STATE OF CALIFORNIA
TANK FORMS A & B –
NOVEMBER 1998 (TANK REMOVALS)

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: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☒ 6 TEMPORARY SITE CLOSURE ☐ 7 PERMANENTLY CLOSED SITE

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

DBA OR FACILITY NAME	NAME OF OPERATOR	
South County Corporation Yard	East Bay Regional Park DIstrict	
ADDRESS	NEAREST CROSS STREET	PARCEL # (OPTIONAL)
17930 Lake Chabot Road	Arcadian Drive	
CITY NAME	STATE / ZIP CODE	SITE PHONE # WITH AREA CODE
Castro Valley	CA 94546	510-881-1833 x-3212

✓ BOX TO INDICATE: ☐ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☒ LOCAL-AGENCY DISTRICTS ☐ COUNTY-AGENCY* ☐ STATE-AGENCY* ☐ 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: Stephen Gehrett, Maint. Div.

TYPE OF BUSINESS	☐ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☒ 5 OTHER	☐	3	

EMERGENCY CONTACT PERSON (PRIMARY)	EMERGENCY CONTACT PERSON (SECONDARY) - optional
DAYS. NAME (LAST, FIRST) / PHONE # WITH AREA CODE: Gehrett, Stephen 510-843-8314	DAYS: NAME (LAST, FIRST) / PHONE # WITH AREA CODE: Lopez, Gil 510 881-1833 x-3212
NIGHTS: NAME (LAST, FIRST) / PHONE # WITH AREA CODE: Public Safety DIspatch 510 881-1833	NIGHTS: NAME (LAST, FIRST) / PHONE # WITH AREA CODE: Public Safety DIspatch 881-1833

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION
East Bay Regional Park District	Stephen Gehrett
MAILING OR STREET ADDRESS	✓ box to indicate: ☐ INDIVIDUAL ☒ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY
P O. Box 5381	
CITY NAME / STATE / ZIP CODE / PHONE # WITH AREA CODE	
Oakland CA 94605 510 635-0135	

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION
East Bay Regional Park District	Stephen Gehrett
MAILING OR STREET ADDRESS	✓ box to indicate: ☐ INDIVIDUAL ☒ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY
P.O. Box 5381	
CITY NAME / STATE / ZIP CODE / PHONE # WITH AREA CODE	
Oakland CA 94605 510 635-0135	

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

TY (TK) HQ 44-00151 1

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

✓ box to indicate: ☒ 1 SELF-INSURED ☐ 2 GUARANTEE ☐ 3 INSURANCE ☐ 4 SURETY BOND ☐ 5 LETTER OF CREDIT ☐ 6 EXEMPTION ☐ 7 STATE FUND ☐ 8 STATE FUND & CHIEF FINANCIAL OFFICER LETTER ☐ 9 STATE FUND & CERTIFICATE OF DEPOSIT ☐ 10 LOCAL GOVT. MECHANISM ☐ 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. ☐ II. ☐ III. ☒

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

TANK OWNER'S NAME (PRINTED & SIGNATURE)	TANK OWNER'S TITLE	DATE MONTH/DAY/YEAR
Stephen Gehrett For EBRPD Stephen Gehrett	Equipment Manager	Nov. 16, 1998

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #

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 ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☒ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: South County Corporation Yard, Lake Chabot

I. TANK DESCRIPTION
COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # 1
B. MANUFACTURED BY: Century Fiberglass
C. DATE INSTALLED (MO/DAY/YEAR) 1978
D. TANK CAPACITY IN GALLONS: 8,000

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

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☒ 1 PRODUCT ☐ 2 WASTE

C. ☒ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 1c MIDGRADE UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW) ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 8 M85

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: ☐ 1 DOUBLE WALL ☒ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SINGLE WALL IN A VAULT ☐ 5 INTERNAL BLADDER SYSTEM ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☐ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☒ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING OR COATING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☐ 95 UNKNOWN ☒ 99 OTHER FIBERGLASS
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. EXTERIOR CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☒ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL, etc. SPILL CONTAINMENT INSTALLED (YEAR) 95 DROP TUBE YES X NO ___ STRIKER PLATE YES ___ NO ___ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) 95 DISPENSER CONTAINMENT YES ___ NO X

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

A. SYSTEM TYPE: A (U) 1 SUCTION; A U 2 PRESSURE; A U 3 GRAVITY; A U 4 FLEXIBLE PIPING; A U 99 OTHER

B. CONSTRUCTION: A (U) 1 SINGLE WALL; A U 2 DOUBLE WALL; A U 3 LINED TRENCH; A U 95 UNKNOWN; A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL; A U 2 STAINLESS STEEL; A U 3 POLYVINYL CHLORIDE (PVC); A (U) 4 FIBERGLASS PIPE; A U 5 ALUMINUM; A U 6 CONCRETE; A U 7 STEEL W/ COATING; A U 8 100% METHANOL COMPATIBLE W/FRP; A U 9 GALVANIZED STEEL; A U 10 CATHODIC PROTECTION; A U 95 UNKNOWN; A U 99 OTHER

D. LEAK DETECTION: ☐ 1 MECHANICAL LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 CONTINUOUS INTERSTITIAL MONITORING ☐ 4 ELECTRONIC LINE LEAK DETECTOR ☐ 5 AUTOMATIC PUMP SHUTDOWN ☒ 99 OTHER loss of SUCTION

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☒ 2 MANUAL INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☒ 6 ANNUAL TANK TESTING ☐ 7 CONTINUOUS INTERSTITIAL MONITORING ☐ 8 SIR ☐ 9 WEEKLY MANUAL TANK GAUGING ☐ 10 MONTHLY TANK TESTING ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)

1. ESTIMATED DATE LAST USED (MO/DAY/YR) 11-02-98
2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ___ GALLONS
3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐

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

TANK OWNER'S NAME (PRINTED & SIGNATURE) Stephen Gehrett Stephen Gehrett for EBRPD — DATE Nov. 16, 1998

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. FORM C MUST BE COMPLETED FOR INSTALLATIONS. THIS FORM SHOULD BE ACCOMPANIED BY A PLOT PLAN. 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: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☒ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☐ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: South County Corporation Yard, Lake Chabot

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # 2	B. MANUFACTURED BY: Century Fiberglass
C. DATE INSTALLED (MO/DAY/YEAR) 1978	D. TANK CAPACITY IN GALLONS. 8,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☒ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☒ 1 PRODUCT ☐ 2 WASTE

