



General Services Agency

Darlene A. Smith, Director

ST. JUL 13 AM 9:29

4400 MacArthur Boulevard
Oakland, California 94619
Telephone (510) 535-6209
FAX (510) 535-6225

July 11, 1994

Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Division of Hazardous Materials
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, California 94502-6577

SUBJECT: FINAL TANK CLOSURE REPORT FOR UNDERGROUND STORAGE TANK UST-2 AND ABOVE GROUND STORAGE TANK AGT-4 FOR STAPLES RANCH PROPERTY, EL CHARRO ROAD, PLEASANTON, CALIFORNIA

Dear Ms. Chu:

Per our July 11, 1994 telephone conversation, enclosed is one copy of the June 24, 1994 Final Tank Closure Report For Underground Storage Tank UST-2 and Above Ground Storage Tank AGT-4, Staples Ranch Property, El Charro Road, Pleasanton, California and the corresponding completed Underground Storage Tank Permit Application - Form A and Underground Storage Tank Permit Application - Form B. This report and forms were prepared by Environmental Science & Engineering, Inc. documenting the removal of three petroleum storage tanks, referred to as UST-2, AGT-4 and AGT-5, on April 26, 1994.

Please note Environmental Science & Engineering, Inc. is recommending the following:

- Further investigation not be performed involving UST-2 and AGT-4;
- The installation of monitoring wells and the monitoring of groundwater not be required for UST-2 and AGT-4; and
- Written closure for UST-2 and AGT-4 be granted.

Ms. Eva Chu
July 11, 1994
Page 2

Please note the impacted soil removed from the former AGT-4 site will be disposed of when the excavation of the former AGT-5 site occurs later this summer. Therefore, we plan no additional action concerning these two former storage tanks, UST-2 and AGT-4. We request that the Department of Environmental Health recommend closure as soon as possible for UST-2 and AGT-4.

Should you have any questions regarding this report or the Staples Ranch Property, please feel free to contact me at (510) 535-6277. Again, I want to thank you for your help, assistance and advice. Your continued cooperation is appreciated.

Sincerely,

ENGINEERING & ENVIRONMENTAL
MANAGEMENT DEPARTMENT



Andrew B. Garcia, REA

ABCatg:11ZM00606
93-5057 Bldg. #1262

enclosure

cc: Mr. Jay Carpenter, Environmental Science & Engineering, Inc. w/o
Mr. Jim P. de Vos, P.E. w/o



Environmental
Science &
Engineering, Inc.

ALAMEDA
HEALTH CARE SERVICES
AGENCY
JUN 13 1994

JUN 30 1994

June 24, 1994

Mr. Andrew B. Garcia, REA
Environmental Project Manager
County of Alameda
General Services Agency
Engineering and Environmental Management Department
4400 MacArthur Boulevard
Oakland, CA 94619

**SUBJECT: UST/AGT CLOSURE REPORT
STAPLES RANCH SITE
EL CHARRO ROAD
PLEASANTON, CALIFORNIA
ESE PROJECT NO. 6-94-5228**

Dear Mr. Garcia:

Environmental Science and Engineering, Inc. (ESE) is pleased to provide this closure report for the underground storage tank (UST) and aboveground storage tanks (AGT) formerly located at the subject facility. This report serves to document the legal removal and disposal of the UST and AGTs. ESE presents this report in accordance with Alameda County Health Care Services Agency (ACHCSA) UST/AGT Closure Permit requirements. The following information is submitted in support of this UST/AGT closure.

ESE was authorized by the Alameda County General Services Agency (GSA), to effect the removal of the UST and AGTs located at the subject facility (Figure 1 - Location Map) under Work Order No. 144-0-7054-00.

UST/AGT HISTORY

Located on Alameda County property was ~~one 500 gallon (3.5-foot diameter, 8-foot long) fuel UST adjacent to a barn~~ (UST-2) and one 250 gallon (2.5-foot diameter, 7-foot long) fuel oil AGT adjacent to a utility building (AGT-4) and ~~one 250 gallon (2.5-foot diameter, 7-foot long) diesel fuel AGT adjacent to a farm building~~ (AGT-5) (Figure 2 - Site Map). See attached Figure 3 UST-2 - Tank Plan and Sampling Locations and Figure 4 AGT-4 - Tank Plan and Sampling Locations. The UST and AGTs were constructed of single-wall, carbon-steel. The UST stored diesel fuel for vehicle use. AGT-4 stored fuel oil for a boiler located in a small utility building. AGT-5 was used to store diesel fuel for farm equipment.

UST CLOSURE ACTIVITIES

1. Permits for the UST removal were procured by ESE from ACHCSA and the Alameda County Fire Department (ACFD). Notification was sent to Bay Area Air Quality Management District (AQMD). Also, the State of California State Water Resources Control Board (WRCB) Forms A and B were completed and submitted. A copy of the cover sheet for the ACHCSA permit, ACFD permit, application forms A and B, AQMD notification are attached in Appendix A
2. On Tuesday, April 26, 1994, approximately 10 cubic yards of soil was excavated to free UST-2 from the excavation (Figure 3). This soil was temporarily stockpiled on plastic near the excavation. The product dispenser, product supply, and vent piping were removed.
3. The UST internal atmosphere was rendered inert by the addition of 50 pounds of dry ice. In the presence of Ms. Eva Chu of ACHCSA and Inspector Nick Chimento of ACFD, the diesel fuel UST-2 was lifted from the excavation and loaded onto a flatbed truck. UST-2 was inspected and found to be intact with no perforations or leaks observed. The UST and associated piping were manifested as hazardous waste, and transported to Erickson, Inc. of Richmond, California, a state-licensed TSDF. A copy of the UST manifest and certificate of destruction indicating final acceptance and disposal, are attached in Appendix B.
4. The final dimensions of UST-2 excavation was 11 feet by 6 feet by 7 feet in depth. UST-2 top was located 4 feet below ground surface (bgs). Soil within the excavation from the surface to 7 feet below grade consisted of a brown silty clay. Odors or staining of the soil surrounding the UST were not detected during field observations. No ground water was found during excavation.
5. On completion of the UST-2 removal, one soil sample (UST-2) was collected on April 26, 1994 by ESE personnel from the floor of the excavation. Sample collection was directed by the ACHCSA representative at the location shown on Figure 3. The sample was collected at a depth of 6.5 feet bgs in the middle of the UST-2 excavation. The soil sample was collected from the backhoe bucket in a clean 2-inch diameter brass ring. The ring was driven into native soil until filled. The brass sampling ring ends were covered with Teflon sheets, plastic end caps and sealed with duct tape.

Additionally one four point composite sample, designated SP-1, was collected from the UST-2 soil stockpile (approximately 10 cubic yards). All samples were collected under the direction of the ACHCSA representative with the samples being sealed in the same manner as stated above. These samples were placed in a cooler with ice and transported to McCampbell Analytical, Inc. a California Department of Health Services certified analytical laboratory. The samples were analyzed by the following methods:

Mr. Andrew Garcia/GSA
June 24, 1994
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- EPA Method 8015M for total petroleum hydrocarbons as diesel (TPH-d);
 - EPA Method 8015M for total petroleum hydrocarbons as Gasoline (TPH-g) and;
 - EPA Method 8020 for benzene, toluene, ethylbenzene, and xylenes (BTEX).
6. Analysis of the soil sample, UST-2, collected from the excavation floor indicated that TPH-d, TPH-g and BTEX were not detectable at reporting limits of 10 milligrams per Kilogram (mg/Kg) and 0.005 mg/Kg, respectively.

