



Environmental
Science &
Engineering, Inc.

Closure reports
Tanks 18, 19
not located
1/29/93
[Handwritten scribbles]

July 20, 1992

Project No. 6-92-5349

Mr. Jim de Vos
Buildings Manager
Alameda County General Services Agency
4400 MacArthur Boulevard
Oakland, California 94619

SUBJECT: Santa Rita Jail, Dublin, California

Dear Mr. de Vos:

Environmental Science and Engineering, Inc. (ESE) is pleased to provide this closure report for underground storage tank (UST) numbers 2942-18, and 2942-19 formerly located at the subject facility. This report serves to document the legal removal and disposal of these UST's. ESE presents this report in accordance with Alameda County Health Care Services Agency (HCSA) UST Closure Permit requirements. The following information is submitted in support of this tank closure.

ESE was authorized by the Alameda County General Services Agency (GSA), to effect the removal of these UST's located at the subject facility (see Figure 1 "Location Map") under Purchase Order No. 141-0-7597-00.

TANK HISTORIES

GSA owned and operated two 14,000 gallon (9' diameter, 30' long) Bunker C fuel oil storage tanks located at the Old Hospital Area (see Figure 2 "Site Map"). Both tanks supplied fuel oil to seven boilers located within a building adjacent to the tank locations (see Figure 3 "Tank Plan"), and both tanks were of single wall carbon steel construction. Piping consisted of 3" diameter, single wall, carbon steel fuel oil supply and return lines for each tank, and a 3" diameter carbon steel vent line which was manifolded to both tanks. The installation date of the tanks is unknown. Prior to ESE's field investigation of these UST's, the tanks had been partially excavated by Pacific Gas and Electric excavation training crews.

TANK CLOSURE ACTIVITIES

1. Permits for this tank removal were procured by ESE from HCSA and Doherty Regional Fire Authority (DRFA). Notification was made to the Bay Area Air Quality Management District (BAAQMD). A copy of the cover sheet of the HCSA permit and BAAQMD notification form is attached. Although DRFA does not issue written permits, site inspection was provided.
2. On Wednesday, March 18, 1992, approximately 1,500 gallons of Bunker C fuel oil was evacuated from both tanks by Erickson Environmental of Richmond California. This waste was transported to Gibson Oil/Pilot Petroleum, 475 Sea Port Boulevard, Redwood City, California 94604, a state-licensed treatment, storage and disposal facility (TSDF). A copy of the disposal manifest is attached.
3. On Thursday, March 26, 1992, an additional 511 gallons of Bunker C fuel oil was removed from tank 2942-19 by Erickson Environmental. This fuel was transported and disposed to Gibson Oil/Pilot Petroleum. A copy of the disposal manifest is attached. Approximately 300 gallons of highly viscous Bunker C fuel oil remained in each tank and was not pumpable. This product remained in the tanks during removal.
4. Excavation of both tanks occurred on Wednesday, May 13, 1992 and Thursday, May 14, 1992. Approximately 160 cubic yards of soil was removed and stockpiled. Stockpile locations are indicated on Figure 3 - "Tank Plan".
5. Product piping and vent lines were cut and capped at the limit of the excavation. This piping was removed from the site by Erickson Environmental on May 21, 1992 and hauled as hazardous waste to Erickson Environmental, Richmond, California. Disposal of this piping was included as part of tanks 2942-18 and 2942-19 and thus was transported and disposed under the same hazardous waste manifest as the tanks.
6. On Monday, May 18, 1992, the tank internal atmospheres of 2942-18 and 2942-19 were rendered inert by the addition of 250 pounds of dry ice in each tank. In the presence of Mr. Jeff Shapiro of HCSA and Inspector Ron Johanson of the DRFA, both tanks were lifted from the excavation and loaded onto flatbed trucks. Tank 2942-18 was inspected and found to be corroded on the east end seam/weld (lower portion), with abundant hydrocarbon staining. The middle section of this tank was also observed to be corroded and a 1/4-inch diameter corrosion hole was noted in this area. The west end of this tank had no visible signs of corrosion. Tank 2942-19 was inspected and also found to be corroded on the west end at the base of the tank. Four holes were observed here (2 x 1/4" diameter, 1 x 1/2" diameter and 1 x 1" diameter). The remainder of the tank was visibly corroded, but no other holes were

SOURCE
Removal

U.S.T.
18

U.S.T.
19

found. Both tanks were manifested as hazardous waste, and transported to Erickson Inc. Copies of the tank manifests and certificates of destruction indicating final acceptance and disposal, are attached.

7. The dimensions of the excavation were approximately 30 feet by 28 feet by 14 feet in depth. The tank tops of both tanks were located approximately five feet below ground surface. Soil within the excavation pit consisted of a light brown, silty clay of moderate plasticity from 0 to 6 feet below ground surface, a layer of volcanic tuff, black to brown in color, from 6 to 8 feet below ground surface, and a medium brown, silty clay from 8 to 13 feet below ground surface. Finally, a one-foot layer of green silty clay, with strong hydrocarbon odor and some ferrous staining (due to contact with the tanks) was observed above a one foot thick concrete hold-down pad located 14 feet below ground surface (Figure 3). No root holes or other potential contaminant pathways were observed and no contamination of the excavation sidewalls was noted.

really?

