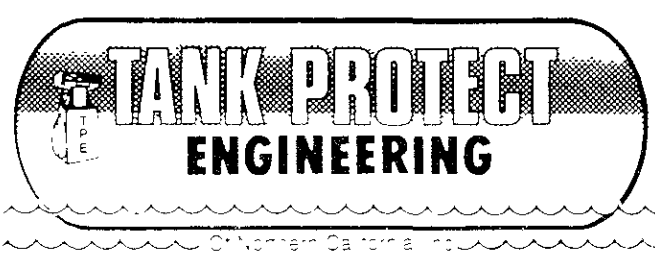
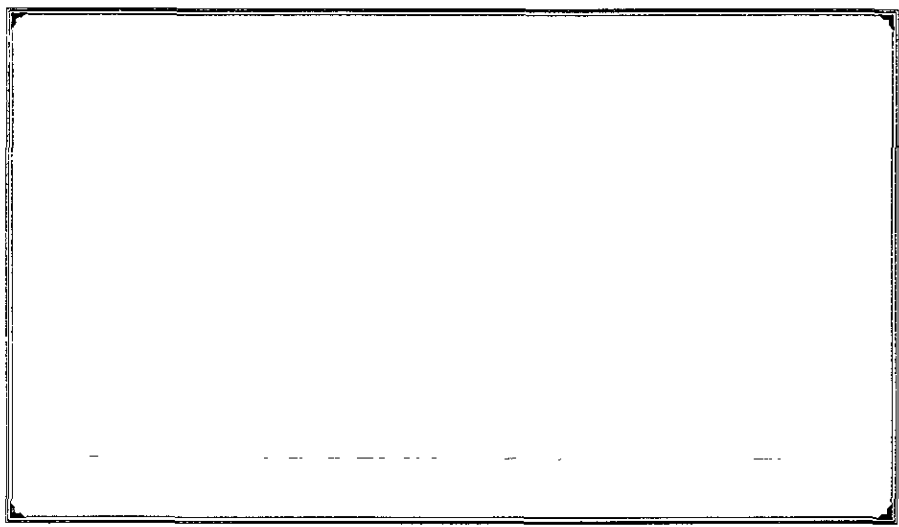


ALCO
HARDWARE
SUNCO-8 80410



1021 W. 100th Road
Culver City, CA 94567-1266
Tel: 424-6088 • 800-526-6088
Fax: 415-429-0000
E-mail: Contact@TP6.com

TANK CLOSURE REPORT

FRANK'S TIRE SERVICE
1115 21ST STREET
OAKLAND, CA 94607

Prepared For:
MR. FRANK FRIZZIE
FRANK'S TIRE SERVICE
2800 GOODRICK AVENUE
RICHMOND, CA 94801

Submitted By:
TANK PROTECT ENGINEERING
Of Northern California, Inc.
May 31, 1994

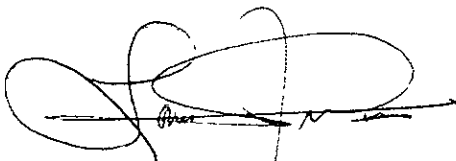
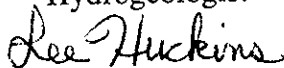
Project Number 293



John V. Mrakovich, Ph.D.
Registered Geologist



Lee N. Huckins
Hydrogeologist



Louis Travis III
Civil Engineer

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Prepared For:
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2800 GOODRICK AVENUE
RICHMOND, CA 94801

May 31, 1994

This report has been prepared by the staff of **Tank Protect Engineering of Northern California, Inc.** under direction of an Engineer and/or Geologist whose seal(s) and/or signature(s) appear hereon.

The findings, recommendations, specifications or professional opinions are presented, within the limits prescribed by the client, after being prepared in accordance with generally accepted professional engineering and geologic practice. We make no other warranty, either expressed or implied.

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2.0 TANK REMOVAL	1
2.1 Soil Sampling	2
2.1.1 Results of Chemical Analyses	3
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2.3 Excavation of Contaminated Soil	4
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3.0 DISPOSITION OF EXCAVATION AND STOCKPILED SOIL	6

FIGURES

1. SITE PLAN: TANK REMOVAL (11/23/93)
2. SITE PLAN: OVEREXCAVATION AND STOCKPILE SOIL SAMPLING (5/6/94)

TABLE

1. SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS

APPENDICES

- A. . ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY,
DEPARTMENT OF ENVIRONMENTAL HEALTH, HAZARDOUS
MATERIALS DIVISION, UNDERGROUND TANK CLOSURE PLAN
. CITY OF OAKLAND, PERMIT TO EXCAVATE IN STREETS OR OTHER
WORK AS SPECIFIED
. CITY OF OAKLAND, PERMIT TO EXCAVATE AND INSTALL, REPAIR,
OR REMOVE INFLAMMABLE LIQUID TANKS

- . BAY AREA AIR QUALITY MANAGEMENT DISTRICT, NOTIFICATION FORM
 - . CITY OF OAKLAND REPORT OF FIRE INSPECTION
 - . ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH, HAZARDOUS MATERIALS DIVISION INSPECTION FORMS
 - . UNIFORM HAZARDOUS WASTE MANIFEST
 - . H&H ENVIRONMENTAL SERVICES, CERTIFICATE OF DISPOSAL
 - . UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK)/CONTAMINATION SITE REPORT
 - . ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY, APRIL 18, 1994 LETTER
- B. SAMPLE HANDLING PROCEDURES
- C. CERTIFIED ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

1.0 INTRODUCTION

The subject site is Frank's Tire Service (FTS) located at 1115 21st Street in the City of Oakland in Alameda County, California. Tank Protect Engineering of Northern California, Inc. (TPE) was contracted by FTS (~~contact person is Mr. Frank Frizzie, telephone number 510-233-8473~~) to ~~remove one 500-gallon underground gasoline storage tank from the site.~~ This tank closure report documents tank closure activities at the subject site.

2.0 TANK REMOVAL

Prior to beginning tank removal activities, TPE obtained an acceptance of an Underground Tank Closure Plan from the Alameda County Health Care Services Agency (ACHCSA), Department of Environmental Health, Hazardous Materials Division on October 28, 1993; received a Permit to Excavate in Streets or Other Work as Specified and a Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks (Tank Permit No. 9760) from the City of Oakland on October 28, 1993 and November 15, 1993, respectively; and notified the Bay Area Air Quality Management District (BAAQMD) on November 19, 1993 (see Appendix A).

On November 23, 1993, about 3 gallons of gasoline were removed from the tank by TPE and stored on site in a 5-gallon container. Questions regarding the disposition of the removed gasoline should be directed to FTS.

Tank removal activities began on November 23, 1993 by removing a 3 to 6-inch thick, concrete pad from over the tank. The tank was prepared for hoisting from the excavation by removing backfill from around the tank. About 15 cubic yards (cyds) of soil were excavated and stockpiled on site on top of and covered with plastic. ~~Apparent contamination was present in the stockpiled soil as evidenced by soil staining and odor.~~

The tank excavation was rectangular shaped, having a total length of about 10 feet and a width of about 6 feet (see Figure 1). The excavation reached a maximum depth of about 8 feet. The lithology of the sidewalls, from ground surface to depth, was: (1)

about 6 to 7 inches of concrete, (2) about 6 to 7 feet of black silty clay, and (3) the remainder being a light grey, bluegreen, sandy, clayey silt. ~~Soil contamination was apparent in the floor of the excavation as evidenced by stains and odor.~~

No groundwater entered the excavation during tank removal activities.