The analysis of the four point composite sample, SP-1, from the soil stockpile indicated that concentrations of TPH-d, TPH-g and BTEX were not detected. Copies of laboratory reports and chain of custody documentation are attached in Appendix C.

7. The UST excavation was backfilled on May 25, 1994 using stockpiled soils and imported fill material. Fill material was placed in shallow lifts and mechanically compacted. The area was graded to match the ground surface.

AGT CLOSURE ACTIVITIES

1. The internal atmospheres in AGT-4 and AGT-5 were rendered inert by the addition of 20 pounds of dry ice in each. In the presence of Ms. Eva Chu of ACHCSA and Inspector Nick Chimento of ACFD, the AGTs were lifted from their stands and loaded onto a flatbed truck. The AGTs were inspected and found to be intact with no perforations or leaks observed. The AGTs were manifested as hazardous waste, and transported to Erickson, Inc. of Richmond, California, a state-licensed TSDF. A copy of the AGT manifests and certificates of destruction indicating final acceptance and disposal, are also attached in Appendix B.
5. On completion of the AGT removals, one soil sample (AGT-4) was collected on April 26, 1994 by ESE personnel from approximately two feet bgs directly below AGT-4. Sample collection was directed by the ACHCSA representative at locations shown on Figure 4. The sample was collected directly below the area of the product supply line. The soil sample was collected in a clean 2-inch diameter brass ring. The ring was driven into native soil until filled. The brass sampling ring ends were covered with Teflon sheets, plastic end caps and sealed with duct tape.

Ms. Eva Chu of ACHCSA did not require a soil sample be collected at the location of AGT-5 because of further site assessment work to be performed in this location.

Mr. Andrew Garcia/GSA

June 24, 1994

page 4

There were obvious odors and staining observed in the soil below AGT-4 during sample collection. Therefore approximately five cubic yards of soil was excavated in an attempt to remove visually impacted soil. The excavated soil was stockpiled on plastic sheeting adjacent to the UST stockpile. One soil sample (SP-2) was collected from the stockpile.

All samples were collected under the direction of the ACHCSA representative with the with the samples being sealed in the same manner as stated above. These samples were placed in a cooler with ice and transported to McCampbell Analytical, Inc. a California Department of Health Services certified analytical laboratory. The samples were analyzed by the following methods:

- EPA Method 8015M for total petroleum hydrocarbons as fuel oil (TPH-fo);
- EPA Method 8015M for total petroleum hydrocarbons as Gasoline (TPH-g) and;
- EPA Method 8020 for benzene, toluene, ethylbenzene, and xylenes (BTEX).

Analysis of the soil sample, AGT-4, collected from below AGT-4 indicated that TPH-fo was detected at a concentration of 1,100 mg/Kg and TPH-g was detected at a concentration of 2.5 mg/Kg and BTEX was not detected.

Analysis of the soil sample, SP-2, collected from the AGT-4 stockpile indicated that TPH-fo was detected at a concentration of 23,000 mg/Kg and TPH-g was detected at a concentration of 100 mg/Kg. Benzene, toluene, and ethylbenzene were not detected and xylenes were detected at a concentration of 0.015 mg/Kg.

7. On May 25, 1994 approximately 15 cubic yards of soil was removed from beneath the area of AGT-4. The soil was excavated based on visual and olfactory observations. The excavated soil was stockpiled on plastic sheeting. Two soil samples were collected from the floor of the excavation (AGT-S-6' and AGT-N-6'). See Figure 4. Analysis of the soil samples collected from beneath AGT-4 indicated TPH-d, TPH-g, and BTEX were not detectable at reporting limits of 10 mg/Kg and 0.005 mg/Kg, respectively. Thus, the impacted soil beneath AGT-4 was excavated and stockpiled.

The analysis of the four point composite sample, STP-3, from the AGT-4 soil stockpile indicated that TPH-d was detected at a concentration of 3,300 mg/Kg, TPH-g was detected at a concentration of 30 mg/Kg. Benzene and toluene were not detected and ethylbenzene was detected at a concentration of 0.009 mg/Kg and xylenes were detected at concentrations of 0.057 mg/Kg. Copies of laboratory reports and chain of custody documentation are also attached in Appendix C.

8. The AGT-4 excavation was backfilled on May 25, 1994 using imported fill material. Fill material was placed in shallow lifts and mechanically compacted. The area was graded to match the ground surface.

Mr. Andrew Garcia/GSA
June 24, 1994
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RECOMMENDATIONS

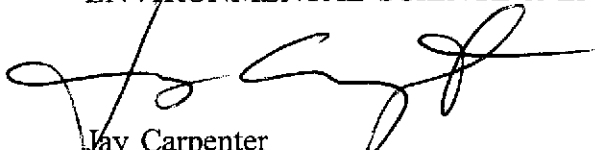
Analytical results of soil samples collected beneath the UST-2 and from the UST-2 soil stockpile indicate that TPH-d, TPH-g and BTEX were not detected.

Initial analytical results of the soil sample collected beneath AGT-4 indicated concentrations of TPH-fo and TPH-g, however soil samples collected after additional excavation was accomplished indicated that TPH-d, TPH-g, and BTEX were not detected.

ESE recommends that further investigation not be performed involving UST-2 and AGT-4, also that the installation and monitoring of groundwater not be required. A written closure of UST-2 and AGT-4 be granted by ACHCSA. Please forward two copies of this report to the ACHCSA.

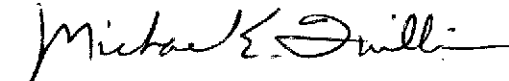
ESE appreciates the opportunity to perform this scope of work. Please contact Jay Carpenter at (510) 685-4053 with any questions regarding this project.

Sincerely,
ENVIRONMENTAL SCIENCE & ENGINEERING, INC.

