



Environmental
Science &
Engineering, Inc.

DEC 09 1994

November 30, 1994

Mr. Andrew B. Garcia, REA
Environmental Project Manager
County of Alameda
General Services Agency
Engineering and Environmental Management Department
1401 Lakeside Drive
Oakland, CA 94612

**SUBJECT: AGT CLOSURE REPORT
STAPLES RANCH SITE
EL CHARRO ROAD
PLEASANTON, CALIFORNIA
ESE PROJECT NO. 6-94-5297**

RECEIVED
11/30/94
11:28 AM

Dear Mr. Garcia:

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

ESE was authorized by the Alameda County General Services Agency (GSA), to effect the removal of the AGT located at the subject facility (Figure 1 - Location Map) under Work Order No. 144-0-3874-00.

AGT HISTORY

Located on the Staples Ranch, property owned by Alameda County, was one 250 gallon (2.5-foot diameter, 7-foot long) fuel oil AGT adjacent to a utility building (AGT-1). See Figure 2 - Site Map. The AGT was constructed of single-wall, carbon-steel. AGT-1 stored fuel oil for a furnace located in the residence.

AGT CLOSURE ACTIVITIES

- A permit for the AGT removal was procured by ESE from the Alameda County Fire Department (ACFD). A copy of the ACFD permit is attached in Appendix A

- The internal atmosphere in AGT-1 was rendered inert by the addition of 20 pounds of dry ice. In the presence of Deputy Fire Marshall Laudani of ACFD, the AGT was lifted from its stand and loaded onto a flatbed truck. The AGT was inspected and found to be intact with no perforations or leaks observed. The AGT was manifested as hazardous waste, and transported to Erickson, Inc. of Richmond, California, a state-licensed transportation, storage, and disposal facility (TSDF). A copy of the AGT manifest and certificates of destruction indicating final acceptance and disposal, are also attached in Appendix B.
- On completion of the AGT removal, one soil sample (AGT-1-2') was collected on October 20, 1994 by ESE personnel from approximately two feet below ground surface directly below AGT-1. Sample collection was at the location shown on Figure 3. 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.

There were no obvious odors or staining observed in the soil below AGT-1 during sample collection. The sample was 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 8020 for benzene, toluene, ethylbenzene, and xylenes (BTEX).

Analysis of the soil sample, AGT-1-2', collected from below AGT-1 indicated that TPH-FO was not detected and BTEX was not detected. Copies of laboratory reports and chain of custody documentation are also attached in Appendix C.

- On October 20, 1994 approximately 18 cubic yards of stockpiled soil generated during overexcavation of AGT-4 was loaded, transported, and recycled at the Port Costa Materials (PCM) facility located in Port Costa, California. Copies of the waste manifest and bill of lading are included in Appendix D.

RECOMMENDATIONS

Analytical results of the soil sample collected beneath the AGT-1 indicate that TPH-FO and BTEX were not detected.

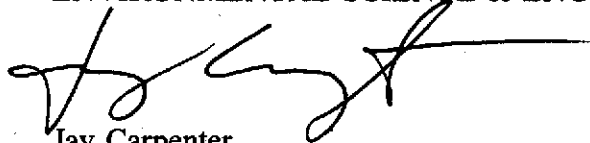
ESE recommends that further investigation not be performed involving AGT-1, also that the installation and monitoring of ground water not be required. A written closure of AGT-1 be granted by ACHCSA. Please forward two copies of this report to the ACHCSA.

Mr. Garcia/GSA
November 30, 1994
page 3

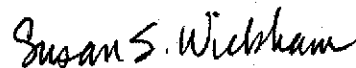
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ESE appreciates the opportunity to perform this scope of work. Please contact Jay Carpenter at (510) 685-4053 with any questions regarding this project.

Sincerely,
ENVIRONMENTAL SCIENCE & ENGINEERING, INC.