Prior to removal, the tank was purged of flammable vapors by displacement with dry ice as indicated by a combustible gas indicator [(Gastech model 1314) see City of Oakland Report of Fire Inspection in Appendix A]. After being hoisted from the excavation, the tank was visually examined for evidence of leakage. A crack was visible in a seam on the bottom of the tank opposite of the fill end and the tank was rusty. No holes were apparent (see ACHCSA Hazardous Materials Inspection Form in Appendix A).

The tank was transported off site by H&H Ship Service Company (H&H) as hazardous waste under Uniform Hazardous Waste Manifest, State Manifest Document Number 92219745 to their facility located at 220 China Basin Street in San Francisco, California 94107. After rendering the tank harmless, H&H disposed of the tank as scrap metal at Schnitzer Steel located in Oakland, California (see Appendix A).

Tank removal and subsequent soil sampling were conducted in accordance with the California Regional Water Quality Control Board (CRWQCB)-San Francisco Bay Region's "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites", dated August 10, 1990, and under the supervision of representatives of the City of Oakland Fire Prevention Bureau and the ACHCSA.

2.1 Soil Sampling

After removal of the tank, 1 discrete soil sample, BP-1, was collected for chemical analysis from the floor of the excavation at a depth of about 9.5 feet. Two discrete soil samples, SP-1 and SP-2, were collected from the stockpiled soil at depths of about 1 to 1.5 feet below the stockpile's surface (see Figure 1)

The sample from the floor of the excavation was collected about 1 to 2 feet into native soil by excavating the soil with a backhoe bucket and collecting a soil sample by driving a clean 2-inch diameter by 6-inch long brass tube into the bucket with a slide-hammer corer. Stockpile soil samples were collected directly into brass tubes driven by a slide-hammer corer. After collecting each sample, the brass tube ends were covered with Teflon sheeting; capped with plastic end-caps; labeled to show site address, project number, sample name and depth, date and time collected, and sampler name; sealed in quart-size plastic bags; and placed in an iced-cooler for transport to California Department of Health Services (DHS) certified Priority Environmental Labs (PRIORITY) located in Milpitas, California accompanied by chain-of-custody documentation (see Appendix B for TPE's protocol relative to sample handling procedures).

All soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPHG); for benzene, toluene, ethylbenzene, and xylenes (BTEX); and for total lead by DHS Method 5030/8015, the United States Environmental Protection Agency (EPA) Method 8020, and EPA Method 7420, respectively.

2.1.1 Results of Chemical Analyses

Chemical analyses detected ~~TPHG, benzene, toluene, ethylbenzene, xylenes, and total lead in soil sample BP-1 at concentrations of 630 parts per million (ppm), 600 ppm, 770 ppm, 940 ppm, 2.5 ppm, and 6.6 ppm, respectively.~~ All analytical results for stockpile soil sample SP-1 were nondetectable with the exception of total lead detected at a concentration of 7 ppm. Stockpile soil sample SP-2 detected TPHG, benzene, toluene, ethylbenzene, xylenes, and total lead at concentrations of 22 ppm, .021 ppm, .027 ppm, .033 ppm, .085 ppm, and 3.2 ppm, respectively.

Analytical results for soil samples are summarized in Table 1 and documented with a certified analytical report and chain-of-custody in Appendix C.

2.2 Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report

Because of the above analytical results, an Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report was prepared for the ACHCSA (see Appendix A).

2.3 Excavation of Contaminated Soil

Because chemical analyses of the soil sample collected from beneath the tank during removal detected 630 ppm TPHG and .6 ppm benzene, and in response to the ACHCSA's April 18, 1994 letter (see Appendix A), FTS approved for TPE to excavate contaminated soil. The extent of excavation was based on the presence of apparent contamination as evidenced by soil staining, odors, and headspace analysis using a Gastech, Inc., Trace-Tehtor, hydrocarbon vapor tester.

On May 6, 1994, TPE conducted horizontal and vertical excavation of contaminated soil from the sidewalls and floor of the gasoline tank excavation. The majority of contaminated soil was excavated from the northeast and southeast sidewalls and the floor of the excavation (see Figure 2). Horizontal excavation to the northeast and southwest sidewalls of the excavation was not conducted due to buildings and 21st Street, respectively.

Vertical excavation was conducted to an estimated maximum depth of about 11 feet. Including soil excavated during tank removal, a total of approximately 23 cyds of vadose zone soil were excavated. All stockpiled soil was placed on top of and covered with plastic.

2.3.1 Verification Soil Sampling

Four discrete verification soil samples were collected from the excavation sidewalls at depths of about 1 foot above the floor of the excavation (see Figure 2). One discrete soil sample was collected from the floor of the excavation. Verification sampling was

conducted under the supervision of a representative of the ACHCSA (see ACHCSA Hazardous Materials Inspection Form in Appendix A).

Verification soil samples VSP-1 through VSP-4 were collected about 1 to 2 feet into native soil by excavating a block of soil with a backhoe bucket and collecting the soil sample from the bucket in a clean 2-inch diameter by 6-inch long brass tube driven by a slide-hammer corer. Verification soil sample VSP-5 was collected in native soil from the excavation sidewall using a slide-hammer corer and extensions.

Composite stockpile sample STK1 (1-4) was collected as discrete samples for laboratory compositing, such that 4 discrete samples were composited into 1 sample, for stockpile characterization. These samples were collected from the middle of the stockpile after removing approximately 1.5 feet of overburden soil to expose a fresh surface.

After collecting each sample, the brass tube ends were covered with Teflon sheeting, capped with plastic end-caps, labeled, sealed in quart-size plastic bags, and placed in an iced cooler for transport to DHS certified Trace Analysis Laboratory, Inc. (TAL) located in Hayward, California accompanied by chain-of-custody documentation.

All soil samples were analyzed for TPHG by DHS Method and for BTEX by Modified EPA Method 8020.

2.3.1.1 Results of Chemical Analyses

Chemical analyses detected TPHG, benzene, toluene, ethylbenzene, and xylenes in soil sample VSP-1 at concentrations of 290 ppm, 2.8 ppm, 5.8 ppm, 6 ppm, and 38 ppm, respectively. TPHG and BTEX were nondetectable in soil samples VS-2 through VS-5.