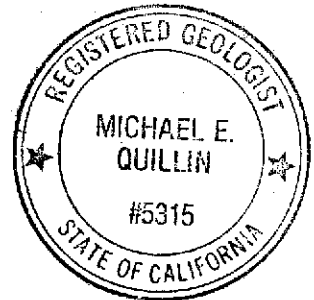


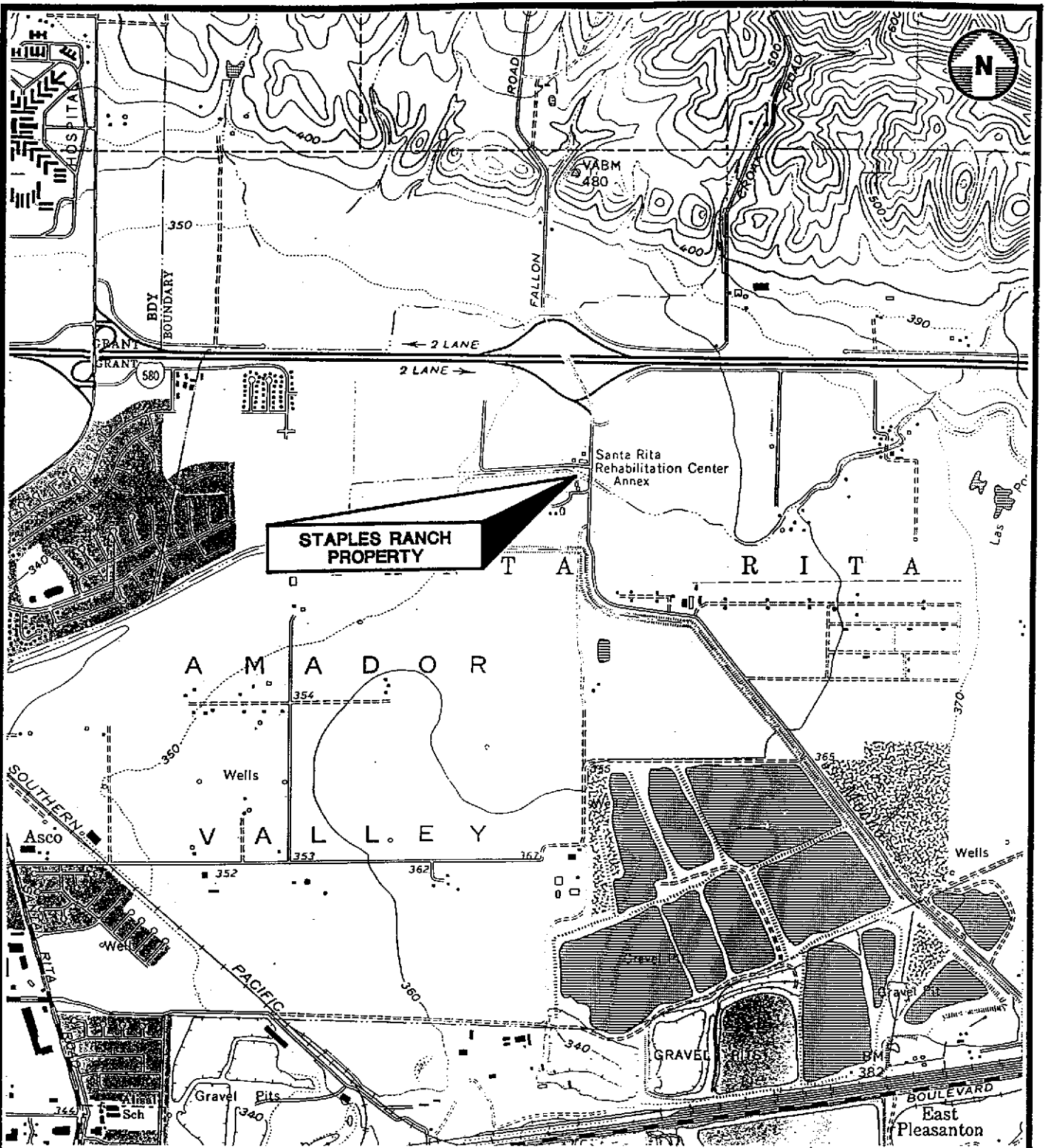
Jay Carpenter
Construction Manager

Attachments

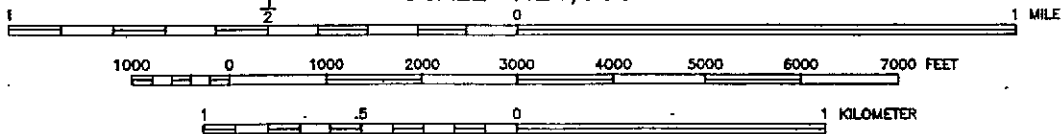


Michael E. Quillin, RG 5315
Senior Geologist





SCALE 1:24,000



ADAPTED FROM U.S.G.S. LIVERMORE, CALIFORNIA 7.5 MINUTE TOPOGRAPHIC QUADRANGLE MAP, 1961, PHOTOREVISED 1980.



**Environmental
Science &
Engineering, Inc.**

DATE

4/94

REVISED

CAD FILE

52281001

LOCATION MAP

FIGURE NO.

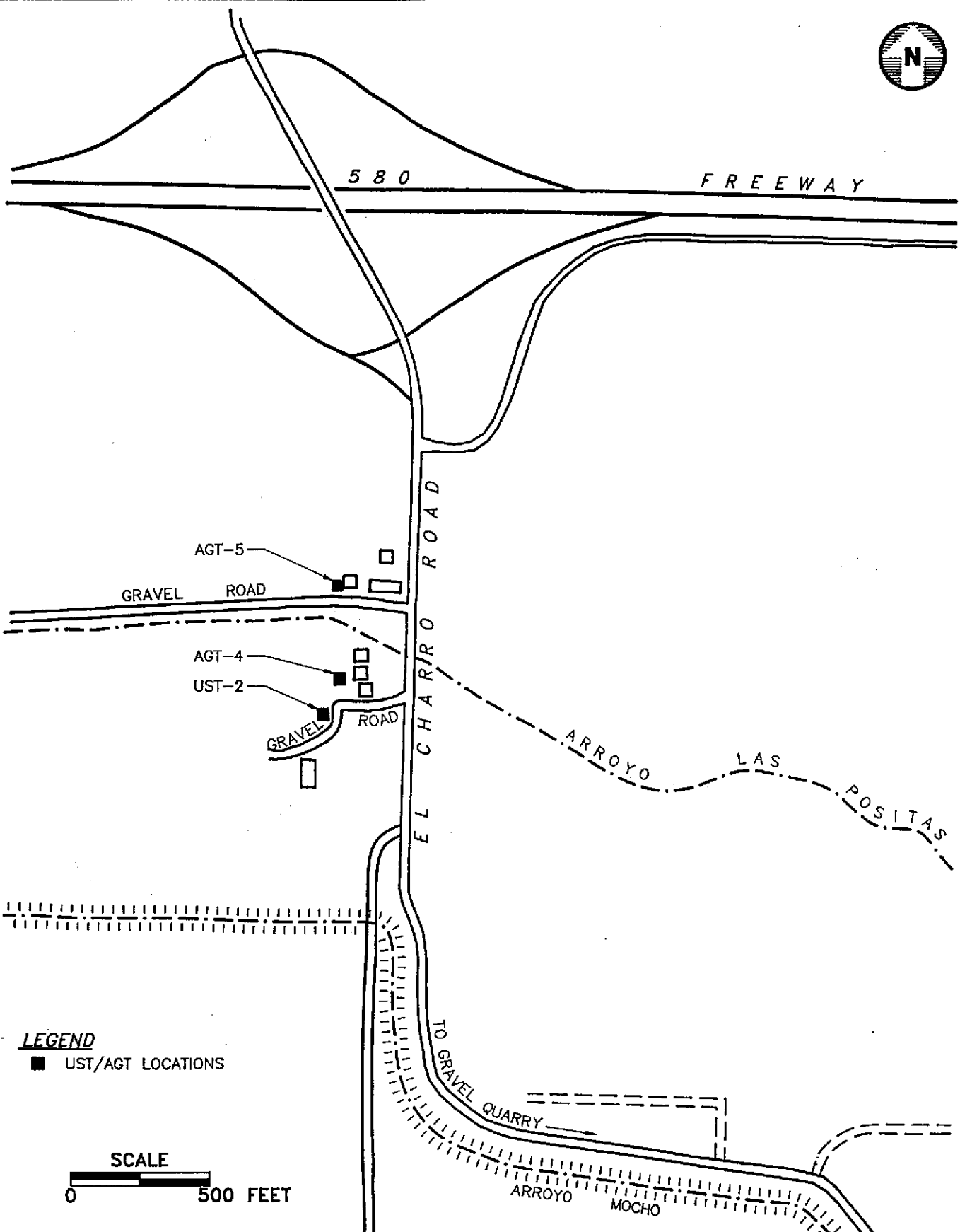
1

4090 NELSON AVENUE, SUITE J
CONCORD, CA 94520

ALAMEDA COUNTY GENERAL SERVICES AGENCY
STAPLES RANCH PROPERTY
EL CHARRO ROAD, PLEASANTON, CALIFORNIA

PROJ. NO.

