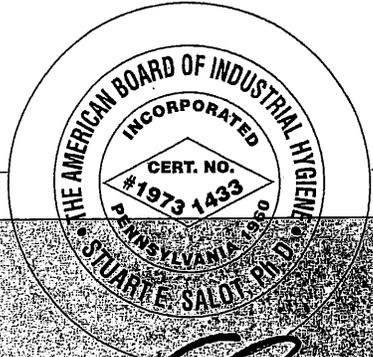
CTL ENVIRONMENTAL SERVICES  
24404 S. Vermont Avenue, #307  
Harbor City, CA 90710  
TEL: (310) 530-5006

TANK REMOVAL CERTIFICATE #: 06677  
Date: 9/7/08  
Permit #: 294975  
Site: Lake - Stanton - Vance  
Address of tank: 14710 Nelson Ave.  
City of Industry, CA  
Client: NASI

TANK DESCRIPTION	TANK SIZE	TANK NUMBER	TANK CONTENTS	RESULTS OF TANK INSPECTION
<i>Steel UST</i>	<i>550 gallon</i>	<i>294975</i>	<i>diesel</i>	<i>LEL 0%</i>

The tank(s) described above has/have been inspected and found to be gas free based on readings obtained with an MSA type 2A Explosivity Meter (LEL of zero percent). A visual inspection has been made of the interior of the tank(s) and no visible contamination has been observed except as noted below.

EXCEPTION: None



The tank(s) described above is/are approved for removal and transportation.

INSPECTED BY:

CERTIFIED BY:   
STUART E. SALOT, PH.D., C.I.H.  
CERTIFIED INDUSTRIAL HYGIENIST (#1973 & 1433)

Exhibit 3

Tank Destruction Documentation

# CERTIFICATE OF DESTRUCTION

COMPANY NAME

ADDRESS

*14710 Nelson Ave  
Cetco Industries*

ADAMS STEEL CERTIFIES THAT

*1500 gal*

HAS BEEN SCRAPPED, CRUSHED AND  
TOTALLY DESTROYED ON:

*9/11/2000*

SIGNATURE

*Cheryl Hatman*

TITLE

*Purchasing Supervisor*

DATE

*9/11/2000*

**ADAMS STEEL**  
**3200 E. FRONTERA ROAD**  
**ANAHEIM, CA 92806**  
**(714) 630-6523**  
**FAX (714) 630-5836**

Enviro - Chem, Inc.  
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: September 8, 2000

Mr. John Petersen  
Fero Environmental Engineering, Inc.  
431 W. Lambert Road, #305  
Brea, CA 92821  
Tel (714) 256-2737 Fax (714) 256-1505

Project: LSV Lumber Co. / 00-364

Dear Mr. Petersen:

The analytical results for the soil samples, received by our Lab on September 7, 2000, are attached. All samples were received chilled, intact and accompanying chain of custody record.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call Mr. John Ackerman, our Customer Service Specialist, or myself, if you have any questions.

Sincerely,



Curtis Desilets  
Vice President/Program Manager



Michael T.T. Chuah  
Lab Manager

### LABORATORY REPORT

CUSTOMER: Fero Environmental Engineering, Inc.  
431 W. Lambert Road, #305  
Brea, CA 92821  
Tel(714)256-2737 Fax(714)256-1505

PROJECT: LSV Lumber Co. / 00-364

MATRIX: SOIL DATE SAMPLES RECEIVED: 09/07/00  
DATE SAMPLED: 09/07/00 DATE ANALYZED: 09/07/00  
REPORT TO: MR. JOHN PETERSEN DATE REPORTED: 09/08/00

SAMPLE I.D.: SP1A

LAB I.D.: 000907-46

ANALYTE	RESULTS, MG/KG	PQL	EPA METHOD
TPH/DIESEL RANGE (C10-C22)	ND	10	LUFT/8015M
TPH/GASOLINE RANGE (C4-C10)	ND	0.1	5030/8015M
BENZENE	ND	0.005	5030/8021B
TOLUENE	ND	0.005	5030/8021B
ETHYLBENZENE	ND	0.005	5030/8021B
TOTAL XYLENES	ND	0.01	5030/8021B
MTBE	ND	0.01	5030/8021B

#### COMMENTS

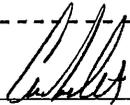
MG/KG = PPM

PQL = PRACTICAL QUANTITATION LIMIT

ND = BELOW THE PQL OR NON-DETECTED

TPH = TOTAL PETROLEUM HYDROCARBONS

MTBE = METHYL tert-BUTYL ETHER

DATA REVIEWED AND APPROVED BY:   
CAL-DHS ELAP CERTIFICATE No.: 1555

### METHOD BLANK REPORT

CUSTOMER: Fero Environmental Engineering, Inc.  
431 W. Lambert Road, #305  
Brea, CA 92821  
Tel(714)256-2737 Fax(714)256-1505

PROJECT: LSV Lumber Co. / 00-364

MATRIX: SOIL

DATE SAMPLES RECEIVED: 09/07/00

DATE SAMPLED: 09/07/00

DATE ANALYZED: 09/07/00

REPORT TO: MR. JOHN PETERSEN

DATE REPORTED: 09/08/00

METHOD BLANK FOR LAB I.D.: 000907-46

ANALYTE	RESULTS, MG/KG	PQL	EPA METHOD
TPH/DIESEL RANGE (C10-C22)	ND	10	LUFT/8015M
TPH/GASOLINE RANGE (C4-C10)	ND	0.1	5030/8015M
BENZENE	ND	0.005	5030/8021B
TOLUENE	ND	0.005	5030/8021B
ETHYLBENZENE	ND	0.005	5030/8021B
TOTAL XYLENES	ND	0.01	5030/8021B
MTBE	ND	0.01	5030/8021B

#### COMMENTS

MG/KG = PPM

PQL = PRACTICAL QUANTITATION LIMIT

ND = BELOW THE PQL OR NON-DETECTED

TPH = TOTAL PETROLEUM HYDROCARBONS

MTBE = METHYL tert-BUTYL ETHER

DATA REVIEWED AND APPROVED BY:   
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766

Tel (909)590-5905 Fax (909)590-5907

**GAS/BTEX (S) QC**

Date Analyzed: 9/7-8/2000

**MATRIX SPIKE(MS)/MATRIX SPIKE DUPLICATE(MSD)**

**SPIKED SAMPLE LAB. I.D.:** 0907-46

**MATRIX:** Soil (mg/Kg, ppm)

ANALYTE	SR	SPK CONC	MS	% REC	MSD	% REC	%RPD	ACP % REC	ACP RPD
Gasoline	0.000	0.500	0.477	95	0.507	101	6	75-125	0 - 20
Toluene	0.000	0.050	0.051	103	0.051	102	1	75-125	0 - 20

**LCS STD RECOVERY:**

ANALYTE	SPK CONC	LCS	% REC	ACP %REC
Gasoline	0.500	0.581	116	75-125
Toluene	0.050	0.052	104	75-125

Analyzed By: James Yeap

Reviewed and approved by: CBP (09-08-00)

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

**DIESEL (S) QC**

Date Analyzed: 9/7-8/2000

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)  
Spiked Sample Lab I.D.: 0907-46

Unit mG/Kg (PPM)  
Matrix: soil

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
Diesel	0	3400	3501	103	3264	96	7	75-125	<20%

Analyzed By: James Yeap

Approved By: CBJ