8. Immediately after removal of the tanks, two soil samples, sample identifications (ID's) 18W, and 19W were collected by ESE personnel from the southwest and northwest corners of the excavation pit as directed by the HCSA representative (Figure 3). These two samples were collected at a depth of sixteen feet below ground surface. Two soil samples, sample ID's 18E and 19E were also collected from the southeast and northeast corners of the pit. These soil samples were collected at a depth of fifteen feet below ground surface. All soil samples were collected utilizing a slide hammer fitted with a two-inch diameter brass ring. The sampler was driven into native soil until filled with soil. The brass sampling ring ends were covered with Teflon tape, plastic end caps and sealed with duct tape. These samples were placed in a cooler with ice and transported to Curtis and Tompkins, Ltd., a California Department of Health Services certified analytical laboratory, and analyzed by the following methods:

collected @
pad/
sidewalk
contact?

BTEX?

- EPA Method 8015M for Total Extractable Hydrocarbons (TEH) as Diesel; and
- Standard Methods for Water and Wastewater (SMWW) 5520 for Total Oil and Grease (TOG).

9. Analysis of the soil samples collected from the excavation pit resulted in non-detectable concentrations of TOG for sample ID's 18E, 19W and 19E. Sample ID 18W indicated a concentration of 66 milligrams per kilogram for TOG. Analysis for TEH as diesel resulted in non-detectable concentrations for sample ID's 18E, 18W and 19W, and a concentration of 7 milligrams per kilogram for sample ID 19E. Copies of laboratory reports and chain of custody documentation are attached.

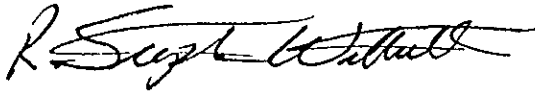
July 20, 1992
Mr. Jim de Vos
Page 4

10. A copy of the Hazardous Materials Inspection Form utilized by the HCSA representative for this site is attached.
11. At this time the excavation pits remain open, pending a decision by the Alameda County GSA as to what remedial action should be taken to close this site.

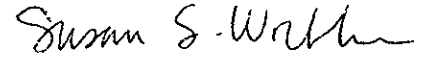
ESE appreciates the opportunity to perform this scope of work. Please contact Steve Willcutts at (510) 685-4053 with any questions regarding this project.

Sincerely,

ENVIRONMENTAL SCIENCE & ENGINEERING, INC.



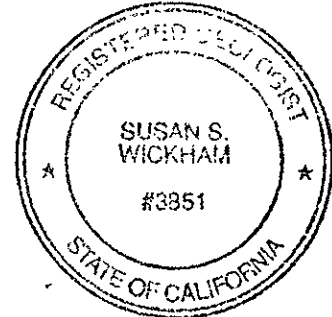
R. Stephen Willcutts
Senior Staff Engineer



Susan S. Wickham, RG 3851
Senior Geologist

RSW:rsw

Figures (3)
Attachments (5)