C. ☒ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 1c MIDGRADE UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 8 M85 ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

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: ☐ 1 DOUBLE WALL ☒ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SINGLE WALL IN A VAULT ☐ 5 INTERNAL BLADDER SYSTEM ☐ 95 UNKNOWN ☐ 99 OTHER ____

B. TANK MATERIAL (Primary Tank): ☐ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☒ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER ____

C. INTERIOR LINING OR COATING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☐ 95 UNKNOWN ☒ 99 OTHER FIBERGLASS
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. EXTERIOR CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☒ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☐ 95 UNKNOWN ☐ 99 OTHER ____

E. SPILL AND OVERFILL, etc. SPILL CONTAINMENT INSTALLED (YEAR) 95 OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) 95
DROP TUBE YES X NO ___ STRIKER PLATE YES ___ NO ___ DISPENSER CONTAINMENT YES ___ NO X

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A (U) 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 4 FLEXIBLE PIPING A U 99 OTHER

B. CONSTRUCTION: A (U) 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A (U) 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER ____

D. LEAK DETECTION: ☐ 1 MECHANICAL LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 CONTINUOUS INTERSTITIAL MONITORING ☐ 4 ELECTRONIC LINE LEAK DETECTOR ☐ 5 AUTOMATIC PUMP SHUTDOWN ☐ 99 OTHER LOSS OF SUCTION

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☒ 2 MANUAL INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☒ 6 ANNUAL TANK TESTING ☐ 7 CONTINUOUS INTERSTITIAL MONITORING ☐ 8 SIR ☐ 9 WEEKLY MANUAL TANK GAUGING ☐ 10 MONTHLY TANK TESTING ☐ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ____ GALLONS	3. WAS TANK FILLED WITH INERT MATERIAL? YES ☐ NO ☐
11-02-98		

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

TANK OWNER'S NAME (PRINTED & SIGNATURE)	DATE
Stephen Gehrett Stephen Gehrett for EBRPD	Nov. 16, 1998

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. FORM C MUST BE COMPLETED FOR INSTALLATIONS. THIS FORM SHOULD BE ACCOMPANIED BY A PLOT PLAN. 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: [ ] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [X] 6 TEMPORARY TANK CLOSURE [ ] 7 PERMANENTLY CLOSED ON SITE [ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: South County Corporation Yard

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I.D. # 3

B. MANUFACTURED BY: Century Fiberglass

C. DATE INSTALLED (MO/DAY/YEAR) 1978

D. TANK CAPACITY IN GALLONS: 2,000

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. [X] 1 MOTOR VEHICLE FUEL [ ] 2 PETROLEUM [ ] 3 CHEMICAL PRODUCT [ ] 4 OIL [ ] 80 EMPTY [ ] 95 UNKNOWN

B. [X] 1 PRODUCT [ ] 2 WASTE

C. [ ] 1a REGULAR UNLEADED [ ] 1b PREMIUM UNLEADED [ ] 1c MIDGRADE UNLEADED [ ] 2 LEADED [X] 3 DIESEL [ ] 4 GASAHOL [ ] 5 JET FUEL [ ] 6 AVIATION GAS [ ] 7 METHANOL [ ] 8 M85 [ ] 99 OTHER (DESCRIBE IN ITEM D. BELOW)

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: [ ] 1 DOUBLE WALL [X] 2 SINGLE WALL [ ] 3 SINGLE WALL WITH EXTERIOR LINER [ ] 4 SINGLE WALL IN A VAULT [ ] 5 INTERNAL BLADDER SYSTEM [ ] 95 UNKNOWN [ ] 99 OTHER

B. TANK MATERIAL (Primary Tank): [ ] 1 BARE STEEL [ ] 2 STAINLESS STEEL [X] 3 FIBERGLASS [ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC [ ] 5 CONCRETE [ ] 6 POLYVINYL CHLORIDE [ ] 7 ALUMINUM [ ] 8 100% METHANOL COMPATIBLE W/FRP [ ] 9 BRONZE [ ] 10 GALVANIZED STEEL [ ] 95 UNKNOWN [ ] 99 OTHER

C. INTERIOR LINING OR COATING: [ ] 1 RUBBER LINED [ ] 2 ALKYD LINING [ ] 3 EPOXY LINING [ ] 4 PHENOLIC LINING [ ] 5 GLASS LINING [ ] 6 UNLINED [ ] 95 UNKNOWN [X] 99 OTHER fiberglass

IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. EXTERIOR CORROSION PROTECTION: [ ] 1 POLYETHYLENE WRAP [ ] 2 COATING [ ] 3 VINYL WRAP [X] 4 FIBERGLASS REINFORCED PLASTIC [ ] 5 CATHODIC PROTECTION [ ] 91 NONE [ ] 95 UNKNOWN [ ] 99 OTHER

E. SPILL AND OVERFILL, etc. SPILL CONTAINMENT INSTALLED (YEAR) ___ DROP TUBE YES X NO ___ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) ___ STRIKER PLATE YES ___ NO ___ DISPENSER CONTAINMENT YES ___ NO X

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A (U) 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 4 FLEXIBLE PIPING A U 99 OTHER

B. CONSTRUCTION: A (U) 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A (U) 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER

D. LEAK DETECTION: [ ] 1 MECHANICAL LINE LEAK DETECTOR [ ] 2 LINE TIGHTNESS TESTING [ ] 3 CONTINUOUS INTERSTITIAL MONITORING [ ] 4 ELECTRONIC LINE LEAK DETECTOR [ ] 5 AUTOMATIC PUMP SHUTDOWN [ ] 99 OTHER

V. TANK LEAK DETECTION

[ ] 1 VISUAL CHECK [X] 2 MANUAL INVENTORY RECONCILIATION [ ] 3 VADOZE MONITORING [ ] 4 AUTOMATIC TANK GAUGING [ ] 5 GROUND WATER MONITORING [X] 6 ANNUAL TANK TESTING [ ] CONTINUOUS INTERSTITIAL MONITORING [ ] 8 SIR [ ] 9 WEEKLY MANUAL TANK GAUGING [ ] 10 MONTHLY TANK TESTING [ ] 95 UNKNOWN [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION (PERMANENT CLOSURE IN-PLACE)

1. ESTIMATED DATE LAST USED (MO/DAY/YR) 11-02-98

2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING ___ GALLONS

3. WAS TANK FILLED WITH INERT MATERIAL? YES [ ] NO [ ]

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

TANK OWNER'S NAME (PRINTED & SIGNATURE): Stephen Gehrett for EBRPD Stephen Gehrett DATE: Nov. 16, 1998

LOCAL AGENCY USE ONLY

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UNDERGROUND TANK CLOSURE PLAN

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
ENVIRONMENTAL HEALTH SERVICES
1131 HARBOR BAY PARKWAY, RM 250
ALAMEDA, CA 94502-6577
PHONE # 510/567-6700

ACCEPTED
Underground Storage Tank Closure Permit Application
Alameda County Division of Hazardous Materials
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure 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/destruction.
One copy of the 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 Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws.
Notify this Department at least 72 hours prior to the following required inspections:

- Removal of Tank(s) and Piping
- Sampling
- Final Inspection

Issuance of a) permit to operate, b) permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS:

Contact Specialist: ROBERT WESTON 11-18-98

SITE SPECIFIC SAFETY PLAN REQUIRED PRIOR TO START OF WORK.