6-94-5228



LEGEND

■ UST/AGT LOCATIONS



**Environmental
Science &
Engineering, Inc.**

4090 NELSON AVENUE, SUITE J
CONCORD, CA 94520

DATE
4/94

REVISED

CAD FILE
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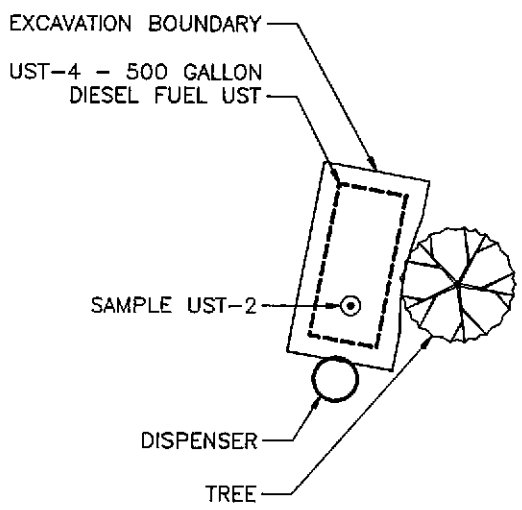
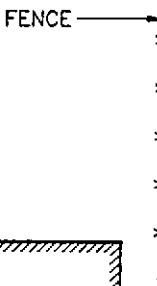
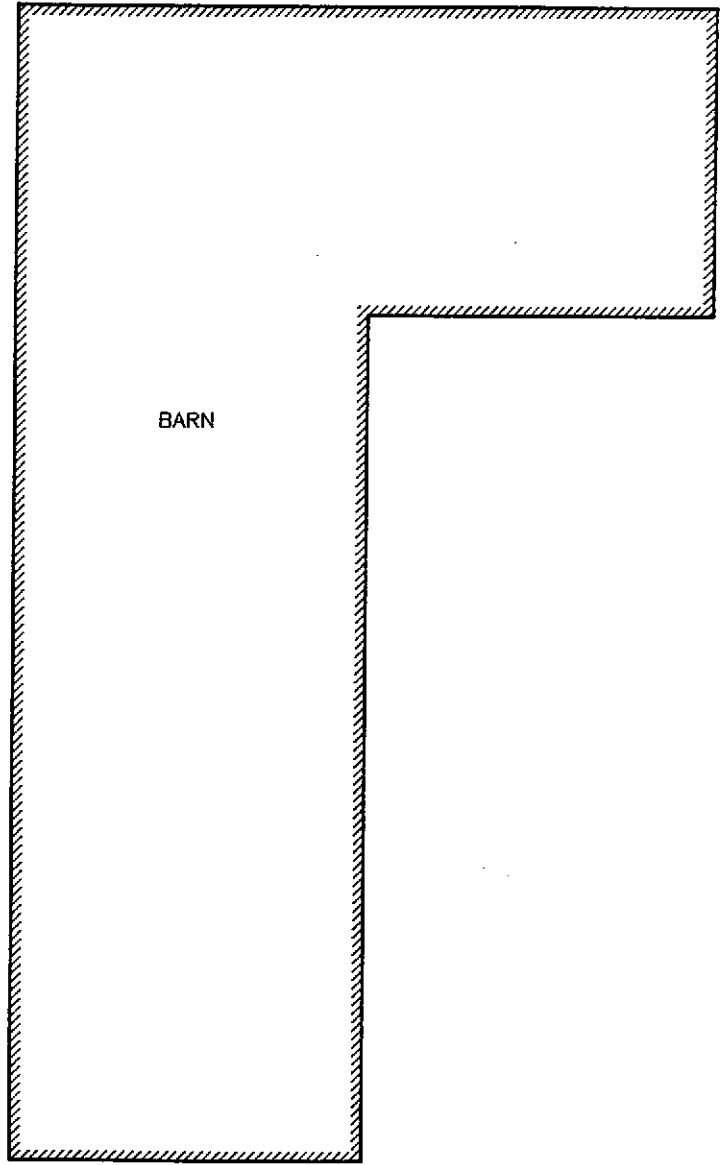
SITE MAP

ALAMEDA COUNTY GENERAL SERVICES AGENCY
STAPLES RANCH PROPERTY
EL CHARRO ROAD, PLEASANTON, CALIFORNIA

FIGURE NO.

2

PROJ. NO.
6-94-5228



**Environmental
Science &
Engineering, Inc.**

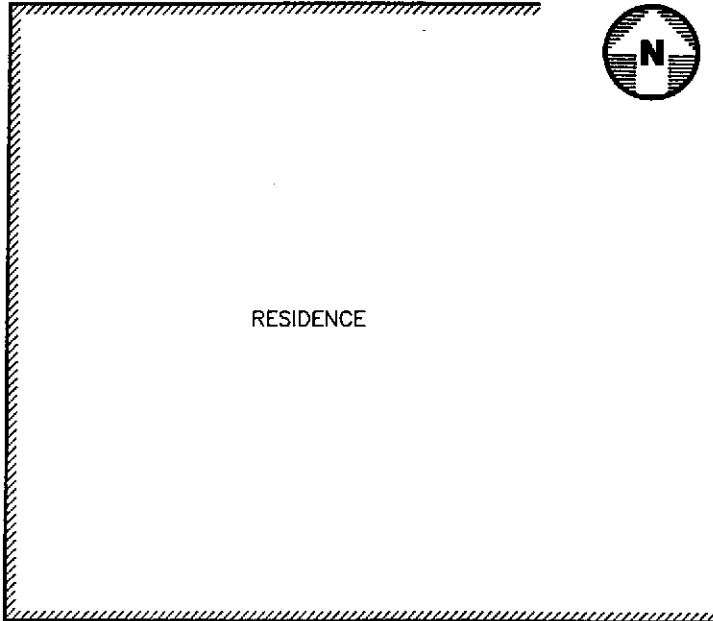
4090 NELSON AVENUE, SUITE J
CONCORD, CA 94520

DATE
6/94
REVISED
CAD FILE
52281007

**UST-2 TANK PLAN AND
SAMPLING LOCATIONS**

ALAMEDA COUNTY GENERAL SERVICES AGENCY
STAPLES RANCH PROPERTY
EL CHARRO ROAD, PLEASANTON, CALIFORNIA

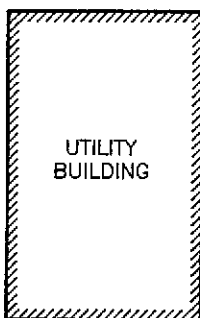
FIGURE NO.
3
PROJ. NO.
6-94-5228



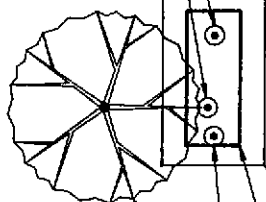
RESIDENCE

SAMPLE AGT-N-6'

SAMPLE AGT-S-6'



UTILITY BUILDING



OVEREXCAVATION BOUNDARY

AGT-4 - 250 GALLON ABOVE GROUND FUEL OIL STORAGE TANK

SAMPLE AGT-4-2'

TREE



BARN



SCALE

0 10 FEET



Environmental Science & Engineering, Inc.