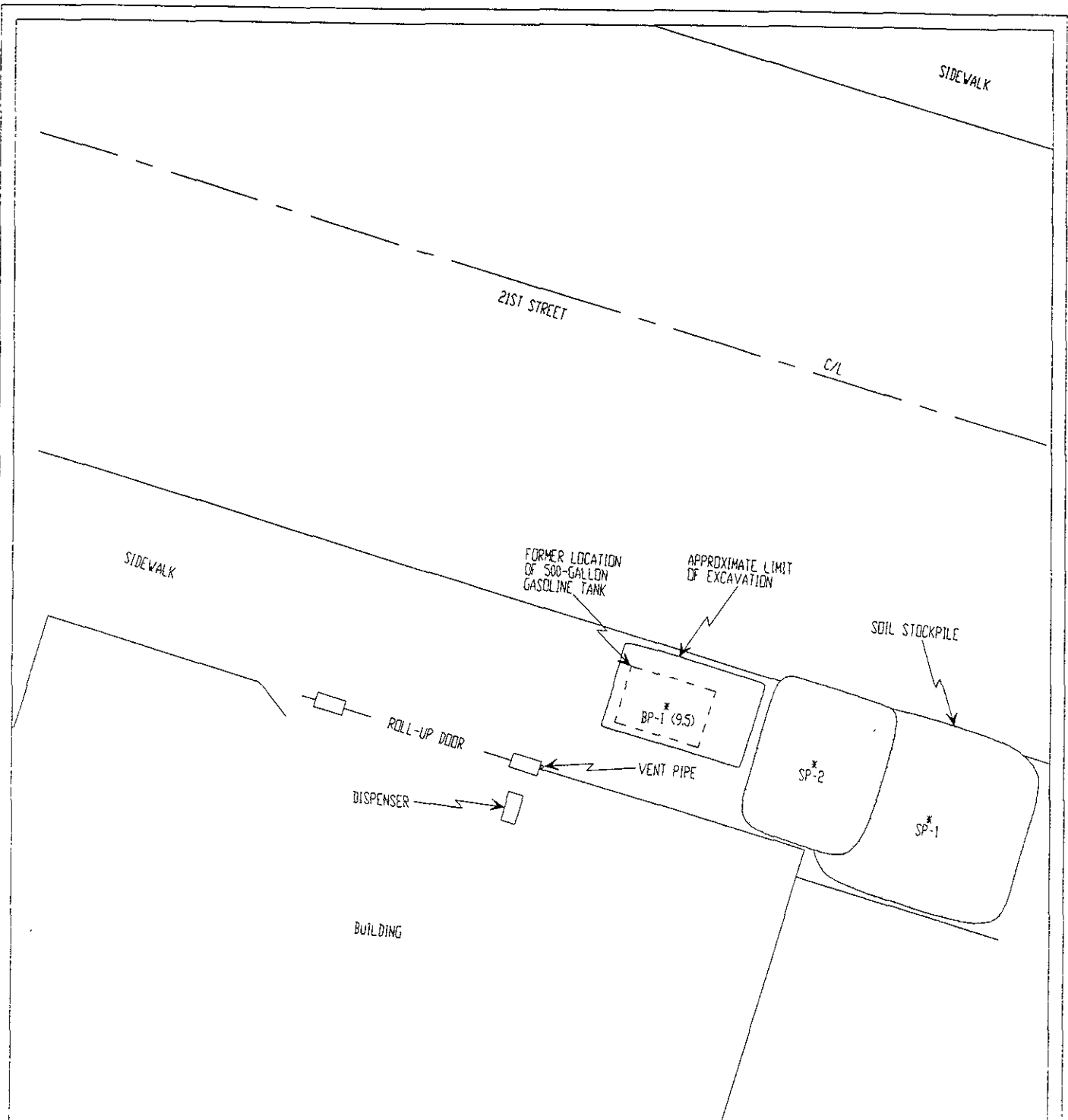
TPHG, toluene, ethylbenzene, and xylenes were detected in composite stockpile soil sample STK1 (1-4) at concentrations of 5.1 ppm, 110 ppm, .130 ppm, and 830 ppm, respectively.

Analytical results are summarized in Table 1 and documented with a certified analytical report and chain-of-custody in Appendix C.

3.0 DISPOSITION OF EXCAVATION AND STOCKPILED SOIL

On May 9, 1994, TPE backfilled the excavation to within .66 foot of surface with Class II aggregate base and approximately 5 cyds of clean stockpiled soil. The remaining .34 foot was filled with concrete on May 10, 1994. Approximately 18 cyds of contaminated stockpiled soil was left on site for disposal and covered with plastic.

FIGURES



SIDEWALK

21ST STREET

C/L

SIDEWALK

FORMER LOCATION
OF 500-GALLON
GASOLINE TANK

APPROXIMATE LIMIT
OF EXCAVATION

SOIL STOCKPILE

ROLL-UP DOOR

BP-1 (9.5)

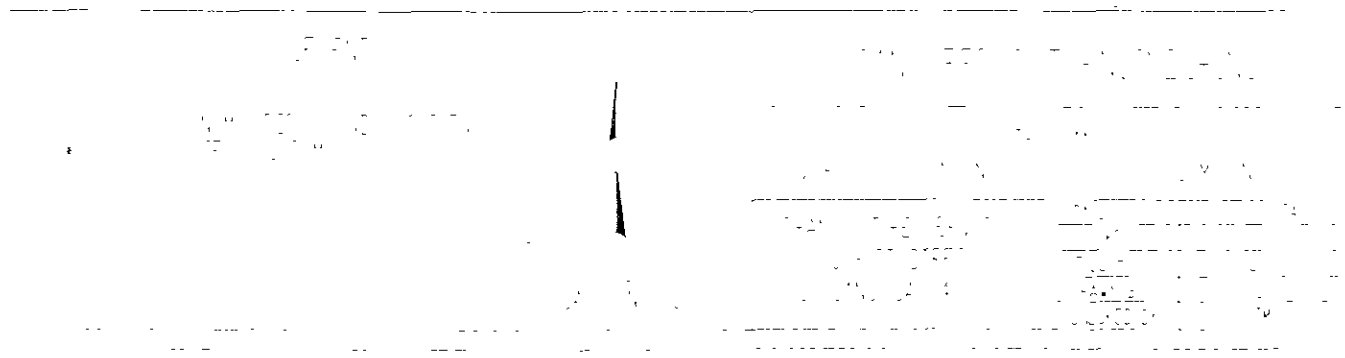
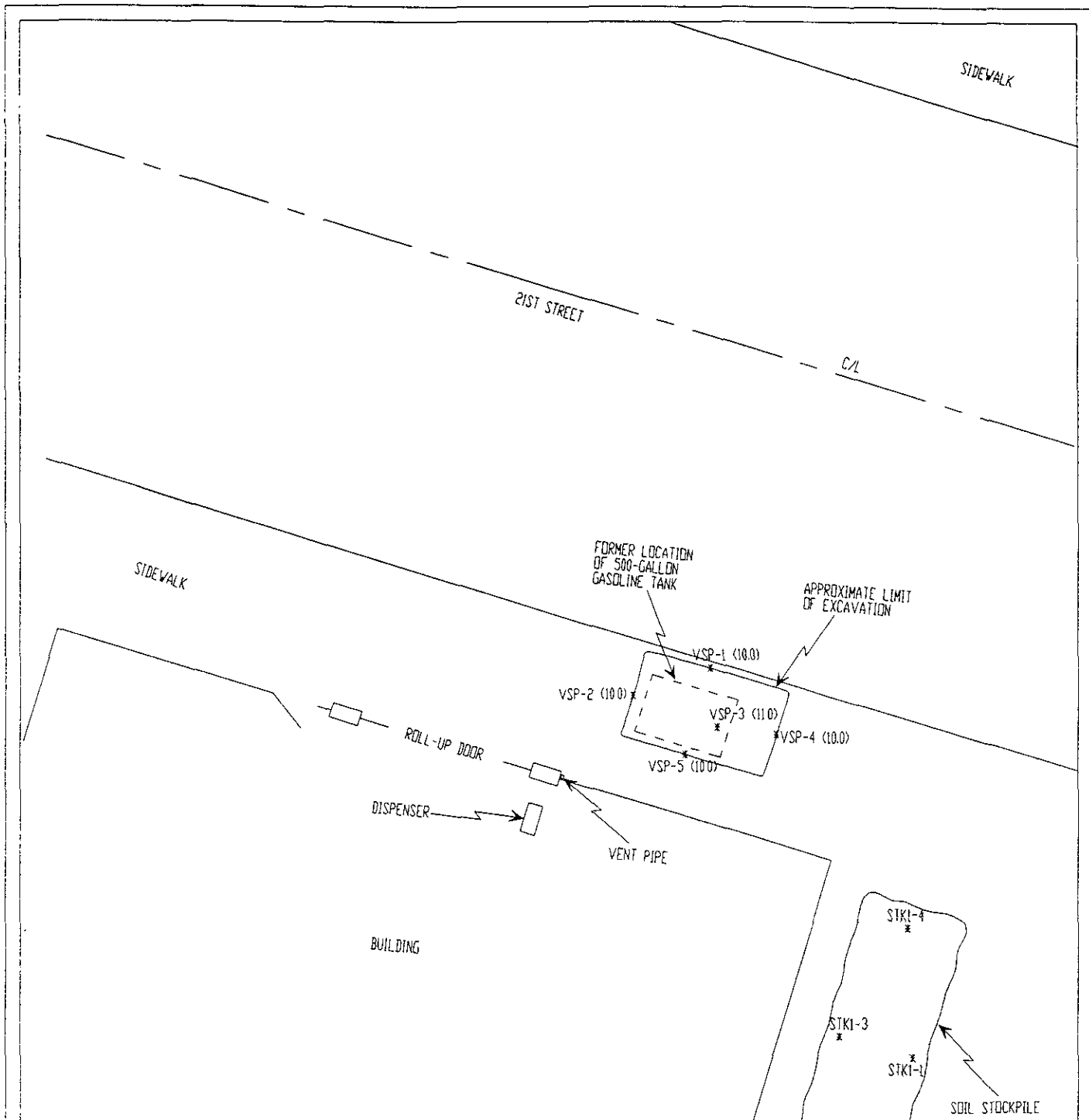
SP-2