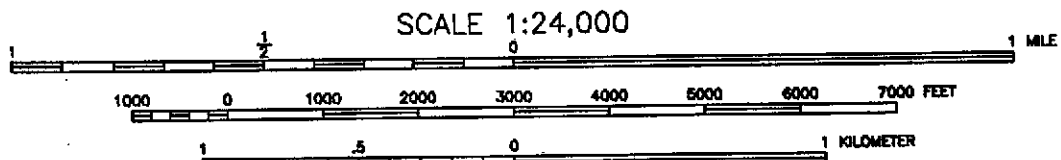
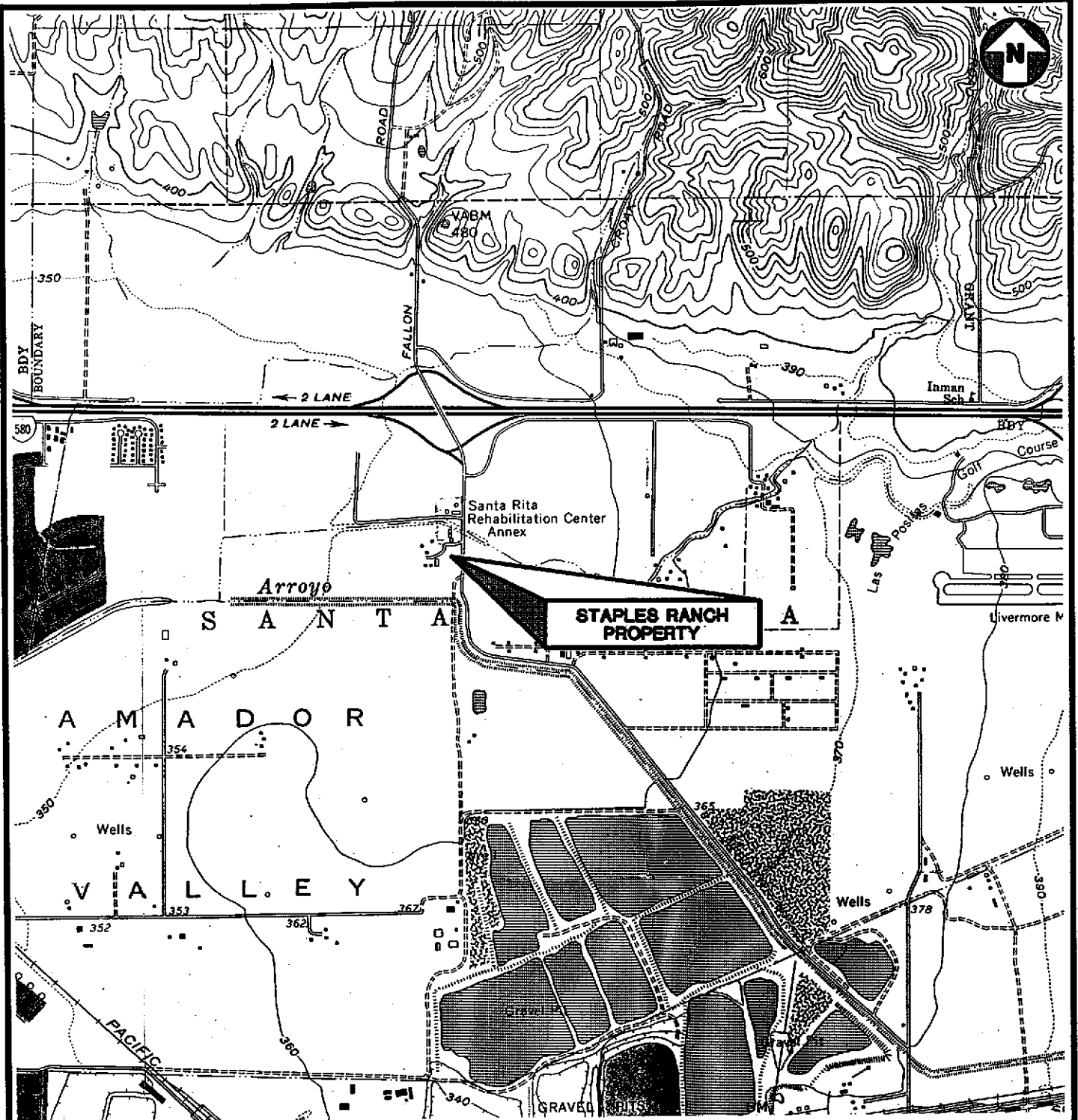