USE TABLE 2 ANALYSES FOR GASOLINE + DIESEL INCLUDING MTBE.

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

1. Name of Business EAST BAY REGIONAL PARK DISTRICT
   Business Owner or Contact Person (PRINT) STEPHEN GEHRETT
2. Site Address 17930 LAKE CHABOT Rd
   City CASTRO VALLEY Zip 94546 Phone 635-0135
3. Mailing Address PO BOX 5381
   City OAKLAND Zip CA Phone 510 635-0135
4. Property Owner EAST BAY REGIONAL PARK DISTRICT
   Business Name (if applicable) _____
   Address 2950 PERALTA OAKS CT.
   City, State OAKLAND, CA Zip 94605-0381
5. Generator name under which tank will be manifested
   EAST BAY REGIONAL PARK DISTRICT
   EPA ID# under which tank will be manifested CAC001380744

6. Contractor V. C. E. OF CALIFORNIA

Address 2484 BAUMANN AVE

City SAN LORENZO, CA 94580 Phone (510) 276-6266

License Type A, B, HAZ ID# 487537

7. Consultant (if applicable) _____

Address _____

City, State _____ Phone _____

8. Main Contact Person for Investigation (if applicable)

Name STEPHEN GEHRETT Title EQUIPMENT MANAGER

Company EAST BAY REGIONAL PARK DISTRICT

Phone (510) 843-6314

9. Number of underground tanks being closed with this plan 3

Length of piping being removed under this plan 20'

Total number of underground tanks at this facility (**confirmed with owner or operator) 3

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

**** Underground storage tanks must be handled as hazardous waste ****

a) Product/Residual Sludge/Rinsate Transporter

Name EVERGREEN OIL EPA I.D. No. CAD982413262

Hauler License No. 0242 License Exp. Date July '99

Address 6880 SMITH AVE

City NEWARK State CA Zip 94560

b) Product/Residual Sludge/Rinsate Disposal Site

Name EVERGREEN OIL EPA ID# CAD980884198

Address 6880 SMITH AVE

City NEWARK State CA Zip 94560

c) Tank and Piping Transporter

Name ECOLOGY CONTROL INDUSTRIES EPA I.D. No. CAD 982030173

Hauler License No. 1533 License Exp. Date 3/99

Address 255 PARR BLVD

City RICHMOND State CA Zip 94801

d) Tank and Piping Disposal Site

Name ERICKSON, INC EPA I.D. No. CAD 009466392

Address 255 PARR BLVD

City RICHMOND State CA Zip 94801

11. Sample Collector RICHARD S. MAKDISI, R.G.

Name STELLAR ENVIRONMENTAL SOLUTIONS

Company

Address 2110 SIXTH ST

City BERKELEY State CA Zip 94710 Phone 510 644-3123

12. Laboratory

Name SEQUOIA ANALYTICAL OF REDWOOD CITY

Address 680 CHESAPEAKE DR.

City Redwood City State CA Zip 94601

State Certification No. ELAP #1210

13. Have tanks or pipes leaked in the past? Yes[X] No[ ] Unknown[ ]

If yes, describe. DIESEL PIPING

14. Describe methods to be used for rendering tank(s) inert:

DRY ICE

Before tanks are pumped out and inerted, all associated piping must be flushed back into the tank(s). All accessible piping must then be removed. Inaccessible piping must be permanently plugged using grout.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. **It is the contractor's responsibility to have a functional combustible gas indicator on-site to verify that the tank(s) is inerted.**

15. Tank History and Sampling Information *** (see instructions) ***

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
8,000 GL LEADED UNLEADED GAS	1978 - 11/3/98	SOIL	UNDER TANK APPX 2'-4' DEEP INTO NATIVE SOIL
8,000 GL LEADED UNLEADED GAS	1978 - 11/3/98	SOIL	"
2,200 GL DIESEL GAS	1978 - 11/3/98	SOIL	"

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (estimated) 25 cubic yards	Sampling Plan

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting. ✓

Will the excavated soil be returned to the excavation immediately after tank removal? [ ] yes [X] no [ ] unknown

If yes, explain reasoning _____

_____

If unknown at this point in time, please be aware that **excavated soil may not be returned to the excavation without prior approval from this office. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling activities.**

16. Chemical methods and associated detection limits to be used for analyzing samples:

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

TPH G GCFID (5030) TPHD GCFID (3550)

BTX & E 8020

TPH AND BTX & E 8020

LEAD AA

MTBE

17. Submit Site Health and Safety Plan (See Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit

18. Submit Worker's Compensation Certificate copy

Name of Insurer STATE FUND Policy # 1340531-98

19. Submit Plot Plan ***(See Instructions)***

20. Enclose Deposit (See Instructions)

21. **Report all leaks or contamination to this office within 5 days of discovery.**
The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

22. **Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.**

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one-B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business VCI OF CALIFORNIA

Name of Individual VERL K. ROTHLISBERGER

Signature George K. Rehaw for Verl Date 11-17-98

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business EAST BAY REGIONAL PARK DISTRICT

Name of Individual STEPHEN GEHRETT

Signature Stephen Gehrett Date 11/13/98

BAAQMD TANK REMOVAL NOTIFICATION

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000

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

NOTIFICATION FORM

[X] Removal or Replacement of Tanks
[ ] Excavation of Contaminated Soil

SITE INFORMATION

SITE ADDRESS 17930 LAKE CHABOT ROAD
CITY, STATE, ZIP CASTRO VALLEY, CA 94546
OWNER NAME EAST BAY REGIONAL PARK DISTRICT
SPECIFIC LOCATION OF PROJECT SOUTH COUNTY CORPORATION YARD