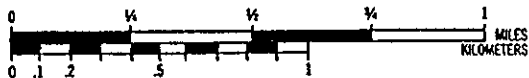
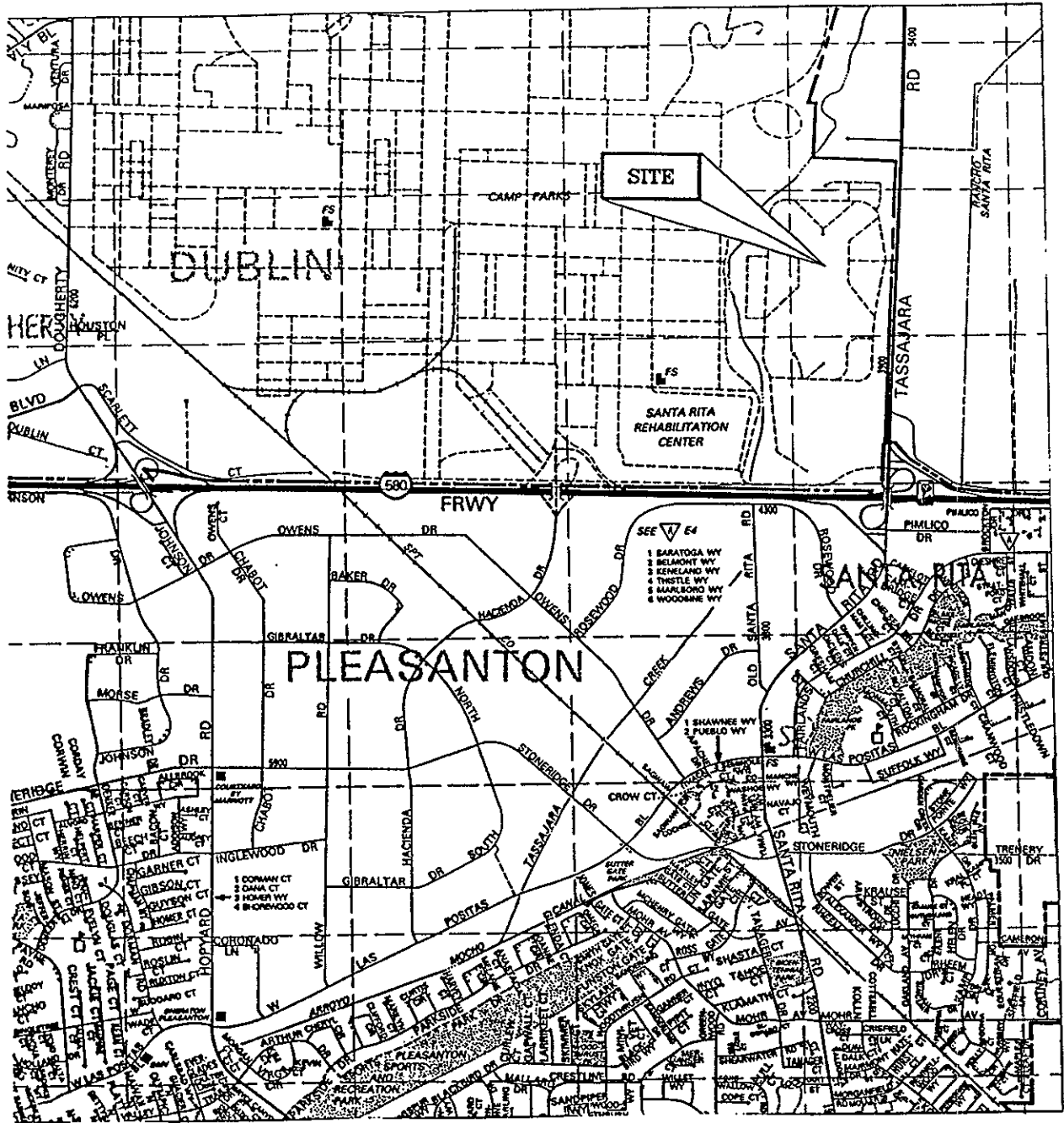


FIGURES


Figure 1 - Location Map

Figure 2 - Site Map

Figure 3 - Tank Plan



SCALE OF SINGLE MAP PAGES
1 INCH TO 2200 FEET

		
Environmental Science & Engineering, Inc.		
ALAMEDA COUNTY GSA SANTA RITA JAIL FACILITY DUBLIN, CA		
FIGURE 1 LOCATION MAP		
DRAWN BY RSW	APPROVED BY	REVISED
DATE 6/25/92	FILE NAME	PROJ. NO. 6-92-5351