Jay Carpenter
Construction Manager




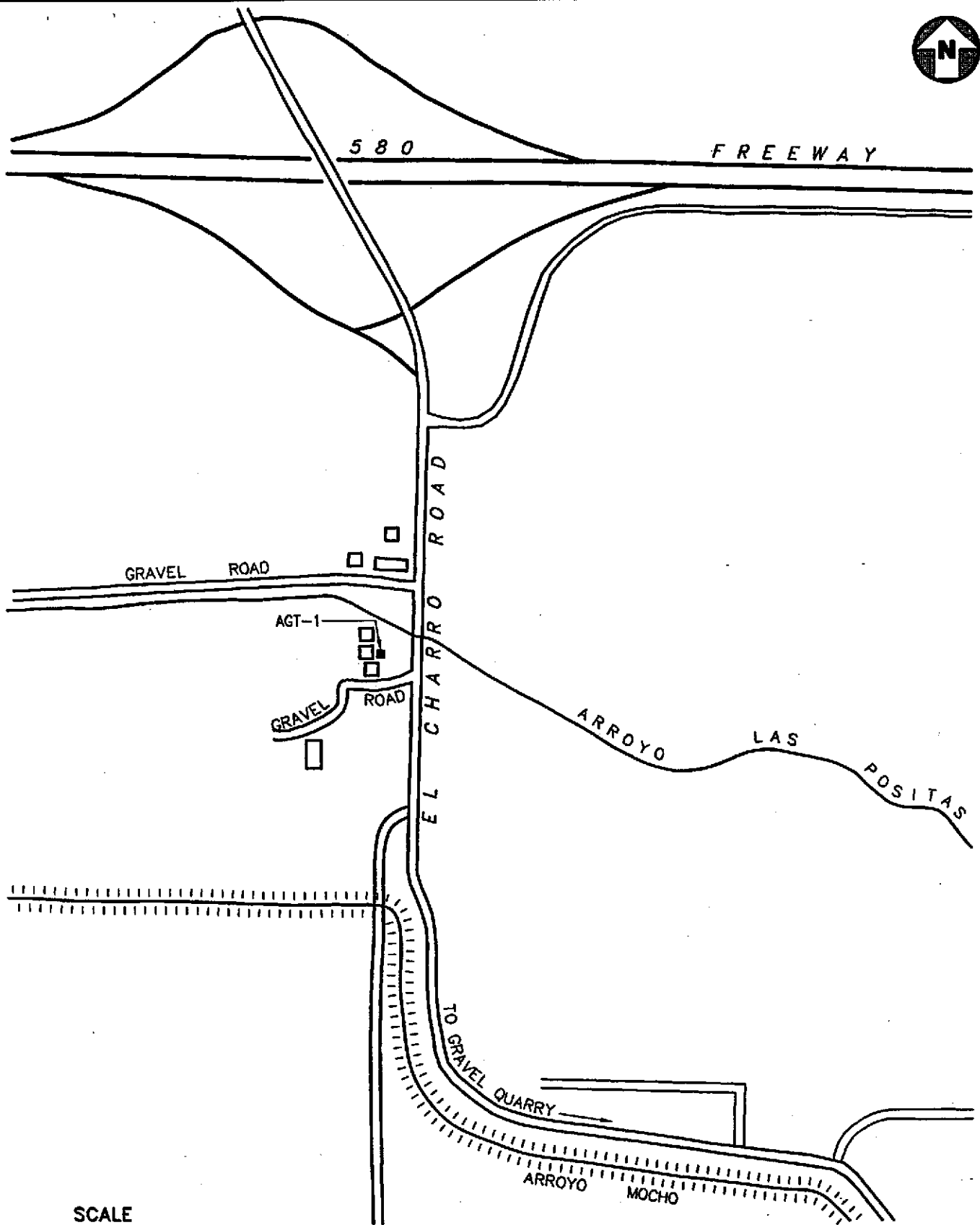
Susan S. Wickham, RG 3851
Senior Geologist

Attachments - Figures
Appendix A - Permit Applications
Appendix B - AGT Manifest and Certificate of Destruction
Appendix C - Laboratory Reports and Chain of Custody Documentation
Appendix D - Waste Manifest and Bill of Lading Records



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

 Environmental Science & Engineering, Inc. <small>A OROSCOPE Company</small>	DATE 11/28/94	LOCATION MAP	FIGURE NO. 1
	REVISED		ALAMEDA COUNTY GENERAL SERVICES AGENCY STAPLES RANCH PLEASANTON, CALIFORNIA
4090 NELSON AVENUE, SUITE J CONCORD, CA 94520	CAD FILE 52970003		