TANK REMOVAL

SCHEDULED STARTUP DATE NOV. 18, '98
VAPORS REMOVED BY:
[ ] WATER WASH
[X] VAPOR FREEING (CO^2)
[ ] VENTILATION

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE NOV. 18, 1998
STOCKPILES WILL BE COVERED? YES X NO
ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):
(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME VCI of CALIFORNIA CONTACT Mr. Verl Rothlisberger
ADDRESS 2484 BAUMANN AV PHONE (510) 276-6244
CITY, STATE, ZIP SAN LORENZO, CA 94580

CONSULTANT INFORMATION
(IF APPLICABLE)

NAME STELLAR ENVIRONMENTAL SOL. CONTACT BRUCE RUCKER
ADDRESS 2110 Sixth St. PHONE ( ) 510 644-3123
CITY, STATE, ZIP BERKELEY, CA 94710

FOR OFFICE USE ONLY

DATE RECEIVED _____ BY _____ (INIT.)
CC: INSPECTOR NO. _____ DATE _____ BY _____ (INIT.)
TELEPHONE UPDATE: CALLER _____ CHANGE MADE _____
BAAQMD N # _____

3/89

BAAQMD SOIL AERATION NOTIFICATION

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
939 ELLIS STREET
SAN FRANCISCO, CALIFORNIA 94109
(415) 771-6000

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

NOTIFICATION FORM

☐ Removal or Replacement of Tanks

☒ Excavation of Contaminated Soil

SITE INFORMATION

SITE ADDRESS 17930 Lake Chabot Road - South County Corporation Yard

CITY, STATE, ZIP Castro Valley, California

OWNER NAME East Bay Regional Park District

SPECIFIC LOCATION OF PROJECT adjacent to Corporation Yard Building

TANK REMOVAL

SCHEDULED STARTUP DATE _____

VAPORS REMOVED BY:

[ ] WATER WASH

[ ] VAPOR FREEING (CO^2)

[ ] VENTILATION

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE see attached memo

STOCKPILES WILL BE COVERED? YES ____ NO X

ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):

_____
(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME VCI of Cal CONTACT Verl Rothlisberger

ADDRESS 2484 Baumann St. PHONE (510) 276-6266

CITY, STATE, ZIP San Lorenzo, CA 94580

CONSULTANT INFORMATION
(IF APPLICABLE)

NAME Stellar Environmental Solutions CONTACT Bruce Rucker

ADDRESS 2110 Sixth Street PHONE (510) 644-3123

CITY, STATE, ZIP Berkeley CA 94710

FOR OFFICE USE ONLY

DATE RECEIVED _____ BY _____ (INIT.)

CC: INSPECTOR NO. _____ DATE _____ BY _____ (INIT.)

TELEPHONE UPDATE: CALLER _____ CHANGE MADE _____

BAAQMD N # _____

3/89

Stellar Environmental Solutions
2110 Sixth Street, Berkeley, CA
Tel: 510-644-3123 ★ Fax: 510-644-3859

MEMORANDUM

Date: December 9, 1998

To: Bay Area Air Quality Management District – Enforcement Division
939 Ellis Street
San Francisco, CA 94109

From: Bruce Rucker, Stellar Environmental Solutions BMR

Subject: East Bay Regional Park District – South County Corporation Yard, Lake Chabot Road, Castro Valley, California

---

This memorandum provides supplemental information for the attached BAAQMD *Notification Form* (for on-site aeration of contaminated soil) associated with the referenced underground fuel storage tank (UFST) removal and replacement project. The Alameda County Health Care Services Agency – Hazardous Materials Division is the lead regulatory agency, and has been apprised of the proposed soil aeration activities.

The UFSTs were exposed and removed between November 9 and 18, 1998 at which time approximately 200 cubic yards of contaminated soil were stockpiled on-site and covered with plastic sheeting. Initial analytical results are summarized in the following table. Additional stockpile samples will be collected to establish the "baseline" concentration of the material prior to on-site aeration.

The generator proposes to begin the aeration process (remove the plastic sheeting) on approximately December 17, 1998. Aeration will continue until the soil is deemed by ACHCSA as suitable for re-use, or until the generator off-hauls the soil for off-site disposal.

Stellar Environmental Solutions
2110 Sixth Street, Berkeley, CA
Tel: 510-644-3123 ★ Fax: 510-644-3859

MEMORANDUM

Date: December 9, 1998

To: Bay Area Air Quality Management District – Enforcement Division
939 Ellis Street
San Francisco, CA 94109

From: Bruce Rucker, Stellar Environmental Solutions BMR

Subject: East Bay Regional Park District – South County Corporation Yard, Lake Chabot Road, Castro Valley, California

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The generator proposes to begin the aeration process (remove the plastic sheeting) on approximately December 17, 1998. Aeration will continue until the soil is deemed by ACHCSA as suitable for re-use, or until the generator off-hauls the soil for off-site disposal.

ACHCSA NOTIFICATION OF SOIL AERATION

Stellar Environmental Solutions
2110 Sixth Street, Berkeley, CA
Tel: 510-644-3123 ★ Fax: 510-644-3859

MEMORANDUM

Date: December 7, 1998

To: Robert Weston, Alameda County Health Care Services Agency
fax: (510) 337-9335

From: Richard Makdisi, Stellar Environmental Solutions

Subject: East Bay Regional Park District – South County Corporation Yard, Lake Chabot Road, Castro Valley, California

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Rob:

Sorry it has taken so long to get you the analytical table I hoped to send you last Thursday but we where waiting for some confirmation results. Not all the data is in the Table yet; they are rerunning some of the MTBE but most are completed. Also, as for the issue of whom is going to be responsible for what documentation etc., we have sorted that out with the upshot being that Stellar Environmental Solutions (SES) will be assisting the District in completing all the reporting with a comprehensive UFST closure and Replacement report to be completed by us. The District also wants SES to manage the fuel-contaminated soil that was excavated and stockpiled on site as part of the UFST removals.