4090 NELSON AVENUE, SUITE J
CONCORD, CA 94520

DATE

6/94

REVISED

CAD FILE

52281008

AGT-4 TANK PLAN AND SAMPLING LOCATIONS

ALAMEDA COUNTY GENERAL SERVICES AGENCY
STAPLES RANCH PROPERTY
EL CHARRO ROAD, PLEASANTON, CALIFORNIA

FIGURE NO.

4

PROJ. NO.

6-94-5228

APPENDIX A
PERMIT APPLICATIONS

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

usadhu 4/18/84
Note changes (additions in RED)

ACCEPTED
DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction.
One copy of these accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.
Any changes or alterations of these plans and specifications must be submitted to this Department and to the Firm and Building Inspection Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

- Removal of Tank and Piping
 - Sampling
 - Final inspection
- Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

*** UNDERGROUND TANK CLOSURE PLAN ***
*** Complete according to attached instructions ***

1. Business Name Staples Ranch
Business Owner Alameda County General Services Agency
 2. Site Address El Charro Road
City Pleasanton Zip _____ Phone _____
 3. Mailing Address 4400 MacArthur Boulevard
City Oakland, CA Zip 94619 Phone (510) 535-6280
 4. Land Owner Alameda County General Services Agency
Address 4400 MacArthur City, State Oakland, CA Zip 94619
 5. Generator name under which tank will be manifested _____
Alameda County General Services Agency
- EPA I.D. No. under which tank will be manifested CAL 000115950

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 Staples Ranch Today's Date 4/26/94
 Site Address El Charro Rd EPA ID# _____
 City Pleasanton Zip 94 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 Removal

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

A 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. Tmg. 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 67261
- 31. Freeboard 67257

Comments:

Nick Chimento - ACFD.
1 diesel UST ~ 575 gallons. UST was
at least 1000 did not receive pumping out of
residual
LEL 2% O₂ 0.9% Hauled by De Xanna
Corrosion / rust but no obvious holes
Brown, dry clay - no odor. Sampled at 6.6.5
X Analyze for TPH-D + BTEX
AST #1 by slack - home heating fuel
soil stained w/ST - 2000 gal approx 1/2'
Below? did not appear to have odor

LB TRANSPORTER (Title 22)

- 32. Applic./Insurance 66428
- 33. Comp. Cert./CHP Insp. 66448
- 34. Containers 66465
- 35. Vehicles 66466
- 36. EPA ID #s 66531
- 37. Correct 66541
- 38. HW Delivery 66543
- 39. Records 66544
- 40. Name/ Covers 66545
- 41. Recyclables 66800

Contact: _____

Title: Casey M...
 Signature: [Signature]

Inspector: FOR Chu
 Signature: [Signature]

ALAMEDA COUNTY FIRE DEPARTMENT

APPLICATION # 94-0420-16

FIRE DEPARTMENT/PLANS APPLICATION

FIRE MARSHAL'S OFFICE
1426 164th Avenue
San Leandro, CA 94578
510-670-5853 • FAX 510-276-5915

APPLICATION TYPE: _____ DATE REC'D: 4/20/94 BY: [Signature]
CATEGORY: _____

PROJECT INFORMATION

PROJECT ADDRESS: EL CHARRO RD CROSS STREET: 580 FREEWAY
CITY: PLEASANTON ZIP: _____ JOB PHONE: _____
APN #: _____ SDR #: _____ PM/TRACT MAP #: _____

DESCRIPTION OF WORK/ACTIVITY:
REMOVE 1 500 gal DIESEL UST & 2 250 gal. AST'S BUILDING PERMIT #: _____

APPLICANT

NAME: JAY CARPENTER PHONE # (H): (510) 676-5731 (WX) (510) 685-4053
ADDRESS: 4090 NELSON AVE STE J, CONCORD, CA ZIP: 94520

OWNER

NAME: ALAMEDA CO GARBAGE SERVICES PHONE # (H): _____ (WX) (510) 535-6280
ADDRESS: 4400 MACARTHUR BLVD, OAKLAND, CA ZIP: 94619

CONTRACTOR

NAME: RSI PHONE # (H): _____ (WX) (510) 685-4053
ADDRESS: 4090 NELSON AVE STE J, CONCORD, CA ZIP: 94520
CONTRACTOR'S LICENSE TYPE & NUMBER: GEN. A/HAZ 658022

APPLICANT TO FILL IN THESE SECTIONS

APPLICANT'S SIGNATURE: [Signature] DATE: 4/20/94

FOR OFFICE ONLY

FEES

Fees are due and payable by check or money order, made out to Alameda County Fire Department, upon submittal of plans and application. If additional fees are required, such shall be paid prior to issuance of a Certificate of Occupancy, project final, or a Fire Permit.

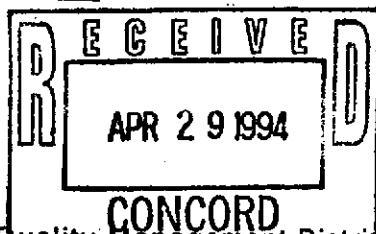
BASE FEE REQUIRED: \$ 160⁰⁰ REC'D BY: [Signature] DATE: 4/20/94
CONSULTANT'S FEE: \$ _____ REC'D BY: _____ DATE: _____
ADDITIONAL FEES: \$ _____ REC'D BY: _____ DATE: _____

APPROVALS

FIRE PERMIT #: _____ ISSUED DATE: _____ EXPIRATION DATE: _____
PERMIT ISSUED BY: _____ DATE: _____ FEE: _____
APPLICATION/PLANS APPROVAL: _____ BY: _____ DATE: _____

Acknowledgment

REGULATION 8, RULE 40
Aeration of Contaminated Soil and *Gross*
Removal of Underground Storage Tanks



Bay Area Air Quality Management District
acknowledges receipt of your Tank
Removal/Contaminated Soil Excavation
Notification Form received on

4/22/94 *Blg*

NOTIFICATION FORM

Removal or Replacement of Tanks
 Excavation of Contaminated Soil

LOCATION INFORMATION

HARBO ROAD
 _____ ZIP 94566
WAL SERVICES AGENCY
E. BUILDING
CONTAMINATED SOIL EXCAVATION
 ESTIMATED STARTUP DATE _____
 COSTS WILL BE COVERED? YES _____ NO _____
 PRIMARY METHOD OF AERATION (DESCRIBE BELOW):

 (MAY REQUIRE PERMIT)

CONTACT INFORMATION

CONTACT VAN CARPENTER
 ADDRESS 4040 WILSON AVE. SUITE 2 PHONE (510) 685-4053
 CITY, STATE, ZIP CONCORD, CA 94520

CONSULTANT INFORMATION
(IF APPLICABLE)