SP-1

VENT PIPE

DISPENSER

BUILDING



TABLES

TABLE 1
SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS
(ppm¹)

Sample ID Name	Date	Depth (Feet)	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes	Total Lead
BP-1	11/23/93	9.5	630 ✓	600 ✓	.770	.940	2.5	6.6 ✓
SP-1	11/23/93	1.0-1.5	<1.0 ✓	<.005 ✓	<.005	<.005	<.005	7.0 ✓
SP-2	11/23/93	1.0-1.5	290 ✓	.021 ✓	.027	.033	.085	3.2 ✓
VSP-1	05/06/94	10.0	290 ✓	28 ✓	5.8	6.0	38.0	NA ² ✓
VSP-2	05/06/94	10.0	<.500 ✓	<.0050 ✓	<.0050	<.0050	<.015	NA
<i>bottom</i> VSP-3	05/06/94	11.0	<.500 ✓	<.0050 ✓	<.0050	<.0050	<.015	NA
VSP-4	05/06/94	10.0	<.500 ✓	<.0050 ✓	<.0050	<.0050	<.015	NA
VSP-5	05/06/94	10.0	<.500 ✓	<.0050 ✓	<.0050	<.0050	<.015	NA
STK1 (1-4)	05/06/94	1.5-2.0	5.1 ✓	<.007 ✓	.110	.130	.830	NA

¹ PARTS PER MILLION

² NOT ANALYZED

APPENDICES

APPENDIX A

- . ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY, DEPARTMENT OF ENVIRONMENTAL HEALTH, HAZARDOUS MATERIALS DIVISION, UNDERGROUND TANK CLOSURE PLAN
- . CITY OF OAKLAND, PERMIT TO EXCAVATE IN STREETS OR OTHER WORK AS SPECIFIED
- . CITY OF OAKLAND, PERMIT TO EXCAVATE AND INSTALL, REPAIR, OR REMOVE INFLAMMABLE LIQUID TANKS
- . BAY AREA AIR QUALITY MANAGEMENT DISTRICT, NOTIFICATION FORM
- . CITY OF OAKLAND REPORT OF FIRE INSPECTION
- . ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH, HAZARDOUS MATERIALS DIVISION INSPECTION FORMS
- . UNIFORM HAZARDOUS WASTE MANIFEST
- . H&H ENVIRONMENTAL SERVICES, CERTIFICATE OF DISPOSAL
- . UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) CONTAMINATION SITE REPORT
- . ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY, APRIL 18, 1994 LETTER

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 510/271-4320

Manifest & Invoice
11/16/78
11/16/78

ACCEPTED

Check by 10/25/78 to Environmental Health Agency
for 10/25/78 to Environmental Health Agency

11/16/78

11/16/78

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

- Business Name Frank's Tire Service
Business Owner Frank's Tire Service
- Site Address 1115 - 21st Street
City Oakland, CA Zip 94607 Phone (510) 233-8473
- Mailing Address 2800 Goodrick Avenue
City Richmond, CA Zip 94801 Phone (510) 233-8473
- Land Owner Frank's Tire Service
Address 2800 Goodrick Ave. City, State Richmond, CA Zip 94801
- Generator name under which tank will be manifested _____
Frank's Tire Service
- EPA I.D. No. under which tank will be manifested CRC010970230

CITY OF OAKLAND

PERMIT TO EXCAVATE IN STREETS OR OTHER WORK AS SPECIFIED

PERMISSION TO EXCAVATE IN THE PUBLIC RIGHT-OF-WAY IS HEREBY GRANTED TO:

APPLICANT Task Protect Engineering of Northern California, Inc.

ADDRESS 2821 Whipple Road, Union City, CA 94587

LOCATION OF WORK: 1115 - 21st Street BETWEEN _____ AND _____
(Street or Address) (Street/Ave) (Street/Ave)

TYPE OF WORK: GAS ELECTRIC WATER TELEPHONE CABLE TV SEWER OTHER (Specify)

NATURE OF WORK Removing one 500 gallon Underground Storage Tank

OWNER/BUILDER

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 for such permit to file a signed statement that he is licensed pursuant to the provisions of the 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 violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than \$500)

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 70044 Business and Professions Code. The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who does such work himself or through his own employees provided that such improvements are not intended or offered for sale. 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 exempt from the sale requirements of the above due to (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption in this subdivision on more than two structures more than once during any three year period (Sec. 7044 Business and Professions Code)

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 thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License Law)

I am exempt under Sec. _____, B&P.C. for this reason _____

Signature _____ Date _____

WORKER'S COMPENSATION

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, Lab C)

Policy # 1145921 Company Name State Compensation Insurance Fund

Certified copy is hereby furnished

Signature Kerr A. Keller Date 10/2/10

(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 _____ Date _____

NOTICE TO APPLICANT If after making this Certificate of Exemption you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions, or this permit shall be deemed revoked

PERMIT VOID 90 DAYS FROM DATE OF ISSUE UNLESS EXTENSION GRANTED BY DIRECTOR OF PUBLIC WORKS

Approximate Starting Date	DATE	_____
Approximate Completion Date	DATE	_____
HOLIDAY RESTRICTION	YES	NO
LIMITED OPERATION AREA	YES	NO
DATE STREET LAST RESURFACED	DATE	_____
SPECIAL PAVING DETAIL REQUIRED	YES	NO

24 HOUR EMERGENCY PHONE NUMBER _____ PERMIT NOT VALID WITHOUT 24 HOUR NUMBER

Telephone 273 3668 Forty-eight (48) HOURS BEFORE ACTUAL CONSTRUCTION

ATTENTION

State law requires that contractor/owner call Underground Service Alert two working days before excavating to have below ground utilities located. This permit is not valid unless applicant has secured an inquiry identification number issued by Underground Service Alert

Call Toll Free 800 642-2444 USA ID Number _____

This permit issued pursuant to all provisions of Chapter 6 Article 2 of the Oakland Municipal Code

This permit is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance

CONTRACTOR

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 # AND CLASS	<u>575837 A-100</u>	CITY BUSINESS TAX #	_____
X	Date	<u>10/2/10</u>	
Signature of Contractor Owner or Agent _____			
<input type="checkbox"/> Agent for <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Owner			