The first item of the day on that issue is to get the AQCD permit filled out and submitted. We have not yet determined the volume of the soil, but we estimate it to be approximately 100 to 200 cubic yards. The District is proposing to aerate the soil on-site (vs. off-haul for landfilling). Either way we will be doing a typical soil profiling next week on the soil piles. Attached is a table summarizing the analytical concentrations of soil and water samples collected to date. The "clean" material was placed back in the base of the excavation. The District proposes, based on your approval, to manage the contaminated soil as follows:

[

Build a sturdy soil stockpile bermed area (already built as you know but we will inspect it and suggested augmentation, if needed) that will contain the soil. The stockpile will be covered and underlain by plastic sheeting to prevent rainfall from desorbing contamination and running off.

Collect three 4-point composite soil samples for laboratory analysis for gasoline, diesel, BTEX and MTBE. This will establish the "baseline" soil concentration prior to aeration.

Submit the results of the soil sampling (soil stockpile berm design, sampling methodology and analytical results) in either the upcoming UFST Removal and Replacement report, or, under separate cover, whichever you prefer. We estimate that incorporating the results into the report will extend the date for report completion by approximately 4 weeks.

I talked to Verl of VCI who estimates that he will get in the "Island" next week and the electrical/plumbing will go in then along with the completion of the backfilling and site restoration.

Please call me directly as to which reporting option you prefer. Thank you.

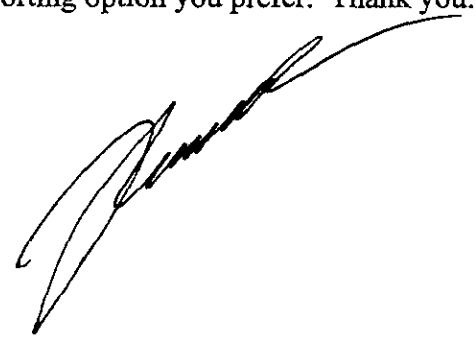


Table 1: Summary of Analytical Results
November 9 and November 18, 1988 UST Removal Project
East Bay Regional Park District, South County Corporation Yard, Castro Valley, California

Sample I.D. and Description		Sample Depth (ft. bgs)	TPH Gasoline (EPA 8015M)	TPH Diesel (EPA 8015M)	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
Soil Samples (all concentrations in mg/Kg)									
Method Reporting Limit [d]			1.0	1.0	0.005	0.005	0.005	0.005	???
November 9, 1998 Soil Samples									
Diesel Dispenser 01-2'		2'	2,300	6,900	ND	ND	ND	1.5	ND
Diesel Pea Gravel 01		4-5'	1,900	8,600	ND	ND	ND	ND	ND
Comp. Sample 01-(3)		1-2'	NA	12	NA	NA	NA	NA	NA
Gas Dipenser 01-1'		1.0'	ND	NA	ND	0.007	ND	0.028	0.45
Gas Dipenser 02-1'		1.0'	1.7	35	ND	0.009	ND	0.028	0.037
November 18, 1998 Soil Samples									
GT-01-BASE-12.5 N		12.5'	ND	2.1	ND	ND	ND	ND	0.20
GT-02-BASE-12.5 N		12.5'	6.6	1.7	ND	0.065	0.0057	0.029	ND
GT-01-BASE-12.5 S		12.5'	ND	2.3	ND	ND	ND	ND	0.025
GT-02-BASE-12.5 S		12.5'	1,300	1,500	ND	ND	ND	ND	ND
Diesel-BASE-12.5		12.5'	860	1,800	1.1	1.2	0.7	3.2	2.5
"Clean" Backfill Comp.		Not Applicable	1.6	18	ND	0.0076	ND	0.0054	0.098
Soil ARAR[1]			10 to 1,000	100 to 10,000					

UFST RELEASE REPORT

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

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED ? ☐ YES ☒ NO

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
SIGNED Robert Weston DATE 10-28-98

REPORT DATE 10/28/98 CASE #

REPORTED BY
NAME OF INDIVIDUAL FILING REPORT: ROBERT WESTON
PHONE: (510) 567-6781
SIGNATURE: Robert Weston
REPRESENTING ☐ OWNER/OPERATOR ☐ REGIONAL BOARD ☒ LOCAL AGENCY ☐ OTHER
COMPANY OR AGENCY NAME: COUNTY OF ALAMEDA ENV HEALTH
ADDRESS: 1131 HARBOR BAY PARKWAY (STREET) ALAMEDA (CITY) CA (STATE) 94502 (ZIP)

RESPONSIBLE PARTY
NAME: EAST BAY REGIONAL PARK DIST ☐ UNKNOWN
CONTACT PERSON: STEPHEN GEHRETT
PHONE: (510) 881-1833
ADDRESS: 2501 GRIZZLY PEAK BLVD (STREET) BERKELEY (CITY) CA (STATE) 94618 (ZIP)

SITE LOCATION
FACILITY NAME (IF APPLICABLE): SOUTH COUNTY YARD
OPERATOR: EBRPD
PHONE: (510) 881 1833-32
ADDRESS: 17930 LAKE CHABOT ROAD (STREET) CASTRO VALLEY (CITY) ALAMEDA (COUNTY) 94546 (ZIP)
CROSS STREET

IMPLEMENTING AGENCIES
LOCAL AGENCY / AGENCY NAME: COUNTY OF ALAMEDA ENV ALT
CONTACT PERSON: ROBERT WESTON
PHONE: (510) 567-6781
REGIONAL BOARD: SF RWQCB
CONTACT PERSON: CHUCK HEADLEY
PHONE: (510) 622-2435

SUBSTANCES INVOLVED
(1) NAME: DIESEL — QUANTITY LOST (GALLONS) ☒ UNKNOWN
(2) ☐ UNKNOWN

DISCOVERY/ABATEMENT
DATE DISCOVERED: 10/28/98
HOW DISCOVERED ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☐ TANK REMOVAL ☒ OTHER UST MODIFICATION
DATE DISCHARGE BEGAN ☒ UNKNOWN
HAS DISCHARGE BEEN STOPPED ? ☐ YES ☐ NO IF YES, DATE
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☐ REMOVE CONTENTS ☐ CLOSE TANK & REMOVE ☒ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER

SOURCE/CAUSE
SOURCE OF DISCHARGE: ☐ TANK LEAK ☐ UNKNOWN ☒ PIPING LEAK ☐ OTHER
CAUSE(S): ☐ OVERFILL ☒ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☐ UNKNOWN ☐ OTHER

CASE TYPE
CHECK ONE ONLY
☒ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS
CHECK ONE ONLY
☒ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☐ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION
CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☒ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CAP SITE (CD) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ CONTAINMENT BARRIER (CB) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS)
☐ VACUUM EXTRACT (VE) ☐ OTHER (OT)

COMMENTS
SUCTION PIPING FOR DIESEL DISPENSER FOUND LEAKING INTO BACKFILL AT UNION.