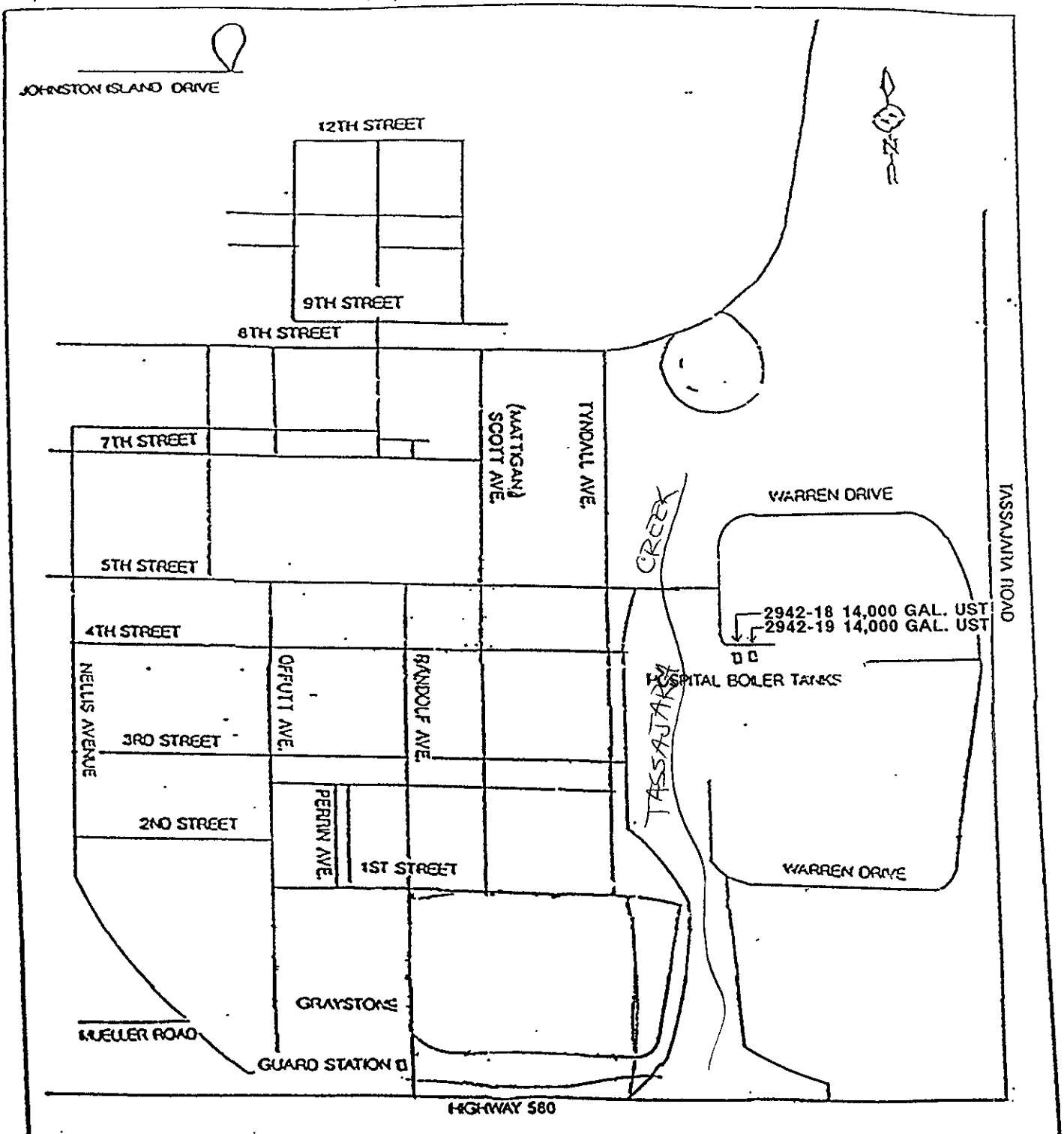
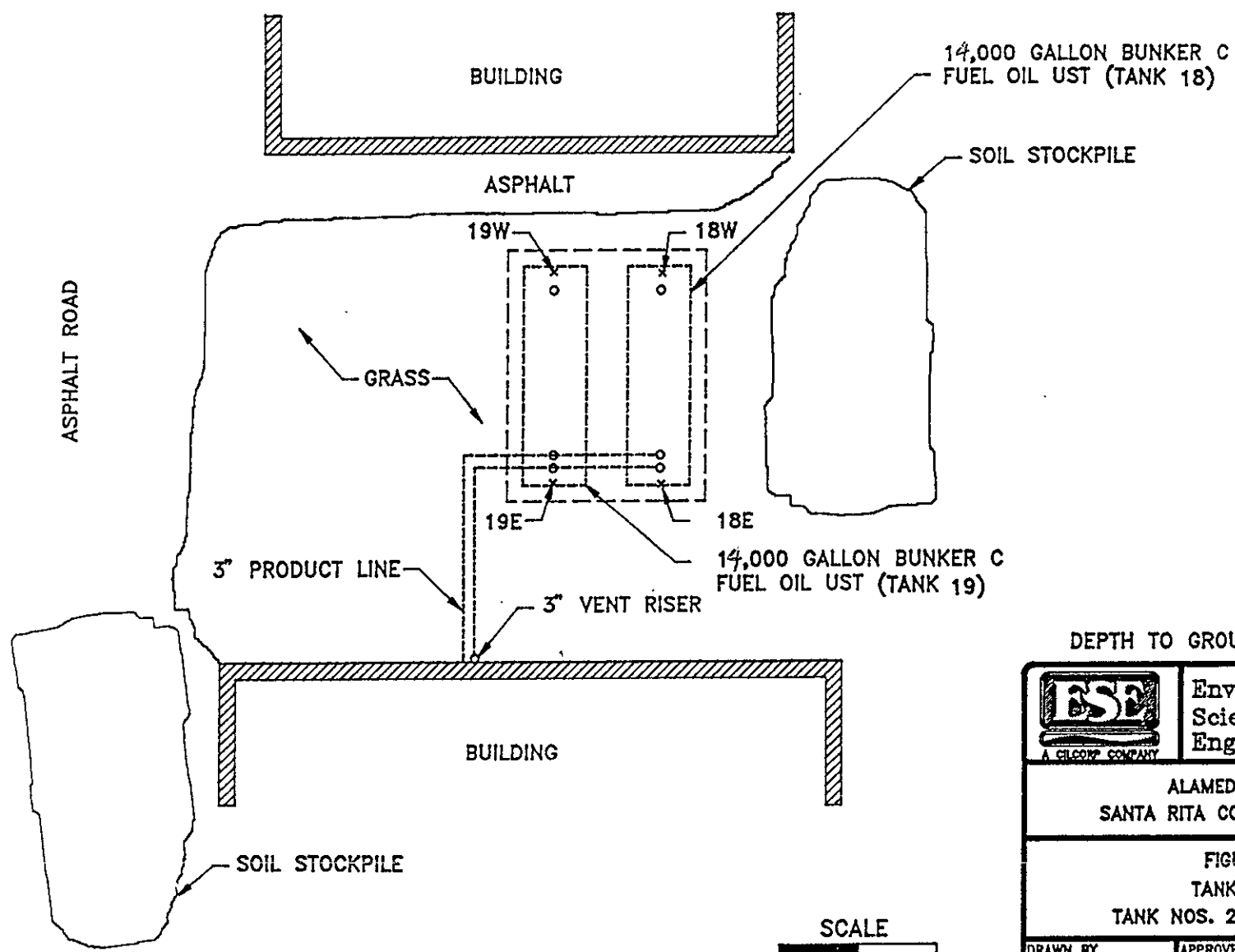