OFFICIAL USE ONLY

UTILITY COMPANY REPORT

Supervisor _____
Completion Date _____

CITY INSPECTOR'S REPORT

BACK FILE _____ PAVING _____

Initials _____
Hours _____
Date _____
Concrete _____
Asphalt _____
Sidewalk _____
Size of Cut _____
Paved by _____
Bill No _____
Charges _____
Traffic Striping Required _____

APPROVED _____

Engineering _____
Field Serv _____
Constr _____
Traffic Eng _____
Electrical Engineering _____

DIRECTOR OF PUBLIC WORKS

APPROVED BY _____
DATE _____
EXTENSION GRANTED BY _____
DATE _____

Excavation Permit Granted _____ No. _____

CITY OF OAKLAND

Tank Permit

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks. No. 9760

Oakland, California, November 15, 19 93

PERMISSION IS HEREBY GRANTED TO ~~excavate~~ remove ~~repair~~ Gasoline tank and excavate commencing _____ feet inside _____ line

on the _____ side of _____ Street Avenue _____ feet _____ of _____ Street Avenue

House No. 1115 - 21st Street Street Avenue Present Storage _____

Owner Frank's Tire Shop Address 2800 Goodrick Ave. Richmond 94801 Phone 233-8473

Applicant Tank Protect Engineering of No. Ca., Inc. Address 2821 Whipple Rd. Union City 94587 Phone 429-8088

Dimensions of street (sidewalk) surface to be disturbed _____ X _____ Number of Tanks 1 Capacity 500 Gallons, each.

Remarks: _____

This Permit is granted in accordance with existing City Ordinances.
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.
When installing, removing or repairing tanks, no open flame to be on or near premises.

Approved _____ Fire Marshal

Approved _____ Drainage Division Engineering Dept.

EXCAVATING PERMIT

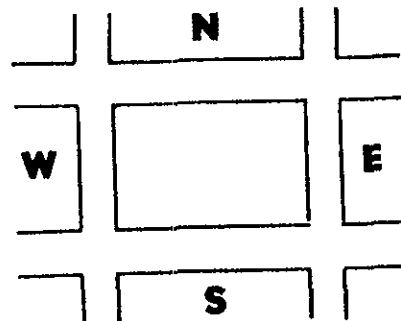
Issued in accordance with Ord. No. 278 CMS, Sec. 6-2.04

_____ square feet of digging or removal granted.

The receipt of \$ _____ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

BUREAU OF PERMITS AND LICENSES.



CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on _____ 19 _____

By _____ Fire Marshal

NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

When ready for inspection notify Fire Prevention Bureau, 273-3851

Inspection Fee Paid - - - - - \$ 80.00 ck# 2647 rec# 692649

Received by D. Clemons

FIRE PREVENTION BUREAU

THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.



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

Aeration of Contaminated Soil and
 Removal of Underground Storage Tanks

NOTIFICATION FORM

Removal or Replacement of Tanks
 Excavation of Contaminated Soil

SITE INFORMATION

L. Enck

SITE ADDRESS 1115 21 st. Street
 CITY, STATE Oakland, CA ZIP 94607
 OWNER NAME Frank's Tire Service
 SPECIFIC LOCATION OF PROJECT _____

<p>TANK REMOVAL</p> <p>SCHEDULED STARTUP DATE <u>11/23/93</u></p> <p>VAPORS REMOVED BY:</p> <p><input type="checkbox"/> WATER WASH</p> <p><input checked="" type="checkbox"/> VAPOR FREEING (CO²)</p> <p><input type="checkbox"/> VENTILATION</p>	<p>CONTAMINATED SOIL EXCAVATION</p> <p>SCHEDULED STARTUP DATE _____</p> <p>STOCKPILES WILL BE COVERED? YES _____ NO _____</p> <p>ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):</p> <p>_____</p> <p>(MAY REQUIRE PERMIT)</p>
---	---

CONTRACTOR INFORMATION

NAME Tank Protect Engineering CONTACT Louis Travis
 ADDRESS 2821 Whipple Ord. J PHONE (510) 429-8088
 CITY, STATE, ZIP Union City, CA, 94587

CONSULTANT INFORMATION
 (IF APPLICABLE)

NAME _____ CONTACT _____
 ADDRESS _____ PHONE () _____
 CITY, STATE, ZIP _____

FOR OFFICE USE ONLY

DATE RECEIVED FAX <u>11/10/93</u>	BY <u>[Signature]</u> (init.)
DATE POSTMARKED _____	BY _____ (init.)
CC: INSPECTOR NO. <u>65</u>	DATE <u>11-23-93</u> BY <u>[Signature]</u> (init.)
UPDATE: CONTACT NAME _____	DATE _____ BY _____ (init.)
BAAQMD # _____	DATA ENTRY <u>11/23/93</u>

CITY OF OAKLAND
REPORT OF FIRE INSPECTION

PREJ # 293
ENGINE CO

ADDRESS 1115-21st ST

NAME Tank Protect

GENERAL INSPECTION

PERMIT
OTHER

HAZARD NOTED

HAZARD ABATED

NOTICE LEFT LETTER

1st NOTICE

2nd NOTICE

FINAL

DATE	VIOLATION	O.F.C.	CONTACTED
11-23-83	Witnessed Removal of 500 gal tank bec 5% O ₂ 1% OK		

A REINSPECTION WILL BE MADE WITHIN _____ DAYS

FIRE PREVENTION BUREAU — PHONE 273-3851

INSPECTOR [Signature]

PROJ # 293

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# _____ Site Name Frank's Tire Service Today's Date 11/23/91
 Site Address 1115-21st St. EPA ID# _____
 City Oakland Zip 94607 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
 Hazardous Waste generated per month?

- Inspection Categories:**
- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
 - II. Business Plans, Acute Hazardous Materials
 - III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

- I.A. GENERATOR (Title 22)**
- 1. Waste ID 66471
 - 2. EPA ID 66472
 - 3. > 90 days 66508
 - 4. Label dates 66508
 - 5. Biennial 66493
-
- Manifest**
- 6. Records 66492
 - 7. Correct 66484
 - 8. Copy sent 66492
 - 9. Exception 66484
 - 10. Copies Rec'd 66492
-
- Misc.**
- 11. Treatment 66371
 - 12. On-site Disp. (H.S.&C.) 26189.5
 - 13. Ex Haz. Waste 66570
-
- Prevention**
- 14. Communications 67121
 - 15. Aisle Space 67124
 - 16. Local Authority 67126
 - 17. Maintenance 67120
 - 18. Training 67105
-
- Confin. gency**
- 19. Prepared 67140
 - 20. Name List 67141
 - 21. Copies 67141
 - 22. Emg. Coord. Tmg. 67144
-
- Containers, Tanks**
- 23. Condition 67241
 - 24. Compatibility 67242
 - 25. Maintenance 67243
 - 26. Inspection 67244
 - 27. Buffer Zone 67246
 - 28. Tank Inspection 67259
 - 29. Containment 67245
 - 30. Safe Storage 67261
 - 31. Freeboard 67257

Comments:
 1. 10% - LFL 5%. O.D. onsite
 2. 14ST is below sidewalk. Manifest # 92219745. Received 1/30/91
 3. 11ST: 4 containers in area for 11ST. Located inside building. 11ST is storage
 4. 11ST is not sealed. There is a trace
 5. in - could be from 11ST or other from
 6. filled in 11ST area. 11ST is not
 7. sealed. Be 11ST area. 11ST is not
 8. sealed. 11ST is not sealed. 11ST is not
 9. sealed. 11ST is not sealed. 11ST is not
 10. sealed. 11ST is not sealed. 11ST is not
 11. sealed. 11ST is not sealed. 11ST is not
 12. sealed. 11ST is not sealed. 11ST is not
 13. sealed. 11ST is not sealed. 11ST is not
 14. sealed. 11ST is not sealed. 11ST is not
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 17. sealed. 11ST is not sealed. 11ST is not
 18. sealed. 11ST is not sealed. 11ST is not
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 24. sealed. 11ST is not sealed. 11ST is not
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 26. sealed. 11ST is not sealed. 11ST is not
 27. sealed. 11ST is not sealed. 11ST is not
 28. sealed. 11ST is not sealed. 11ST is not
 29. sealed. 11ST is not sealed. 11ST is not
 30. sealed. 11ST is not sealed. 11ST is not
 31. sealed. 11ST is not sealed. 11ST is not