HSC 05 (8/90)

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

II, III

Site ID # 1813 Site Name EBRPD S. COUNTY YARD Today's Date 11/18/98

Site Address 17930 LAKE CHABOT ROAD

City CASTRO VALLEY Zip 94546 Phone _____

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

Inspection Categories:

_____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
_____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
X III. Underground Storage Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C) 7145 –

Comments: 1400.02 1402.0213

ON SITE TODAY TO WITNESS THE REMOVAL OF TANKS SW FRP USTS. TANK 1 DAMAGED DURING EXCAVATION. TANK 3 SHOWS SIGNS OF DIESEL FUEL RELEASE W/ STAINING OF TANK AND BACKFILL.

9:30 TANK 2 NOT TO BE REMOVED.

1:00 STOP

Resumed TANKS TRANSPORTED BY TRIDENT TRUCKING.

STAINING OBSERVED BY RICHARD MALDIS & STELLAR ENVIRONMENTAL

PONDED H_2O IN THE EXCAVATION FROM RAINFALL ON 11-17-98. FRACTURED BEDROCK COMPOSES EXCAVATION PERIMETER OF THE EXCAVATION.

H_2O SAMPLE TAKEN FROM EXCAVATION.

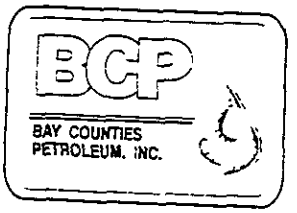
Contact STEPHEN GEHRETT
Title EQUIPMENT MANAGER
Signature [signature]

IV, III

Inspector ROBERT WESTON
Signature [signature]

PUMP-OUT OF RESIDUAL FUEL IN TANKS

EBRP
LAKE CHABOT PARK
17930 LAKE CHABOT RD



Bay Counties Petroleum Inc.
3357 Gardella Plaza
Livermore, CA 94550
Phone (510) 447-2882
FAX (510) 447-0149

DELIVERY INVOICE **No.** 2242

ORIGINAL INVOICE

DATE 11/13/98

CUSTOMER ORDER NO

CASH

IF CASH SALE WRITE "PAID" & INITIAL

CHECK

S-28's

DELIVERED BY (SIGNATURE IN FULL)

PACKAGES NO.	KIND	PRODUCT DELIVERED	CODE	QUANTITY	TAX RATES INCLUDE IN PRICE FED	STATE	LOC	SALES TAX ST	LOC	PRICE	AMOUNT
		PUMP OUT ULD + D/F									
		APPROX 5300 ULD + 450 D/F									
		GAS 4635									
		DSL 373									
		Lake Elsios									

EQUIPMENT #

QUANTITY HASH TOTAL

DRUMS
DEL TO
REC'D FROM
TOTAL CHARGE

SUBTOTAL
SALES TAX
DRUMS
INVOICE TOTAL DUE

PLEASE PAY BY INVOICE • DENT PAY BY INVOICE NO. AND DATE

NOTE: MAKE CHECK PAYABLE TO: BAY COUNTIES PETROLEUM, INC. • 3357 GARDELLA PLAZA • LIVERMORE, CA 94550

ORIGINAL CUSTOMER COPY

DRY ICE (TANK INERTING) RECEIPT

VISIT OUR WEB SITE!
WWW.AIRGAS.COM

TUESDAY 7:00 AM

TERMS: NET 10 PROX
(Subject to Service Charge of 1½% per month after 30 days.)

	FILLED	REVIEWED	STAGING AREA	TOTAL PKGS	FREIGHT CHARGES	SHIPPED: DELIVERED VIA ON ____ 19 ____ BL # ____			
						PCS	ZONE	GR WEIGHT	DECL VALUE $
ITEM COUNT									
BY									

SOLD BY:

AIRGAS
1771 TIMOTHY DRIVE
SAN LEANDRO CA 94577
(510) 352-0525

P/O NO:

REL NO:

TTL CYLS OUT/IN

INTERNAL USE ONLY: 1268120844

CUST. NO: F6000

SHIPPER NO: 164430-00

ORD DATE: 11/12/98

PAGE NO: 001 OF 001

SHIP TO:

V C I OF CALIFORNIA
2484 BAUMANN AVE

SAN LORENZO CA 94580-1802 12-NOV-98 02:36PM CRT:OPAO

SOLD TO: V C I OF CALIFORNIA

TRAN TYPE	SLSM	BRCH	TERR	UPS	PPD	COLL	SHIP VIA	ROUTING	SCHEDULED SHIP DATE	ENTERED BY
CHRG	561	81	81	0	X		WILL CALL		11/12/98	518

LINE NO.	ITEM NUMBER	ITEM DESCRIPTION	UNIT	QTY ORDERED	SHIP QTY	-CYLINDER- SHIP	RETN	TOTAL VOLUME	UNIT AMOUNT	EXTENDED AMOUNT
	~~** Location: 81 **~~									
1	HOP DRYICE	DRY ICE	LB	600	600	0	0	0	.60	360.00
2	PELLETS									

Subtotal 360.00

Tax: 29.70

Total Sale 389.70

RECEIVED
E.B.R.P.D. CONTROL
DEC 7 9 33 AM '98

TANK REMOVAL

RECEIVED
E.B.R.P.D. CONTROL
DEC 7 11 42 AM '98

PLACARDS OFFERED

ACCEPT ☐ REJECT ☐

CUSTOMER MUST INITIAL CHOICE.

UPS SHIPPER NO.

PKG-ID# 164430-00

IMPORTANT: PLEASE READ CAREFULLY THE TERMS AND CONDITIONS OF SALE WHICH APPEAR ON THE REVERSE SIDE OF THIS DOCUMENT. ALL SALES MADE ARE SUBJECT TO SUCH TERMS AND CONDITIONS. CUSTOMER'S SIGNATURE HEREON VERIFIES SHIPPED AND RETURNED RENTAL CYLINDER COUNT.

ACCEPTED FOR THE ABOVE CUSTOMER X

NAME PLEASE PRINT

SHIP TO
V C I OF CALIFORNIA
2484 BAUMANN AVE

SAN LORENZO CA 94580-1802

THIS IS TO CERTIFY THAT THE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

IN CASE OF TRANSPORTATION EMERGENCY, CALL CHEMTREC 1-800-424-9300.