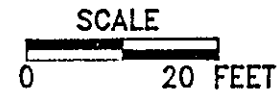
Figure 2 Site Map
LOCATION OF UST'S 2942-18, 2942-19
AT SANTA RITA JAIL FACILITY
DUBLIN, CALIFORNIA



DEPTH TO GROUND WATER: 30 FEET

		Environmental Science & Engineering, Inc.	
ALAMEDA COUNTY GSA SANTA RITA CORRECTIONAL FACILITY			
FIGURE 3 TANK PLAN TANK NOS. 2942-18, 2942-19			
DRAWN BY DWR		APPROVED BY	
DATE 6/92		FILE NAME 53492003	
		PROJ. NO. 6-92-5349	

LEGEND
19E x SOIL SAMPLE



ATTACHMENTS

- **Permits**
- **Hazardous Materials Inspection Form**
- **Hazardous Waste Manifests/Certificates of Destruction**
- **Laboratory Reports**
- **Chain-of-Custody Documentation**



BAY AREA AIR QUALITY MANAGEMENT DISTRICT

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

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

Wagner

NOTIFICATION FORM
 Removal or Replacement of Tanks
 Excavation of Contaminated Soil

SITE INFORMATION

SITE ADDRESS 5325 Broder Blvd., Santa Rita Jail
 CITY, STATE Dublin, CA
 OWNER NAME Alameda County General Services Agency ZIP 94568
 SPECIFIC LOCATION OF PROJECT Five different locations at Santa Rita Jail Facility

TANK REMOVAL
 SCHEDULED STARTUP DATE 5/5/92
 VAPORS REMOVED BY:
 WATER WASH
 VAPOR FREEING (CO²)
 VENTILATION

CONTAMINATED SOIL EXCAVATION
 SCHEDULED STARTUP DATE _____
 STOCKPILES WILL BE COVERED? YES _____ NO _____
 ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):

 (MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME Environmental Science & Engineering CONTACT Steve Willcutts
 ADDRESS 4090 Nelson Ave., #J PHONE (510) 685-4053
 CITY, STATE, ZIP Concord, CA 94520

CONSULTANT INFORMATION (IF APPLICABLE)

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

OFFICE USE ONLY

RECEIVED FAX 4/29/92 BY Blg
 POSTMARKED _____ BY _____ (init.)
 INSPECTOR NO. 552 DATE 4/30/92 BY Blg
 CONTACT NAME _____ DATE _____ BY _____ (init.)
 M/D N # _____ DATA ENTRY 4/30/92 BY _____ (init.)

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name SANTA RITA Today's Date 5/18/92

II.A BUSINESS PLANS (Title 19)

- ___ 1. Immediate Reporting 2703
- ___ 2. Bus. Plan Stds. 25503(b)
- ___ 3. RR Cars > 30 days 25503.7
- ___ 4. Inventory Information 25504(a)
- ___ 5. Inventory Complete 2730
- ___ 6. Emergency Response 25504(b)
- ___ 7. Training 25504(c)
- ___ 8. Deficiency 25505(a)
- ___ 9. Modification 25505(b)

Site Address OLD SANTA RITA Jail

City Dublin Zip 94 Phone _____

___ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

II.B ACUTELY HAZ. MAT'L

- ___ 10. Registration Form Filed 25533(a)
- ___ 11. Form Complete 25533(b)
- ___ 12. RMPP Contents 25534(c)
- ___ 13. Implement Sch. Req'd? (Y/N) _____
- ___ 14. OffSite Conseq. Assess. 25524(c)
- ___ 15. Probable Risk Assessment 25534(d)
- ___ 16. Persons Responsible 25534(g)
- ___ 17. Certification 25534(f)
- ___ 18. Exemption Request? (Y/N) 25536(b)
- ___ 19. Trade Secret Requested? 25536.

- ___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ___ II. Business Plans, Acute Hazardous Materials
- ✓ III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

THIS IS A UST REMOVAL.

"2-18000 GAL BURTON C OIL."

THE OLD HOSPITAL SITE. TANKS #18+19.

PATRICK LINNEY WAS ON SITE FOR GSA.

TRAILER ID # 205702 - ERICKSON

ODOR OF PETROLEUM WAS APPARENT WHILE STANDING BY THE P.T.

- STANDING/FLOATING PRODUCT IN THE PIT.