- I.B. TRANSPORTER (Title 22)**
- 32. Applic. Insurance 66428
 - 33. Comp. Cert / CHP insp 66448
 - 34. Containers 66465
-
- Manifest**
- 35. Vehicles 66465
 - 36. EPA ID #s 66531
 - 37. Correct 66541
 - 38. HW Delivery 66543
 - 39. Records 66544
-
- Confin.**
- 40. Name / Covers 66545
 - 41. Recyclables 66800

Rev 5/88

Contact: _____
 Title: _____
 Signature: _____

Inspector: _____
 Signature: _____

CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS
 DIVISION OF OCCUPATIONAL SAFETY AND HEALTH
 HAZARDOUS WASTE CONTROL SECTION

Form 100
 (6/85)

Site ID: _____
 Site Address: _____
 City: _____ Phone: _____

MAX Amt. Stored: > 500 lbs. / 2000 gal.
 Hazardous Waste generated per month: _____

Regulation Code: _____
 I. Haz. Mat. Waste GENERATOR/TRANSPORTER
 II. Business Plans Acute Hazardous Material
 III. Underground Tank

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HSC)

GENERATOR (Title 22)

- 1. Waste ID 66471
- 2. EPA ID 66472
- 3. > 90 days 66508
- 4. Label dates 66508
- 5. Biennial 66493

- 6. Records 66492
- 7. Correct 66484
- 8. Copy sent 66492
- 9. Exception 66484
- 10. Copies Rec'd 66492

- 11. Treatment 66371
- 12. On-site Disp. (H.S. & C) 26189.5
- 13. Ex Haz. Waste 66570

- 14. Communications 67121
- 15. Aisle Space 67124
- 16. Local Authority 67126
- 17. Maintenance 67120
- 18. Training 67105

- 19. Prepared 67140
- 20. Name List 67141
- 21. Copies 67141
- 22. Emg. Coord. Trng. 67144

- 23. Condition 67241
- 24. Compatibility 67242
- 25. Maintenance 67243
- 26. Inspection 67244
- 27. Buffer Zone 67246
- 28. Tank Inspection 67259
- 29. Containment 67245
- 30. Safe Storage 67251
- 31. Freeboard 67257

LB. TRANSPORTER (Title 22)

- 32. Appr. Insurance 66425
- 33. Comp. Cert./CHP Insp. 66448
- 34. Contain. 66465

- 35. Vehicles 66525
- 36. EPA ID #s 66530
- 37. Correct 66541
- 38. HW Delivery 66543
- 39. Records 66544

- 40. Name/Covers 66545
- 41. Recyclables 66800

Comments:	
Manifest	① ② ③ ④
Misc	⑤
Prevention	⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲
Contain. Tanks	⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿
Manifest	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲
Manifest	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲

Analyse for TPH by T.E.X.

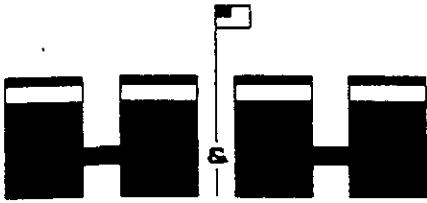
Contact: T.P.E.
 Title: Civil Engineer
 Signature: [Signature]

Inspector: [Signature]
 Signature: [Signature]

9221y/45
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. C A C 0 0 0 9 7 0 2 8 0		Manifest Document No. 0 0 0 0 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address FRANK'S TIRE SERVICE 2800 Goodrich Street, Richmond, CA: 94801				A. State Manifest Document Number 92219745		B. State Generator's ID					
4. Generator's Phone (510) 233-8473				6. US EPA ID Number		C. State Transporter's ID 02013					
5. Transporter 1 Company Name H & H SHIP SERVICE COMPANY		C A D 0 0 4 7 7 1 1 6 8		7. Transporter 2 Company Name		8. US EPA ID Number					
9. Designated Facility Name and Site Address H & H Ship Service Company 220 China Basin Street San Francisco, CA. 94107				10. US EPA ID Number C A D 0 0 4 7 7 1 1 6 8		D. State Facility ID 45-35					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) RESIDUE GASOLINE TANK NON-RCRA HAZARDOUS WASTE SOLID				12. Containers		13. Total Quantity		14. Unit Wt/Vol			
				No.		Type		Quantity		Wt/Vol	
				0 0 1		T P		0 0 5 0 0		P	
				b.							
				c.							
15. Special Handling Instructions and Additional Information JOB #13686 24 Hr. Emergency Contact: H & H #(415) 543-4835 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR				16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws. 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: THOMAS FRIZZIE ON BEHALF OF Signature: <i>Thomas Frizzie</i>				18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: MARTIN COSTELLO Signature: <i>Martin Costello</i>		Month Day Year 1 1 2 3 9 3		Month Day Year 1 1 2 3 9 3			
9. Discrepancy Indication Space											
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 9 Printed/Typed Name: J. H. Pearson Signature: <i>J. H. Pearson</i>						Month Day Year 1 1 2 3 9 3					

DO NOT WRITE BELOW THIS LINE



ENVIRONMENTAL SERVICES
 (DIVISION OF H&H SHIP SERVICE CO., INC.)

220 CHINA BASIN, SAN FRANCISCO, CA 94107 • DAY AND NIGHT: (415) 543-4835 FAX (415) 543-8265

CERTIFICATE OF DISPOSAL

NOVEMBER 29, 1993

H&H Ship Service Company hereby certifies to TANK PROTECT
ENGINEERING

1. The storage tank(s), size(s) ONE (1) 500 GALS.

removed from the FRANK'S TIRE SERVICE
 facility at 1115 - 21ST STREET
OAKLAND, CALIFORNIA

were transported to H&H Ship Service Company, 220 China Basin St., San Francisco, California 94107.

2. The following tank(s), H&H Job Number 13686

have been steam cleaned, cut with approximately 2' X 2' holes, rendered harmless and disposed of as scrap metal.

3. Disposal site: SCHNITZER STEEL, OAKLAND, CALIFORNIA.

4. The foregoing method of destruction/disposal is suitable for the materials involved, and fully complies with all applicable regulatory and permit requirements.