PO.	CUST	UPS
	F6000	0

SHIPPER#	DATE	SHIP VIA	
164430-00	12/98	CALL	-NONE-

AIRGAS | DATE | T.O.D.

TANK TRANSPORT MANIFESTS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back page 6: 974680

Department of Toxic Substances Contr
Sacramento, California

98084135

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

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC010157746 — Manifest Document No. 80 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address: EAST BAY Regional Park
17930 Lake Chabot Blvd
4. Generator's Phone (510) 569-1833 CASTRO VALLEY CA 94546

A. State Manifest Document Number: 98084135
B. State Generator's ID:

5. Transporter 1 Company Name: TRIDENT TRUCKLINES — 6. US EPA ID Number: CAD982484370
C. State Transporter's ID:
D. Transporter's Phone: (510) 783-2881

7. 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: CAD009466392
H. Facility's Phone: 510-235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
WASTE EMPTY STORAGE TANK Non-RCRA hazardous waste solid	001	TP	9104	P	State 512 EPA/Other NONE
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
QTY. 1 EMPTY STORAGE TANK(S) # 24710
_____ TANK(S) HAVE BEEN INERTED WITH
15 LBS DRY ICE PER 1000 GALLONS CAPACITY.

K. Handling Codes for Wastes Listed Above
a. 01 — b.
c. — d.

15. Special Handling Instructions and Additional Information
Wear appropriate protective clothing when handling. SITE LOCATION: CASTRO VALLEY
24 Hour Emergency Telephone Number: 510 569-1833
24 Hour Emergency Contact: ERG 171

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	Signature	Month	Day	Year
LIZ LOPEZ		11	18	98

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
BOB SONNA		11	18	98

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

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	Signature	Month	Day	Year
DAVID SATO	DAVE SATO	11	18	98

DO NOT WRITE BELOW THIS LINE.

Yellow — TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS. (Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

DTSC 8022A (4/97)
EPA 8700—22

State of California—Environmental Protection Agency
Form Approved OMB No 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back page 6. 14680

Department of Toxic Substances Control
Sacramento, California

98084134

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.
CA 000 150 [illegible]	14680		

GENERATOR

3. Generator's Name and Mailing Address
EASTBAY [illegible]
7950 CAKE CREEK BLVD
CASTROVILLE CA 95540

4. Generator's Phone (510) 551-1737

A. State Manifest Document Number: 9808413

B. State Generator's ID:

5. Transporter 1 Company Name: TRIDENT TRUCKLINES

6. US EPA ID Number: CAD982464370

C. State Transporter's ID:

D. Transporter's Phone: (510) 783-2881

7. 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: CAD009463392

G. State Facility's ID: CAD009463392

H. Facility's Phone: 510-235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. WASTE EMPTY STORAGE TANK Non-RCRA hazardous waste solid	002	TP	00110	P	State: 512 EPA/Other: NONE
b.					State: EPA/Other:
c.					State: EPA/Other:
d.					State: EPA/Other:

J. Additional Descriptions for Materials Listed Above
QTY. 2 EMPTY STORAGE TANK(S) # 24709 24711
TANK(S) HAVE BEEN INERTED WITH
15 LBS DRY ICE PER 1000 GALLONS CAPACITY.

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
Wear appropriate protective clothing when handling. SITE LOCATION: CASTRO VALLEY
24 Hour Emergency Telephone Number: 510 551-1737
24 Hour Emergency Contact: ERG 17

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	Signature	Month	Day	Year
GIL LOPEZ	[signature]	11	18	97

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
BOB SEMMA	[signature]	11	18	97

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space
11/18/97

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. MANAGER

Printed/Typed Name	Signature	Month	Day	Year
DAVID SATO	[signature]	11	18	97

DO NOT WRITE BELOW THIS LINE.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS. (Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

DTSC 8022A (4/97)
EPA 8700—22

1650
12
30

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

CERTIFICATES OF TANK DESTRUCTION

OR NIGHT
ELEPHONE
(510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 30437

CUSTOMER

JOB NO. 974880 EAST BAY REGIONAL

FOR: ERICKSON, INC. TANK NO. 24710

LOCATION: RICHMOND, CA DATE: 11/20/98 TIME: 2:24:30 PM

VISUAL GASTECH/1314 SMPN UG

EST 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.

TANK SIZE 8,000 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ERICKSON, INC. HERBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.

ERICKSON, INC. HAS THE APROPRIATE 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 permissable 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.

Patricia Collins — REPRESENTATIVE

TITLE

Dave Lobo — INSPECTOR

CP5995

OR NIGHT
ELEPHONE
(510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 3043

CUSTOMER

JOB NO. ~~374690~~ EAST BAY REGIONAL

FOR: ERICKSON, INC. TANK NO. 24709

LOCATION: RICHMOND, CA DATE: 11/18/98 TIME: 2:22:18 PM

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT UG

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 8,000 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ERICKSON, INC. HERBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.

ERICKSON, INC. HAS THE APROPRIATE 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 permissable 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.

Patricia Gallardo — Dave Fatt

REPRESENTATIVE TITLE INSPECTOR

CP5995

OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 30439

CUSTOMER	974680
JOB NO.	EAST BAY REGIONAL

FOR: ERICKSON, INC. TANK NO. 24711

LOCATION: RICHMOND, CA DATE: 11/18/98 TIME: 2:26:53 PM

TEST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT UG

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 2,000 GALLON TANK CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ERICKSON, INC. HERBY CERTIFIES THAT THE ~~ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR~~ PERMITTED HAZARDOUS WASTE FACILITY

ERICKSON, INC. HAS THE APROPRIATE 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 permissable 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.