SCALE

 0 500 FEET



**Environmental
 Science &
 Engineering, Inc.**

4090 NELSON AVENUE, SUITE J
 CONCORD, CA 94520

DATE
 11/28/94

REVISED

CAD FILE
 52970002

SITE MAP

ALAMEDA COUNTY GENERAL SERVICES AGENCY
 STAPLES RANCH
 PLEASANTON, CALIFORNIA

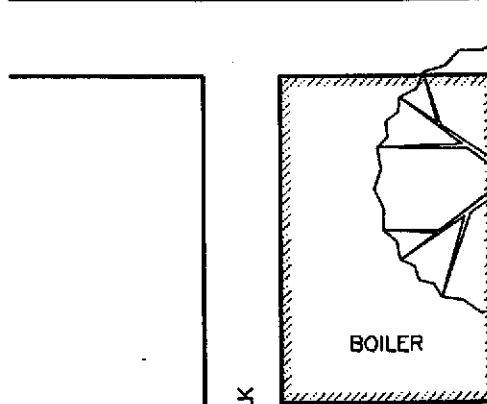
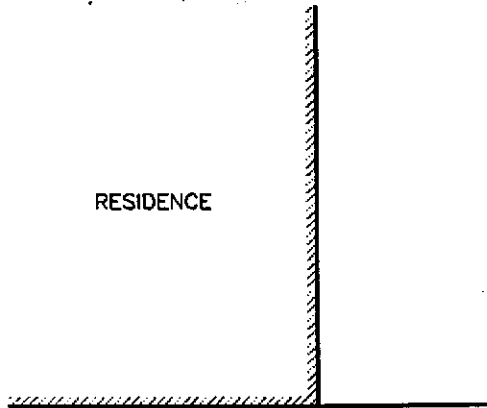
FIGURE NO.

2

PRJ. NO.
 6-94-5297



RESIDENCE

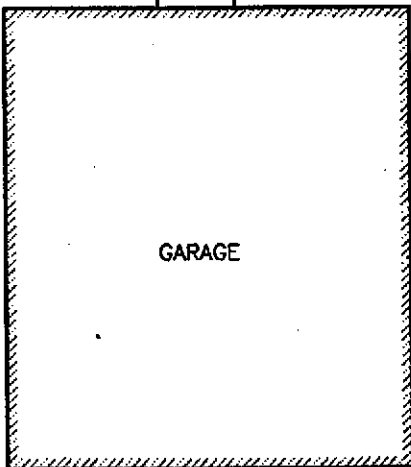


AGT-1 - 250 GALLON ABOVE GROUND FUEL OIL TANK

BOILER

AGT-1-2'

SIDEWALK



GARAGE

LEGEND

⊙ SOIL SAMPLE



**Environmental
Science &
Engineering, Inc.**

DATE
10/21/94

REVISED
11/28/94

CAD FILE
52970001

TANK REMOVAL PLAN

ALAMEDA COUNTY GENERAL SERVICES AGENCY
STAPLES RANCH
PLEASANTON, CALIFORNIA

FIGURE NO.

3

PROJ. NO.
6-94-5297

4090 NELSON AVENUE, SUITE J
CONCORD, CA 94520

APPENDIX A
PERMIT APPLICATIONS

ALAMEDA COUNTY FIRE DEPARTMENT

APPLICATION # 94-3004

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: 9/8/94 BY: 

CATEGORY: _____

► PROJECT INFORMATION

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

DESCRIPTION OF WORK/ACTIVITY:
REMOVAL OF (1) 250 gal. ABOVE GROUND TANK BUILDING PERMIT #: _____

► APPLICANT

NAME: JAY CARPENTER (ESE) PHONE # (H): (510) 676-5131 (W): (510) 685-4053
ADDRESS: 4090 NELSON AVE., STE J, CONCORD, CA ZIP: 94520

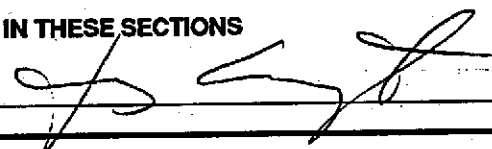
► OWNER

NAME: ALGSA PHONE # (H): _____ (W): (510) 208-9521
ADDRESS: 140 LAKESIDE DR, OAKLAND, CA ZIP: 94612

► CONTRACTOR

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

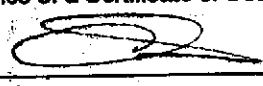
► = APPLICANT TO FILL IN THESE SECTIONS

APPLICANT'S SIGNATURE:  DATE: 9/8/94

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: \$ 80.00 (4202) REC'D BY:  DATE: 9/8/94
CONSULTANT'S FEE: \$ _____ REC'D BY: _____ DATE: _____
ADDITIONAL FEES: \$ _____ REC'D BY: _____ DATE: _____