5. Should you require further information, please call (415) 543-4835 or (415) 905-5510.

Very Truly Yours,


 Lourdes B. Lopez
 Operations Coordinator

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 1 <u>1</u> <u>1</u> <u>3</u> <u>0</u> <u>9</u> <u>3</u>			CASE #		
NAME OF INDIVIDUAL FILING REPORT Lyle Travis		PHONE (510) 429-8088		SIGNATURE <i>Lyle Travis</i>	
REPORTED BY	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		<input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD		COMPANY OR AGENCY NAME Tank Protect Engineering of Northern California, Inc.
	ADDRESS 2821 Whipple Road Union City, CA 94587				
RESPONSIBLE PARTY	NAME Franks Tire Service		CONTACT PERSON Frank Frizzie		PHONE (510) 233-8473
	ADDRESS P.O. Box 21495 El Sobrante, CA 94820				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Frank's Tire Service		OPERATOR Frank Frizzie		PHONE (510) 233-8473
	ADDRESS 1115 21st Street Oakland, Alameda 94607				
IMPLICATING AGENCIES	LOCAL AGENCY Alameda County Health Care Servs. Agency		CONTACT PERSON Jennifer Eberle		PHONE (510) 271-4320
	REGIONAL BOARD CRWOCB - San Francisco Bay Region				
SUBSTANCES INVOLVED	(1) NAME Petroleum Hydrocarbons - see below				QUANTITY LOST (GALLONS) <input type="checkbox"/> UNKNOWN
	(2)				<input type="checkbox"/> UNKNOWN
DISCOVERY/ABATEMENT	DATE DISCOVERED 1 <u>1</u> <u>1</u> <u>2</u> <u>3</u> <u>9</u> <u>3</u>		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL		<input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS
	DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER		
SOURCE/ CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER		
	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SO ₂ ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	<input type="checkbox"/> NO ACTION TAKEN		<input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED		<input type="checkbox"/> POLLUTION CHARACTERIZATION
	<input type="checkbox"/> LEAK BEING CONFIRMED		<input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY		<input type="checkbox"/> POST-CLEANUP MONITORING IN PROGRESS
RECOMMENDED ACTIONS	<input type="checkbox"/> REMEDIAL ACTION PLAN		<input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY)		<input type="checkbox"/> CLEANUP UNDERWAY
	CHECK APPROPRIATE ACTIONS (SEE BACK FOR DETAILS)		<input type="checkbox"/> EXCAVATE & DISPOSE (D) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO-DEGRADATION <input type="checkbox"/> CAP SITE (CC) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (H) <input type="checkbox"/> VENT SO ₂ (VS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT)		

Removed one 500-gallon gasoline underground storage tank.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST AGENCY DIRECTOR

April 18, 1994
STID 4619

Frank & Don Frizzie
2800 Goodrick Ave.
Richmond CA 94801

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

RE: Frank's Tire Service, 1115-21st St., Oakland CA 94607

Dear Frank & Don Frizzie,

As you know, a 500-gallon Underground Storage Tank (UST) was removed from this site on 11/23/93. The UST was rusted and had a crack on the seam where the side met the bottom. One soil sample was collected below the UST. Laboratory results from this sample document 630 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPH-g) and 0.6 ppm benzene.

Since this contamination remains in the excavation, we request that you remediate this condition within 30 days or by May 18, 1994. During a conversation with Lee Huckins of Tank Protect Engineering (TPE) on 1/24/94, I agreed with his proposal to overexcavate and resample without having to submit a workplan, in order to keep costs low. I have not heard from TPE or yourself since that time. On 4/13/94, I phoned TPE and was told that work has not proceeded. I also visited the site and confirmed that this was the case.

In addition, we request that you submit a UST Closure Report to this office within 15 days or by May 3, 1994. This report was due within 60 days of UST removal, or by 1/23/94, as was stipulated in the UST Closure Plan which you signed on 10/14/93. We can discuss what exactly is needed in this report.

In addition, the stockpiled soils must be properly disposed. There were low concentrations of petroleum hydrocarbons in one of the two soil samples collected from the stockpiled soils. It is possible that these low concentrations have dissipated via aeration. This can be confirmed with resampling. If this soil is clean, it can be reused in the excavation.

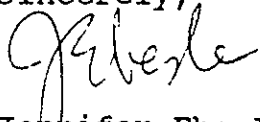
Please note that there are state funds available to reimburse you for the costs of remediation. I have enclosed information. The state usually requires the selection of the lowest of 3 bids for each stage of remediation. If you have questions concerning this reimbursement fund, please contact Christopher Stevens of the State Water Resources Control Board (SWRCB) at 916-227-4519 or Jim Munch at 916-227-4430.

April 14, 1994
STID 4619
Frank & Don Frizzie
page 2 of 2

Kindly submit a cover letter with your consultant's reports. If you have any questions, please contact me at 510-271-4530.

Please notify me at least 2 business days in advance of field activities so that I may arrange to be onsite.

Sincerely,



Jennifer Eberle
Hazardous Materials Specialist

cc: Lee Huckins, Tank Protect Engineering, 2821 Whipple Rd.,
Union City CA 94587
Ed Howell/file

je
attachment

APPENDIX B

SAMPLE HANDLING PROCEDURES

APPENDIX B

SAMPLE HANDLING PROCEDURES

Soil and groundwater samples will be packaged carefully to avoid breakage or contamination, and will be delivered to the laboratory in an iced-cooler. The following sample packaging requirements will be followed.

- . Sample bottle/sleeve lids will not be mixed. All sample lids will stay with the original containers and have custody seals affixed to them.
- . Samples will be secured in coolers to maintain custody, control temperature, and prevent breakage during transportation to the laboratory.
- . A chain-of-custody form will be completed for all samples and accompany the sample cooler to the laboratory.
- . Ice, blue ice, or dry ice (dry ice will be used for preserving soil samples collected for the Alameda County Water District) will be used to cool samples during transport to the laboratory.
- . Each sample will be identified by affixing a pressure sensitive, gummed label, or standardized tag on the container(s). This label will contain the site identification, sample identification number, date and time of sample collection, and the collector's initials.
- . Soil samples collected in brass tubes will be preserved by covering the ends with Teflon tape and capped with plastic end-caps. The tubes will be labeled, sealed in quart size bags, and placed in an iced-cooler for transport to the laboratory.

All groundwater sample containers will be precleaned and will be obtained from a State Department of Health Services certified analytical laboratory.

Sample Control/Chain-of-Custody: All field personnel will refer to this workplan to verify the methods to be employed during sample collection. All sample gathering activities will be recorded in the site file; all sample transfers will be documented in the chain-of-custody; samples are to be identified with labels and all sample bottles are to be custody-sealed. All information is to be recorded in waterproof ink. All TPE field personnel are personally responsible for sample collection and the care and custody of collected samples until the samples are transferred or properly dispatched.

The custody record will be completed by the field technician or professional who has been designated by the TPE project manager as being responsible for sample shipment to the appropriate laboratory. The custody record will include, among other things, the following information: site identification, name of person collecting the samples, date and time samples were collected, type of sampling conducted (composite/grab), location of sampling station, number and type of containers used, and signature of the TPE person relinquishing samples to a non-TPE person with the date and time of transfer noted. The relinquishing individual will also put all the specific shipping data on the custody record.

Records will be maintained by a designated TPE field employee for each sample, site identification, sampling locations, station numbers, dates, times, sampler's name, designation of the samples as a grab or composite, notation of the type of sample (e.g. groundwater, soil boring, etc.), preservatives used, on-site measurement data, and other observations or remarks.

APPENDIX C

CERTIFIED ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY DOCUMENTATION

1/15/04 BSC / ELAP
→ 1/98 out of certification



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

November 29, 1993

PEL # 9311075

TANK PROTECT ENGINEERING, INC.

Attn: Jeff

Re: Three soil samples for Gasoline/BTEX analysis.

Project name: Franks Tire Service

Project location: 1115 21st St.- Oakland, CA.

Project number: 293A-112393

Date sampled: Nov 23, 1993

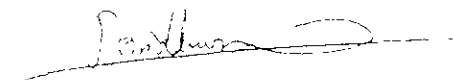
Date submitted: Nov 24, 1993

Date extracted: Nov 24-25, 1993

Date analyzed: Nov 24-25, 1993

RESULTS:

SAMPLE I.D.	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
BP-1	630	600	770	940	2500
SP-1	N.D.	N.D.	N.D.	N.D.	N.D.
SP-2	22	21	27	33	85
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	92.0%	90.2%	91.7%	89.6%	100.3%
Duplicate Spiked Recovery	94.9%	94.5%	93.2%	96.2%	104.1%
Detection limit	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030/ 8015	8020	8020	8020	8020


David Duong
Laboratory Director



PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

November 29, 1993

PEL # 9311075

TANK PROTECT ENGINEERING, INC.