NAME SAME AS ABOVE CONTACT _____
 ADDRESS _____ PHONE () _____
 CITY, STATE, ZIP _____

FOR OFFICE USE ONLY

DATE RECEIVED FAX 4/22/94 BY Blg (init.)
 DATE POSTMARKED _____ BY _____ (init.)
 CC: INSPECTOR NO. 563 DATE 4/27/94 BY Blg (init.)
 UPDATE: CONTACT NAME _____ DATE _____ BY _____ (init.)
 BAAQMD # _____ DATA ENTRY 4/27/94

• See reverse for instructions

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A



COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME Staples Ranch		NAME OF OPERATOR Alameda County General Services Agency		
ADDRESS El Charro Road		NEAREST CROSS STREET 580 Freeway	PARCEL # (OPTIONAL)	
CITY NAME Pleasanton		STATE CA	ZIP CODE	SITE PHONE # WITH AREA CODE
<input checked="" type="checkbox"/> BOX TO INDICATE <input type="checkbox"/> CORPORATION <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> LOCAL-AGENCY DISTRICTS* <input checked="" type="checkbox"/> COUNTY-AGENCY* <input type="checkbox"/> STATE-AGENCY* <input type="checkbox"/> FEDERAL-AGENCY*				
* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST _____				
TYPE OF BUSINESS		<input type="checkbox"/> 1 GAS STATION	<input type="checkbox"/> 2 DISTRIBUTOR	<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS
		<input checked="" type="checkbox"/> 3 FARM	<input type="checkbox"/> 4 PROCESSOR	<input type="checkbox"/> 5 OTHER
		# OF TANKS AT SITE		E. P. A. I. D. # (optional)

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) Andrew Garcia		PHONE # WITH AREA CODE (510) 535-6277		DAYS: NAME (LAST, FIRST) Jim DeVos		PHONE # WITH AREA CODE (510) 535-6248	
NIGHTS: NAME (LAST, FIRST)		PHONE # WITH AREA CODE		NIGHTS: NAME (LAST, FIRST)		PHONE # WITH AREA CODE	

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME Alameda County General Services Agency		CARE OF ADDRESS INFORMATION Andrew Garcia		
MAILING OR STREET ADDRESS 4400 MacArthur Boulevard		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input checked="" type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME Oakland		STATE CA	ZIP CODE 94619	PHONE # WITH AREA CODE (510) 535-6277

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER Alameda County General Services Agency		CARE OF ADDRESS INFORMATION Andrew Garcia		
MAILING OR STREET ADDRESS 4400 MacArthur Boulevard		<input checked="" type="checkbox"/> box to indicate <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> LOCAL-AGENCY <input type="checkbox"/> STATE-AGENCY <input type="checkbox"/> CORPORATION <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> COUNTY-AGENCY <input type="checkbox"/> FEDERAL-AGENCY		
CITY NAME Oakland		STATE CA	ZIP CODE 94619	PHONE # WITH AREA CODE (510) 535-6277

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ **44**-

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

<input checked="" type="checkbox"/> box to indicate	<input type="checkbox"/> 1 SELF-INSURED	<input type="checkbox"/> 2 GUARANTEE	<input type="checkbox"/> 3 INSURANCE	<input type="checkbox"/> 4 SURETY BOND
	<input type="checkbox"/> 5 LETTER OF CREDIT	<input type="checkbox"/> 6 EXEMPTION	<input type="checkbox"/> 99 OTHER	

VI. LEGAL NOTIFICATION AND BILLING ADDRESS Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING:	I <input type="checkbox"/>	II <input type="checkbox"/>	III <input type="checkbox"/>
--	----------------------------	-----------------------------	------------------------------

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED)	OWNER'S TITLE	DATE MONTH/DAY/YEAR
---------------------------------	---------------	---------------------

LOCAL AGENCY USE ONLY

COUNTY # <input type="text"/> <input type="text"/>	JURISDICTION # <input type="text"/> <input type="text"/> <input type="text"/>	FACILITY # <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

**THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.
OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS**

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input type="checkbox"/> 7 PERMANENTLY CLOSED ON SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY TANK CLOSURE	<input checked="" type="checkbox"/> 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: _____

I. TANK DESCRIPTION COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # UST-2	B. MANUFACTURED BY: Unknown
C. DATE INSTALLED (MO/DAY/YEAR) Unknown	D. TANK CAPACITY IN GALLONS: 550

II. TANK CONTENTS IF A-1 IS MARKED, COMPLETE ITEM C.

A. <input checked="" type="checkbox"/> 1 MOTOR VEHICLE FUEL <input type="checkbox"/> 2 PETROLEUM <input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 4 OIL <input type="checkbox"/> 80 EMPTY <input type="checkbox"/> 95 UNKNOWN	B. <input type="checkbox"/> 1 PRODUCT <input type="checkbox"/> 2 WASTE	C. <input type="checkbox"/> 1a REGULAR UNLEADED <input type="checkbox"/> 1b PREMIUM UNLEADED <input type="checkbox"/> 2 LEADED <input checked="" type="checkbox"/> 3 DIESEL <input type="checkbox"/> 4 GASAHOL <input type="checkbox"/> 5 JET FUEL <input type="checkbox"/> 99 OTHER (DESCRIBE IN ITEM D. BELOW)	<input type="checkbox"/> 6 AVIATION GAS <input type="checkbox"/> 7 METHANOL
D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED _____				C. A. S. #: _____

III. TANK CONSTRUCTION MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM <input type="checkbox"/> 1 DOUBLE WALL <input checked="" type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER <input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER _____
B. TANK MATERIAL (Primary Tank) <input checked="" type="checkbox"/> 1 BARE STEEL <input type="checkbox"/> 5 CONCRETE <input type="checkbox"/> 9 BRONZE	<input type="checkbox"/> 2 STAINLESS STEEL <input type="checkbox"/> 6 POLYVINYL CHLORIDE <input type="checkbox"/> 10 GALVANIZED STEEL	<input type="checkbox"/> 3 FIBERGLASS <input type="checkbox"/> 7 ALUMINUM <input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 99 OTHER _____
C. INTERIOR LINING <input type="checkbox"/> 1 RUBBER LINED <input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 2 ALKYD LINING <input type="checkbox"/> 6 UNLINED	<input type="checkbox"/> 3 EPOXY LINING <input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 4 PHENOLIC LINING <input type="checkbox"/> 99 OTHER _____
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
D. CORROSION PROTECTION <input type="checkbox"/> 1 POLYETHYLENE WRAP <input type="checkbox"/> 5 CATHODIC PROTECTION	<input type="checkbox"/> 2 COATING <input checked="" type="checkbox"/> 91 NONE	<input type="checkbox"/> 3 VINYL WRAP <input type="checkbox"/> 95 UNKNOWN <input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC <input type="checkbox"/> 99 OTHER _____
E. SPILL AND OVERFILL SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____		