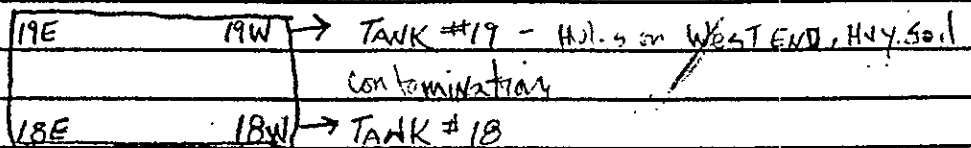
- HOLES FOUND ON TANK PICTURES TAKEN (BOTH TANKS)

- TANKS ABANDONED UNKNOWN YEAR AGO.

SAMPLES TAKEN - #18E, 18W, 19W, 19E

PIPING WILL BE REMOVED BY ERICKSON

← PIT →



- General**
- ___ 1. Permit Application 25284 (H&S)
- ___ 2. Pipeline Leak Detection 25292 (H&S)
- ___ 3. Records Maintenance 2712
- ___ 4. Release Report 2651
- ___ 5. Closure Plans 2670
- ___ 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
 - Sept-annual groundwater
 - One time soils
 - 3) Daily Vadose
 - One time soils
 - Annual tank test
 - 4) Monthly Groundwater
 - One time soils
 - 5) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - Vadose/gndwater mon.
 - 6) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - 7) Weekly Tank Gauge
 - Annual tank testing
 - 8) Annual Tank Testing
 - Daily Inventory
 - 9) Other _____
- ___ 7. Precs Tank Test 2643
 - Date: _____
- ___ 8. Inventory Rec. 2644
- ___ 9. Soil Testing. 2646
- ___ 10. Ground Water. 2647
- Monitoring for Existing Tanks**
- ___ 11. Monitor Plan 2632
- ___ 12. Access, Secure 2634
- ___ 13. Plans Submit 2711
 - Date: _____
- ___ 14. As Built 2635
 - Date: _____
- New Tanks**

Rev 8/88

Contact: Patrick Galvin / ESE

Title: Sr. Engineer

Signature: Pat Galvin

Inspector: JEFF SAARBYO

Signature: Jeff Saaryo

II, III

Please print in type. Form designed for use on a 12-pin typewriter.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1A1A181131917101616		Manifest Document No. 71101711		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address ALAMEDA COUNTY GENERAL SERVICES AGENCY 4100 MACAULAY BLVD. OAKLAND, CA 94619		6. US EPA ID Number CA1A1D009466392		A. State Manifest Document Number 90792181		B. State Generator's ID H 14110171610112171017			
4. Generator's Phone (510) 551-6674		7. Transporter 2 Company Name Erickson, Inc.		8. US EPA ID Number		C. State Transporter's ID 205162		D. Transporter's Phone (510) 235-1393	
9. Designated Facility Name and Site Address Gibson Oil / Pilot Petroleum 475 Sea Port Blvd. Redwood City, Ca 94604		10. US EPA ID Number CA1A1D043260702		E. State Transporter's ID		F. Transporter's Phone		G. State Facility's ID CA1A1D043260702	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. RQ Hazardous Waste Liquids NOS ORM E NA9189 D018		No. Type 111 TTT		1410113		G		State 223 EPA/Other D018	
b.								State EPA/Other	
c.								State EPA/Other	
d.								State EPA/Other	
J. Additional Descriptions for Materials Listed Above Hydrocarbon Mixture With Water (99% Water, 1% Hydrocarbons)		K. Handling Codes for Wastes Listed Above 001							
15. Special Handling Instructions and Additional Information Gibson Oil Waste Stream Profile # 10001 ERG 31 24 Hr. Contact ERNIE HALL 24 Hr. Phone # 510-551-6674									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this 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 international and national government regulations. 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 Paul Marscher Rep. for County		Signature [Signature]		Month Day Year 03/11/1992					
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name KENNETH PHILLIPS		Signature [Signature]		Month Day Year 10/31/1992			
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 BILL LEDIN		Signature [Signature]		Month Day Year 10/31/1992					