Attn: Jeff

Re: Three soil samples for total Lead analysis.

Project name: Franks Tire Services

Project location: 1115 21st St., - Oakland, CA.

Project number: 293A-112393

Date sampled: Nov 23, 1993

Date submitted: Nov 24, 1993

Date extracted: Nov 24-26, 1993

Date analyzed: Nov 24-26, 1993

RESULTS:

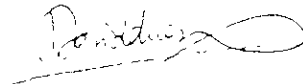
SAMPLE I.D.	Lead (mg/Kg)
----------------	-----------------

BP-1	6.6
SP-1	7.0
SP-2	3.2

Blank	N.D.
-------	------

Detection limit	1.0
-----------------	-----

Method of Analysis	7420
-----------------------	------


David Duong
Laboratory Director



TANK PROTECT ENGINEERING

2021 WHIPPLE ROAD
 UNION CITY, CA 94587
 (415) 429-8088
 (800) 523-8088
 FAX (415) 429-8089

PEL # 9311075

INV # 24233

LAB: PRIORITY

TURNAROUND: NORMAL

P.O. #: 765

PAGE 1 OF 1

CHAIN OF CUSTODY

PROJECT NO. 293A-112393		SITE NAME & ADDRESS FRANKS FIRE SERVICE 1115 21st STREET OAKLAND, CA				(1) TYPE OF CON- TAINER	ANALYTES REQUESTED	TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	FOC SCAN (624's)	OTHER TOTAL LEAD	REMARKS	
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER LYLE TRAVIS Tank Protect ENGINEERING 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088															
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION										
BP-1	11/23/93	1:57	✓		BP-1 @ 9.5'	BRASS TUBE	✓	✓			✓				
SP-1	↓	2:07	✓		SP-1 @ 10'-1.5'	↓	✓	✓			✓				
SP-2	↓	2:15	✓		SP-2 @ 1.0'-1.5'	↓	✓	✓			✓				
Relinquished by : (Signature) <i>Lyle Travis</i>						Date / Time	Received by : (Signature) <i>[Signature]</i>						Date / Time	Received by : (Signature)	
Relinquished by : (Signature)						Date / Time	Relinquished by : (Signature) <i>[Signature]</i>						Date / Time	Received by : (Signature)	
Relinquished by : (Signature)						Date / Time	Received for Laboratory by (Signature) <i>PEL</i>		Date / Time	Remarks					

DATE: 11/23/93

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960
Facsimile (510) 783-1512



May 13, 1994

Mr. Jeff Farhoomand
Tank Protect Engineering
2821 Whipple Road
Union City, California 94587

Dear Mr. Farhoomand:

Trace Analysis Laboratory received nine soil samples on May 6, 1994 for your Project No. 293-050694, Frank's Tire Service, 1115 21st Street, Oakland (our custody log number 4390).

These samples were analyzed for Total Petroleum Hydrocarbons as Gasoline and Benzene, Toluene, Ethylbenzene, and Xylenes. Our analytical report and the completed chain of custody form are enclosed for your review.

Trace Analysis Laboratory is certified under the California Environmental Laboratory Accreditation Program. Our certification number is 1199.

If you should have any questions or require additional information, please call me.

Sincerely yours,

A handwritten signature in cursive script that reads "Scott T. Ferriman". The signature is written in dark ink and is positioned above the typed name.

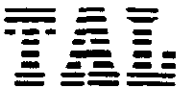
Scott T. Ferriman
Project Specialist

Enclosures

Trace Analysis Laboratory, Inc.

3423 Investment Boulevard, #8 • Hayward, California 94545

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LOG NUMBER: 4390
DATE SAMPLED: 05/06/94
DATE RECEIVED: 05/06/94
DATE EXTRACTED: 05/10/94
DATE ANALYZED: 05/11/94
DATE REPORTED: 05/13/94

CUSTOMER: Tank Protect Engineering
REQUESTER: Jeff Farhoomand
PROJECT: No. 293-050694, Frank's Tire Service, 1115 21st Street, Oakland

Sample Type: Soil

Method and Constituent:	Units	VSP-1		VSP-2		VSP-3	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	290,000 ✓	7,500	ND ✓	500	ND ✓	500
Modified EPA Method 8020 for:							
Benzene	ug/kg	2,800 ✓	150	ND ✓	5.0	ND ✓	5.0
Toluene	ug/kg	5,800	150	ND	5.0	ND	5.0
Ethylbenzene	ug/kg	6,000	150	ND	5.0	ND	5.0
Xylenes	ug/kg	38,000	450	ND	15	ND	15

Method and Constituent:	Units	VSP-4		VSP-5		Composite of STK-1, STK-2, STK-3, and STK-4	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/kg	ND	500	ND	500	5,100	500
Modified EPA Method 8020 for:							
Benzene	ug/kg	ND	5.0	ND	5.0	ND	7.0
Toluene	ug/kg	ND	5.0	ND	5.0	110	7.0
Ethylbenzene	ug/kg	ND	5.0	ND	5.0	130	7.0
Xylenes	ug/kg	ND	15	ND	15	830	21

Concentrations reported as ND were not detected at or above the reporting limit.

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 PAGE: Two


Sample Type: Soil

<u>Method and Constituent:</u>	<u>Units</u>	<u>Method Blank</u>	
		<u>Concen- tration</u>	<u>Reporting Limit</u>
DHS Method:			
Total Petroleum Hydro- carbons as Gasoline	ug/kg	ND	500
Modified EPA Method 8020 for:			
Benzene	ug/kg	ND	5.0
Toluene	ug/kg	ND	5.0
Ethylbenzene	ug/kg	ND	5.0
Xylenes	ug/kg	ND	15

QC Summary:

% Recovery: 94
 % RPD: 12

Concentrations reported as ND were not detected at or above the reporting limit.



 Louis W. DuPuis
 Quality Assurance/Quality Control Manager



2821 WHIPPLE ROAD
 UNION CITY, CA 94587
 (415) 429-8088
 (800) 523-8088
 FAX (415) 429-8089

LAB: JAL
 TURNAROUND: 5-Day
 P.O. #: 833

CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS					(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS		
293050694		Franks Tire Service 1115 21st Street Oakland						TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	POP SCAN (62's)	OTHER				
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER																	
Lee Huckins 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088																	
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION												
VSP-1	5/6	1210	X		10'		BRASS	X	X								
VSP-2	5/6	1226	X		10'		BRASS	X	X								
VSP-3	5/6	1231	X		11.0		BRASS	X	X								
VSP-4	5/6	1233	X		10'		BRASS	X	X								
VSP-5	5/6	1244	X		10.0		BRASS	X	X								
STK1-1	5/6	11:15	X		1.5-2.0		BRASS	X	X								} Composite into 1 sample
STK1-2	5/6	11:15	X		1.5-2.0		BRASS	X	X								
STK1-3	5/6	11:15	X		1.5-2.0		BRASS	X	X								
STK1-4	5/6	11:15	X		1.5-2.0		BRASS	X	X								
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)							
Lee Huckins		5-6-94 11:14															
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)							
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks									
				Scott Johnson		5/6/94 11:14											

f/u, soil, 1 BT each, 4-3, 5-Day

DATE: _____