IV. PIPING INFORMATION CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE	A <input checked="" type="radio"/> 1 SUCTION	A U <input type="radio"/> 2 PRESSURE	A U <input type="radio"/> 3 GRAVITY	A U <input type="radio"/> 99 OTHER
B. CONSTRUCTION	A <input checked="" type="radio"/> 1 SINGLE WALL	A U <input type="radio"/> 2 DOUBLE WALL	A U <input type="radio"/> 3 LINED TRENCH	A U <input type="radio"/> 95 UNKNOWN A U <input type="radio"/> 99 OTHER
C. MATERIAL AND CORROSION PROTECTION	A <input checked="" type="radio"/> 1 BARE STEEL	A U <input type="radio"/> 2 STAINLESS STEEL	A U <input type="radio"/> 3 POLYVINYL CHLORIDE (PVC)	A U <input type="radio"/> 4 FIBERGLASS PIPE A U <input type="radio"/> 5 ALUMINUM A U <input type="radio"/> 6 CONCRETE A U <input type="radio"/> 7 STEEL W/ COATING A U <input type="radio"/> 8 100% METHANOL COMPATIBLE W/FRP A U <input type="radio"/> 9 GALVANIZED STEEL A U <input type="radio"/> 10 CATHODIC PROTECTION A U <input type="radio"/> 95 UNKNOWN A U <input type="radio"/> 99 OTHER
D. LEAK DETECTION	<input type="checkbox"/> 1 AUTOMATIC LINE LEAK DETECTOR	<input type="checkbox"/> 2 LINE TIGHTNESS TESTING	<input type="checkbox"/> 3 INTERSTITIAL MONITORING	<input type="checkbox"/> 99 OTHER

V. TANK LEAK DETECTION

<input type="checkbox"/> 1 VISUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VADOZE MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 TANK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input checked="" type="checkbox"/> 91 NONE	<input type="checkbox"/> 95 UNKNOWN	<input type="checkbox"/> 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) Unknown	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 0 GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
---	---	---

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	DATE
--	------

LOCAL AGENCY USE ONLY THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #
[] [] [] []	[] []	[] [] [] []	[] [] [] [] [] [] [] []	[] [] [] [] [] [] [] []
PERMIT NUMBER	PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

APPENDIX B

UST MANIFEST AND CERTIFICATE OF DESTRUCTION

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE
CERTIFIED SERVICES COMPANY
255 Parr Boulevard • Richmond, California 94801

NO. 18798

CUSTOMER
ENVIRO SCI & EN
JOB NO. 84834

Erickson, Inc. 13525
FOR: _____ TANK NO. _____

Richmond 05/02/94 10:49:11
LOCATION: _____ DATE: _____ TIME: _____

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT D

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

250 Gallon Tank SAFE FOR FIRE
TANK SIZE _____ CONDITION _____

OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%
REMARKS:
"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY."
ERICKSON INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE Kelita TITLE _____ INSPECTOR DS

TELEPHONE
(510) 235-1393

CERTIFICATE
CERTIFIED SERVICES COMPANY
255 Parr Boulevard • Richmond, California 94801

NO. 18787

CUSTOMER
ENVIRO SCI & E
JOB NO. 84834

FOR: Erickson, Inc. TANK NO. 13524

LOCATION: Richmond DATE: 04/28/94 TIME: 06:58:35

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT D

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 250 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY."

ERICKSON INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Kelata REPRESENTATIVE TITLE DS INSPECTOR

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 18788

CUSTOMER	ENVIRO SCI & EN
JOB NO.	84834

Erickson, Inc. 13526
FOR: _____ TANK NO. _____

Richmond 04/28/94 06:58:35
LOCATION: _____ DATE: _____ TIME: _____

Visual Gastech/1314 SMPN D

TEST METHOD _____ LAST PRODUCT _____

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

550 Gallon Tank SAFE FOR FIRE
TANK SIZE _____ CONDITION _____

OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

REMARKS:
"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN
CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS
WASTE FACILITY."

ERICKSON INC. HAS THE APPROPRIATE PERMITS FOR, AND HAS ACCEPTED THE TANK
SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

K. Leta _____ DS _____
REPRESENTATIVE TITLE INSPECTOR

APPENDIX C

LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

Environmental Science & Eng. 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID: # 6-94-5228; Staples Ranch	Date Sampled: 04/26/94
	Client Contact: Jay Carpenter	Date Received: 04/26/94
	Client P.O.:	Date Extracted: 04/26/94
		Date Analyzed: 04/26/94

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g) ⁺	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
35297	UST-2	S	ND	ND	ND	ND	ND	108
35298	AGT-4	S	2.5,g	ND	ND	ND	ND	104
35299	SP-1	S	ND	ND	ND	ND	ND	104
Detection Limit unless otherwise stated; ND means Not Detected	W	50 ug/L	0.5	0.5	0.5	0.5	0.5	
	S	1.0 mg/kg	0.005	0.005	0.005	0.005	0.005	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L
 # cluttered chromatogram; sample peak co-elutes with surrogate peak
 + The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds are significant; no recognizable pattern; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible phase is present.

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553
 Tele: 510-798-1620 Fax: 510-798-1622

Environmental Science & Eng. 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID: # 6-94-5228; Staples Ranch	Date Sampled: 04/26/94
	Client Contact: Jay Carpenter	Date Received: 04/26/94
	Client P.O.:	Date Extracted: 04/27/94
		Date Analyzed: 04/27/94

Fuel Oil Range (C10-C32) Extractable Hydrocarbons as Diesel *

EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(fo) ⁺	% Recovery Surrogate
35297	UST-2	S	ND	87
35298	AGT-4	S	1100,e	89
35299	SP-1	S	ND	87
Detection Limit unless otherwise stated; ND means Not Detected	W		50 ug/L	
	S		10 mg/kg	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L
 # cluttered chromatogram; surrogate and sample peaks co-elute or surrogate peak is on elevated baseline
 + The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) modified diesel?; light(CL) or heavy(CH) diesel compounds are significant; d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel(fuel oil?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible phase is present.

QC REPORT FOR HYDROCARBON ANALYSES

Date: 04/26/94

Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.000	1.846	1.817	2.03	91	90	1.6
Benzene	0.000	0.182	0.190	0.2	91	95	4.3
Toluene	0.000	0.184	0.192	0.2	92	96	4.3
Ethylbenzene	0.000	0.188	0.194	0.2	94	97	3.1
Xylenes	0.000	0.572	0.596	0.6	95	99	4.1
TPH (diesel)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

QC REPORT FOR HYDROCARBON ANALYSES

Date: 04/27/94

Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.000	1.938	1.831	2.03	95	90	5.7
Benzene	0.000	0.178	0.182	0.2	89	91	2.2
Toluene	0.000	0.182	0.184	0.2	91	92	1.1
Ethylbenzene	0.000	0.184	0.182	0.2	92	91	1.1
Xylenes	0.000	0.566	0.546	0.6	94	91	3.6
TPH (diesel)	0	327	322	300	109	107	1.3
TRPH (oil & grease)	0.0	20.2	18.4	20	101	92	9.3

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

2327AESE57

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # D7

(510) 798-1620

PACHECO, CA 94553

FAX (510) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH 24 HOUR 48 HOUR 5 DAY

REPORT TO: JAY CARPENTER BILL TO: ESE

COMPANY: ESE

4090 NELSON AVE STE J

CONCORD, CA

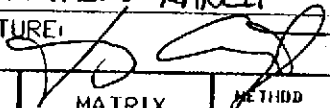
TELE: 685-4053

FAX #: 685-5323

PROJECT NUMBER: 6-94-5228

PROJECT NAME: STAPLIZS RANCH

PROJECT LOCATION:

SAMPLER SIGNATURE: 