APPROVALS

FIRE PERMIT #: 94-3004 ISSUED DATE: _____ EXPIRATION DATE: _____
PERMIT ISSUED BY: _____ DATE: _____ FEE: _____
APPLICATION/PLANS APPROVAL: _____ BY: _____ DATE: _____

APPENDIX B

UST MANIFEST AND CERTIFICATE OF DESTRUCTION

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
	C A L 0 0 0 1 1 5 9 5 0 0 0 6 5 9			

3. Generator's Name and Mailing Address: **Alameda County General Service**
4400 MacArthur Blvd. - Oakland, California 94619

4. Generator's Phone: **(510) 535-6280**

5. Transporter 1 Company Name: **Dexanna, Ltd.**

6. US EPA ID Number: **C | A | D | 9 | 8 | 2 | 4 | 3 | 8 | 5 | 6 | 6**

7. Transporter 2 Company Name: _____

8. US EPA ID Number: _____

9. Designated Facility Name and Site Address: **Erickson, Inc. - 255 Parr Blvd. Richmond, California 94801**

10. US EPA ID Number: **C | A | D | 0 | 0 | 9 | 4 | 6 | 6 | 3 | 9 | 2**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid.	0 0 1	T P	0 0 2 5 0	P
b.				
c.				
d.				

15. Special Handling Instructions and Additional Information:
 Keep away from sources of ignition. Always wear hardhats when working around U.S.T.'s. - Site Location: Staples Ranch - El Charro Rd. - Pleasanton Calif. - 24 Hr. Contact Name: **Andrew Garcia** & Phone # **(570) 535-6...**

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.

Printed/Typed Name: **ANDREW GARCIA** Signature: *[Signature]* Month: **1 | 0** Day: **2 | 0** Year: **9 | 4**

17. Transporter 1 Acknowledgement of Receipt of Materials
 Printed/Typed Name: **James R. Cox** Signature: *[Signature]* Month: **1 | 0** Day: **2 | 0** Year: **9 | 4**

18. Transporter 2 Acknowledgement of Receipt of Materials
 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
 Printed/Typed Name: **DAVID SATO** Signature: *[Signature]* Month: **1 | 0** Day: **2 | 0** Year: **9 | 4**

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 11568

CUSTOMER
ENVIRONMENTAL SC

JOB NO.
964294

FOR: ERICKSON, INC. TANK NO. 14761

LOCATION: RICHMOND DATE: 94/10/21 TIME: 10:34

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
~~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.

[Signature]
REPRESENTATIVE

TITLE

[Signature]
INSPECTOR

APPENDIX C

LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

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: # 694-5257; Staples Ranch	Date Sampled: 10/20/94
	Client Contact: Jay Carpenter	Date Received: 10/20/94
	Client P.O.:	Date Extracted: 10/20/94
		Date Analyzed: 10/20/94

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
41748	AGT-1-2'	S	---	ND	ND	ND	ND	111
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: # 694-5257; Staples Ranch	Date Sampled: 10/20/94
	Client Contact: Jay Carpenter	Date Received: 10/20/94
	Client P.O.:	Date Extracted: 10/21/94
		Date Analyzed: 10/22/94

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
41748	AGT-1-2'	S	ND	106
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: 10/20/94

Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.000	1.925	1.994	2.03	95	98	3.5
Benzene	0.000	0.194	0.186	0.2	97	93	4.2
Toluene	0.000	0.196	0.188	0.2	98	94	4.2
Ethylbenzene	0.000	0.192	0.188	0.2	96	94	2.1
Xylenes	0.000	0.600	0.584	0.6	100	97	2.7
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

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

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

McCAMPBELL ANALYTICAL INC.

110 2nd Avenue South, #D7, Pacheco, CA 94553

Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 10/21-10/22/94

Matrix: Water

Analyte	Concentration (ug/L)			Amount Spiked	% Recovery		
	Sample	MS	MSD		MS	MSD	RPD
TPH (gas)	0.0	97.1	92.5	100	97.1	92.5	4.8
Benzene	0	10.1	10.3	10	101.0	103.0	2.0
Toluene	0	9.9	10	10	99.0	100.0	1.0
Ethyl Benzene	0	9.8	9.7	10	98.0	97.0	1.0
Xylenes	0	30.7	30.6	30	102.3	102.0	0.3
TPH (diesel)	0	166	167	150	111	112	1.0
TRPH (oil & grease)	0	26110	26300	23700	110	111	0.7

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

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

APPENDIX D

WASTE MANIFEST AND BILL OF LADING