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-952-1200

GENERATOR

TRANSPORTER

FACILITY

Do Not Write Below This Line

SRJ

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-952-7500

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.	
3. Generator's Name and Mailing Address Jim de Vos / Gen. Counsel = ACE 4125 W. 11th Ave Oakland, CA 94611		6. US EPA ID Number 101410109466392		13. Total Quantity 1511		14. Unit G		15. Waste No. 223	
4. Generator's Phone (510) 575-6745		7. Transporter 1 Company Name Erickson, Inc.		12. Containers No. Type 11 TT		13. Total Quantity 1511		14. Unit G	
5. Transporter 1 US EPA ID Number 101410109466392		8. Transporter 2 Company Name		12. Containers No. Type		13. Total Quantity		14. Unit	
6. Transporter 2 US EPA ID Number		9. Designated Facility Name and Site Address Gibson Oil / Pilot Petroleum 475 Sea Port Blvd. Redwood City, Ca. 94604		12. Containers No. Type		13. Total Quantity		14. Unit	
7. Transporter 2 US EPA ID Number		10. US EPA ID Number		12. Containers No. Type		13. Total Quantity		14. Unit	
8. Transporter 2 US EPA ID Number		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) RQ Hazardous Waste Liquids NOS ORM E NA9189 D018		12. Containers No. Type		13. Total Quantity		14. Unit	
9. Designated Facility Name and Site Address		10. US EPA ID Number		12. Containers No. Type		13. Total Quantity		14. Unit	
10. US EPA ID Number		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity		14. Unit	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity		14. Unit		15. Waste No.	
12. Containers No. Type		13. Total Quantity		14. Unit		15. Waste No.		16. State 223	
13. Total Quantity		14. Unit		15. Waste No.		16. State		17. EPA/Other	
14. Unit		15. Waste No.		16. State		17. EPA/Other		18. State	
15. Waste No.		16. State		17. EPA/Other		18. State		19. EPA/Other	
16. State		17. EPA/Other		18. State		19. EPA/Other		20. State	
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71. EPA/Other		72. State		73. EPA/Other		74. State		75. EPA/Other	
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78. State		79. EPA/Other		80. State		81. EPA/Other		82. State	
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85. EPA/Other		86. State		87. EPA/Other		88. State		89. EPA/Other	
86. State		87. EPA/Other		88. State		89. EPA/Other		90. State	
87. EPA/Other		88. State		89. EPA/Other		90. State		91. EPA/Other	
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98. State		99. EPA/Other		100. State		101. EPA/Other		102. State	
99. EPA/Other		100. State		101. EPA/Other		102. State		103. EPA/Other	
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107. EPA/Other		108. State		109. EPA/Other		110. State		111. EPA/Other	
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135. EPA/Other		136. State		137. EPA/Other		138. State		139. EPA/Other	
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138. State		139. EPA/Other		140. State		141. EPA/Other		142. State	
139. EPA/Other		140. State		141. EPA/Other		142. State		143. EPA/Other	
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146. State		147. EPA/Other		148. State		149. EPA/Other		150. State	
147. EPA/Other		148. State		149. EPA/Other		150. State		151. EPA/Other	
148. State		149. EPA/Other		150. State		151. EPA/Other		152. State	
149. EPA/Other		150. State		151. EPA/Other		152. State		153. EPA/Other	
150. State		151. EPA/Other							

78564

90648360
 IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-862-7860

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAD981397061048360	Manifest Document No. 148360	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address SANTA RITA JAIL 5325 Broder BLVD. DUBLIN, CALIFORNIA 94568		6. US EPA ID Number CAD009466392		A. State Manifest Document Number 90648360	B. State Generator's ID	
4. Generator's Phone 510 551-6674		7. Transporter 1 Company Name ERICKSON INC		C. State Transporter's ID 205166	D. Transporter's Phone (510) 235-1393	
5. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID	F. Transporter's Phone	
9. Designated Facility Name and Site Address Erickson, Inc. 255 Parr Blvd. Richmond, Ca: 94801		10. US EPA ID Number CAD009466392		G. State Facility's ID	H. Facility's Phone (510) 235-1393	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit	Waste No.
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solids			No. 002TP14500		P	State 517 EPA/Other NONE
b.						State EPA/Other
c.						State EPA/Other
d.						State EPA/Other
Additional Descriptions for Materials Listed Above Empty Storage Tanks (5) 3755, 3743 Tanks (5) have been identified with 15 lbs. 500 lbs per 1000 Gallon Capacity			Handling Codes for Wastes Listed Above 01			
15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hardhats when working around U.S.T.'s 24 Hr. Contact Name Alameda Co. D.O.H.S. Phone (510) 271-4530						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this 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 international and national government regulations. 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 (ESE) Alameda City R. Stephen Willett for GSA			Signature <i>R. Stephen Willett</i>		Month Day Year 05/18/92	
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name PAUL ROTE			Signature <i>Paul Rote</i>		Month Day Year 05/18/92	
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 Donna K. Rossow			Signature <i>Donna K. Rossow</i>		Month Day Year 06/1/92	

GENERATOR

TRANSPORTER

FACILITY

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 11120

CUSTOMER	ENVIRO SCI & E
JOB NO.	78564

FOR: Erickson, Inc. TANK NO. 8735

LOCATION: Richmond DATE: 05/28/92 TIME: 07:44:14

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT FO

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 14000 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."

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.

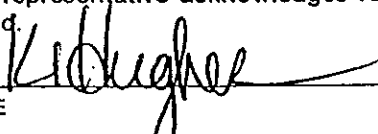
STANDARD SAFETY DESIGNATION

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.

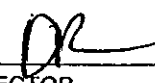
The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

REPRESENTATIVE



TITLE

INSPECTOR



Please print or type. Form designed for use on elite (12-pitch typewriter).