ANALYSIS REQUEST

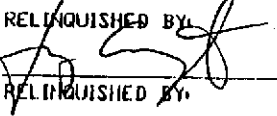
OTHER

3TEX & TPH as Gasoline (602/8020 & 8015)	
THP as Diesel (8015)	
Total Petroleum Oil & Grease (5520 EAF/5020 BAF)	
Total Petroleum Hydrocarbons (418.1)	
EPA 601/8010	
EPA 602/8020	
EPA 608/8080	
EPA 608/8080 - PCBs Only	
EPA 624/8240/8260	
EPA 625/8270	
CAM - 17 Metals	
EPA - Priority Pollutant Metals	
LEAD (7240/7421/239.2/6010)	
ORGANIC LEAD	
PCB	

COMMENTS

SAMPLE ID	LOCATION	SAMPLING		# CONTAINERS	TYPE CONTAINERS	MATRIX					METHOD PRESERVED						
		DATE	TIME			WATER	SOIL	AIR	SLUDGE	OTHER	HCL	HNO ₃	OTHER				
UST-2	6.5'	4/26/94		1	BIBBS		X										
AGT-4	2'	"		1	"		X										
SP-1	STOCKPILE	"		2	"		X										

35297
35298
35299

RELINQUISHED BY: 	DATE: <u>4/26/94</u>	TIME: <u>3:30</u>	RECEIVED BY: <u>So. H. H.</u>
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY LABORATORY:

REMARKS:

ICE/T PRESERVATIVE
 GOOD CONDITION APPROPRIATE CONTAINERS
 HEAD SPACE ABSENT

QC REPORT FOR HYDROCARBON ANALYSES

Date: 04/26/94

Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.000	1.846	1.817	2.03	91	90	1.6
Benzene	0.000	0.182	0.190	0.2	91	95	4.3
Toluene	0.000	0.184	0.192	0.2	92	96	4.3
Ethylbenzene	0.000	0.188	0.194	0.2	94	97	3.1
Xylenes	0.000	0.572	0.596	0.6	95	99	4.1
TPH (diesel)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

QC REPORT FOR HYDROCARBON ANALYSES

Date: 04/27/94

Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.000	1.938	1.831	2.03	95	90	5.7
Benzene	0.000	0.178	0.182	0.2	89	91	2.2
Toluene	0.000	0.182	0.184	0.2	91	92	1.1
Ethylbenzene	0.000	0.184	0.182	0.2	92	91	1.1
Xylenes	0.000	0.566	0.546	0.6	94	91	3.6
TPH (diesel)	0	327	322	300	109	107	1.3
TRPH (oil & grease)	0.0	20.2	18.4	20	101	92	9.3

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553
 Tele: 510-798-1620 Fax: 510-798-1622

Environmental Science & Eng. 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID: # 6-94-5227; Staples Ranch	Date Sampled: 05/23/94
	Client Contact: Jay Carpenter	Date Received: 05/23/94
	Client P.O.:	Date Extracted: 05/24/94
		Date Analyzed: 05/24-05/26/94

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g) ⁺	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
35697	AGT-S-6'	S	ND	ND	ND	ND	ND	101
35698	AGT-N-6'	S	ND	ND	ND	ND	ND	106
35699	Comp STP-3	S	30,g	ND	ND	0.009	0.057	112
Detection Limit unless otherwise stated; ND means Not Detected	W	50 ug/L	0.5	0.5	0.5	0.5	0.5	
	S	1.0 mg/kg	0.005	0.005	0.005	0.005	0.005	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L
 # cluttered chromatogram; sample peak co-elutes with surrogate peak
 + The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds are significant; no recognizable pattern; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible phase is present.

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Environmental Science & Eng. 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID: # 6-94-5227; Staples Ranch	Date Sampled: 05/23/94
	Client Contact: Jay Carpenter	Date Received: 05/23/94
	Client P.O.:	Date Extracted: 05/25/94
		Date Analyzed: 05/25/94

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel *

EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d) ⁺	% Recovery Surrogate
35697	AGT-S-6'	S	ND	96
35698	AGT-N-6'	S	ND	101
35699	Comp STP-3	S	3300,a	96
Detection Limit unless otherwise stated; ND means Not Detected	W		50 ug/L	
	S		10 mg/kg	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L
 # cluttered chromatogram; surrogate and sample peaks co-elute or surrogate peak is on elevated baseline
 + The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) modified diesel?; light(CL) or heavy(CH) diesel compounds are significant; d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel(?); f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible phase is present.

QC REPORT FOR HYDROCARBON ANALYSES

Date: 05/25/94

Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.000	1.725	1.723	2.03	85	85	0.1
Benzene	0.000	0.170	0.168	0.2	85	84	1.2
Toluene	0.000	0.172	0.170	0.2	86	85	1.2
Ethylbenzene	0.000	0.178	0.174	0.2	89	87	2.3
Xylenes	0.000	0.546	0.532	0.6	91	89	2.6
TPH (diesel)	0	325	335	300	108	112	2.9
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

$$\% \text{ Rec.} = (\text{MS} - \text{Sample}) / \text{amount spiked} \times 100$$

$$\text{RPD} = (\text{MS} - \text{MSD}) / (\text{MS} + \text{MSD}) \times 2 \times 100$$

2418 AESE 65

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH 24 HOUR 48 HOUR 5 DAY

McCAMPBELL ANALYTICAL

110 2nd AVENUE, # 117

PACHICO, CA 94553

(510) 798-1620

FAX (510) 798-1622

REPORT TO: J. CARPENTER

BILL TO: ESE

PROJECT NUMBER: 6-94-5227

PROJECT NAME: STAPLES RANCH

PROJECT LOCATION: PLEASEANTON

SAMPLER SIGNATURE: *[Signature]*

ANALYSIS REQUEST

OTHER

CODE # 8208/2095	ANALYSIS REQUEST	OTHER
TRIP TO JESSE (8810)		
Total Petroleum Oil & Grease (C20 C17/C20 C17)		
Total Petroleum Hydrocarbons (A181)		
EPA 501/9010		
EPA 502/9020		
EPA 508/9080		
EPA 508/9080 - PCBs ONLY		
EPA 524/9240/9250		
EPA 525/9270		
CAM - 17 Metals		
EPA - Priority Pollutant Metals		
LEAD (7240/7421/2312/6010)		
ORGANIC LEAD		
PCB		

COMMENTS

35697
35698
35699

SAMPLE ID	LOCATION	SAMPLING		# CONTAINERS	TYPE CONTAINERS	MATRIX				HEAVY METALS PRESERVED							
		DATE	TIME			WATER	SOIL	AIR	SLUDGE	OTHER	HCL	HNO3	OTHER				
AGT-S-6'	AGT-4	5/23/94		1	RUG		X										
AGT-N-6'	AGT-4	"		1	"		X										
STP-3-1	STOCKPILE	"		1	"		X										
STP-3-2	"	"		1	"		X										
STP-3-3	"	"		1	"		X										
STP-3-4	"	"		1	"		X										

COMPOSITE

RELINQUISHED BY: *[Signature]*

DATE: 5/23/94
TIME: 3:03 P

RECEIVED BY: *[Signature]*

RELINQUISHED BY:

DATE: TIME:

RECEIVED BY:

RELINQUISHED BY:

DATE: TIME:

RECEIVED BY LABORATORY:

REMARKS:

ICE/ GOOD CONDITION HEAD SPACE ABSENT PRESERVATIVE APPROPRIATE CONTAINERS VOAS/ D & G METALS OTHER