18564 Page 6 18564

GENERATOR
 TRANSPORTER
 FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CAAD918139170160458365		Manifest Document No. 1 of 1		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address SANTA RITA JAIL 5325 BRODER BLVD. DUBLIN, CALIFORNIA 94568				A. State Manifest Document Number 90648365		B. State Generator's ID							
4. Generator's Phone 510-551-6674				C. State Transporter's ID 205702		D. Transporter's Phone (510) 235-1393							
5. Transporter 1 Company Name ERICKSON INC.		6. US EPA ID Number CAAD100914616392		E. State Transporter's ID		F. Transporter's Phone							
7. Transporter 2 Company Name		8. US EPA ID Number		G. State Facility's ID CAAD100914616392		H. Facility's Phone (510) 235-1393							
9. Designated Facility Name and Site Address Erickson, Inc. 255 Parr Blvd. Richmond, Ca: 94801				10. US EPA ID Number CAAD100914616392									
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid:						002 TR		15000		P		State: 512 EPA/Other: NONE	
b.												State: EPA/Other:	
c.												State: EPA/Other:	
d.												State: EPA/Other:	
16. Additional Descriptions for Materials Listed Above Qty TWO Empty Storage Tanks (5000 lbs capacity) have been emptied with 15 lbs. Dry Ice per 1000 lbs capacity.						K. Handling Codes for Wastes Listed Above 01							
15. Special Handling Instructions and Additional Information Keep away from sources of ignition: Always wear hardhats when working around U.S.T.'s 24 Hr: Contact Name Alameda County D.O.H.S. Phone (510) 271-4530													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this 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 international and national government regulations. 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 R. Stephen Willatts Jr. for Alameda City GSA				Signature <i>R. Stephen Willatts Jr.</i>				Month Day Year 05/18/92					
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name DAN BAILEY		Signature <i>Don Bailey</i>		Month Day Year 05/18/92			
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 H. Rossini, Jr.				Signature <i>David H. Rossini, Jr.</i>				Month Day Year 05/18/92					

DAY OR NIGHT
TELEPHONE
(510) 235-1393

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

NO. 11267

CUSTOMER
ENVIRO SCI & I
JOB NO. 78564

FOR: Erickson, Inc. TANK NO. 8734

LOCATION: Richmond DATE: 05/26/92 TIME: 09:52:38

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT FO

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 14000 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."

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. Deigher
REPRESENTATIVE

TITLE

OK
INSPECTOR



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

DATE RECEIVED: 5/19/92
DATE REPORTED: 5/26/92
DATE REISSUED: 8/20/92

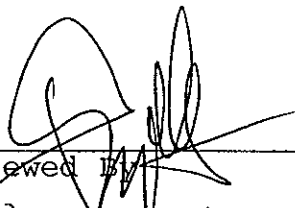
LABORATORY NUMBER: 107420

CLIENT: ENVIRONMENTAL SCIENCE & ENGINEERING

PROJECT ID: 6-92-5351

LOCATION: SANTA RITA JAIL

RESULTS: SEE ATTACHED

Reviewed By 

Reviewed By 

LABORATORY NUMBER: 107420
 CLIENT: ENVIRONMENTAL SCIENCE & ENGINEERING
 PROJECT ID: 6-92-5351
 LOCATION: SANTA RITA JAIL

DATE SAMPLED: 5/18/92
 DATE RECEIVED: 5/19/92
 DATE ANALYZED: 5/21/92
 DATE REPORTED: 5/26/92
 DATE REISSUED: 8/20/92

=====
 ANALYSIS: HYDROCARBON OIL & GREASE (GRAVIMETRIC)
 ANALYSIS METHOD: SMWW 17: 5520EF
 =====

LAB ID	SAMPLE ID	RESULT	UNITS	REPORTING LIMIT
107420-001	18-E	ND	mg/Kg	50
107420-002	18-W	66	mg/Kg	50
107420-003	19-W	ND	mg/Kg	50
107420-004	19-E	ND	mg/Kg	50
BLANK		ND	mg/Kg	50

ND = Not detected at or above reporting limit.

QA/QC SUMMARY:

=====
 RPD, % 84
 RECOVERY, % 4.6
 =====

LABORATORY NUMBER: 107420
 CLIENT: ENVIRONMENTAL SCIENCE & ENGINEERING
 PROJECT ID: 6-92-5351
 LOCATION: SANTA RITA JAIL

DATE SAMPLED: 5/18/92
 DATE RECEIVED: 5/19/92
 DATE EXTRACTED: 5/19/92
 DATE ANALYZED: 5/20-21/92
 DATE REPORTED: 5/26/92
 DATE REISSUED: 8/20/92

Extractable Petroleum Hydrocarbons in Soils & Wastes
 California DOHS Method
 LUFT Manual October 1989

LAB ID	SAMPLE ID	KEROSENE RANGE (mg/Kg)	DIESEL RANGE (mg/Kg)	REPORTING LIMIT* (mg/Kg)
107420-001	18-E	ND	ND	1
107420-002	18-W	ND	ND	1
107420-003	19-W	ND	ND	1
107420-004	19-E	**	7	1

ND = Not Detected at or above reporting limit.

* Reporting limit applies to all analytes.

** Quantitated as diesel.

QA/QC SUMMARY: LABORATORY CONTROL SAMPLE

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RECOVERY, %	89
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