Nathael Allen — REPRESENTATIVE

TITLE

Dave Jatt — INSPECTOR

CP5995

UFST EXCAVATION AND OVERBURDEN SAMPLES

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Stellar Environmental 2110 Sixth Street Berkeley, CA 95710 Attention: Bruce Ruchen	Client Proj. ID: Chebst UFST Lab Proj. ID: 9811591	Received: 11/10/98 Reported: 11/12/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 11 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Stellar Environmental	Client Proj. ID: Chabot UFST	Sampled: 11/09/98
2110 Sixth Street	Sample Descript: Gas Dispenser 01-1'	Received: 11/10/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/11/98
	Analysis Method: 8015Mod/8020	Analyzed: 11/11/98
Attention: Bruce Rucher	Lab Number: 9811591-01	Reported: 11/12/98

QC Batch Number: GC111198BTEXEXA
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	**0.025**	**0.45**
Benzene	0.0050	N.D.
Toluene	**0.0050**	**0.007**
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	**0.0050**	**0.028**
Chromatogram Pattern:		
Discrete Peaks		**C9-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	76
4-Bromofluorobenzene	60	140	86

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Stellar Environmental	Client Proj. ID: Chabot UFST	Sampled: 11/09/98
2110 Sixth Street	Sample Descript: Gas Dispenser 02-1'	Received: 11/10/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/11/98
	Analysis Method: 8015Mod/8020	Analyzed: 11/11/98
Attention: Bruce Rucher	Lab Number: 9811591-02	Reported: 11/12/98

QC Batch Number: GC111198BTEXEXA
Instrument ID: GCHP7

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**1.0**	**1.7**
Methyl t-Butyl Ether	**0.025**	**0.037**
Benzene	0.0050	N.D.
Toluene	**0.0050**	**0.009**
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	**0.0050**	**0.028**
Chromatogram Pattern:		**GAS**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	86
4-Bromofluorobenzene	60	140	86

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Stellar Environmental	Client Proj. ID: Chabot UFST	Sampled: 11/09/98
2110 Sixth Street	Sample Descript: Diesel Dispenser 01-2	Received: 11/10/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/11/98
	Analysis Method: 8015Mod/8020	Analyzed: 11/11/98
Attention: Bruce Rucher	Lab Number: 9811591-03	Reported: 11/12/98

QC Batch Number: GC111198BTEXEXA
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**250**	**2300**
Methyl t-Butyl Ether	6.2	N.D.
Benzene	1.2	N.D.
Toluene	1.2	N.D.
Ethyl Benzene	1.2	N.D.
Xylenes (Total)	**1.2**	**1.5**
Chromatogram Pattern:		
Unidentified HC		**>C10**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	72
4-Bromofluorobenzene	60	140	3.0 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Stellar Environmental	Client Proj. ID: Chabot UFST	Sampled: 11/09/98
2110 Sixth Street	Sample Descript: Diesel Dispenser 01-2	Received: 11/10/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/09/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/11/98
Attention: Bruce Rucher	Lab Number: 9811591-03	Reported: 11/12/98

QC Batch Number: GC1109980HBPEXD
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	**200**	**6900**
Chromatogram Pattern:	**C9-C24**	**W.DIESEL**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Stellar Environmental	Client Proj. ID: Chabot UFST	Sampled: 11/09/98
2110 Sixth Street	Sample Descript: Comp Sample 01-(3)	Received: 11/10/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/09/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/11/98
Attention: Bruce Rucher	Lab Number: 9811591-04	Reported: 11/12/98

QC Batch Number: GC1109980HBPEXD
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	**1.0**	**12**
Chromatogram Pattern:	**C9-C24**	**W.DIESEL**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	88

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Stellar Environmental	Client Proj. ID: Chabot UFST	Sampled: 11/09/98
2110 Sixth Street	Sample Descript: Diesel Pea Gravel 01	Received: 11/10/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/11/98
	Analysis Method: 8015Mod/8020	Analyzed: 11/11/98
Attention: Bruce Rucher	Lab Number: 9811591-05	Reported: 11/12/98

QC Batch Number: GC111198BTEXEXA
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**250**	**1900**
Methyl t-Butyl Ether	6.2	N.D.
Benzene	1.2	N.D.
Toluene	1.2	N.D.
Ethyl Benzene	1.2	N.D.
Xylenes (Total)	1.2	N.D.
Chromatogram Pattern:		
Unidentified HC		**>C10**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	77
4-Bromofluorobenzene	60	140	3.0 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Stellar Environmental	Client Proj. ID: Chabot UFST	Sampled: 11/09/98
2110 Sixth Street	Sample Descript: Diesel Pea Gravel 01	Received: 11/10/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/09/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/11/98
Attention: Bruce Rucher	Lab Number: 9811591-05	Reported: 11/12/98

QC Batch Number: GC1109980HBPEXD
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	**400**	**8600**
Chromatogram Pattern:	**C9-C24**	**W.DIESEL**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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Stellar Environmental
2110 Sixth Street
Berkely, CA 95710
Attention: Bruce Rucker

Client Project ID: Chebst UFST

QC Sample Group: 9811591

Reported: Nov 15, 1998

QUALITY CONTROL DATA REPORT

Matrix: Solid
Method: EPA 8015
Analyst: R.GECKLER

ANALYTE Gasoline

QC Batch #: GC111198BTEXEXA

Sample No.: 9811591-1
Date Prepared: 11/11/98
Date Analyzed: 11/11/98
Instrument I.D.#: GCHP31

ample Conc., mg/Kg: N.D.
Conc. Spiked, mg/Kg: 5.0

Matrix Spike, mg/Kg: 5.6
% Recovery: 112

Matrix
ike Duplicate, mg/Kg: 5.1
% Recovery: 102

elative % Difference: 9.3

RPD Control Limits: 0-25

LCS Batch#: GC111198BTEXEXA

Date Prepared: 11/11/98
Date Analyzed: 11/11/98
Instrument I.D.#: GCHP31

Conc. Spiked, mg/Kg: 5.0

Recovery, mg/Kg: 5.2
LCS % Recovery: 104

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Tony McMahon

Anthony P. McMahon
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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Stellar Environmental
2110 Sixth Street
Berkely, CA 95710
Attention: Bruce Rucker

Client Project ID: Chebst UFST

QC Sample Group: 9811591

Reported: Nov 15, 1998

QUALITY CONTROL DATA REPORT

Matrix: Solid
Method: EPA 8015M
Analyst: A. PORTER

ANALYTE Diesel

QC Batch #: GC1109980HBPEXD (1:10)

Sample No.: 9811454-01 (1:10)
Date Prepared: 10/9/98
Date Analyzed: 10/10/98
Instrument I.D.#: GCHP4A

ample Conc., mg/Kg:	N.D.
Conc. Spiked, mg/Kg:	5000
Matrix Spike, mg/Kg:	9200
% Recovery:	184
Matrix ike Duplicate, mg/Kg:	9100
% Recovery:	182
elative % Difference:	1.1
RPD Control Limits:	0-50

THE MS AND MSD BOTH HAD HIGH MATRIX RECOVERY AND SURROGATE RECOVERY. THE BLANK, LCS AND ALL THE SAMPLE WERE ACCEPTABLE.

LCS Batch#: BLK110998DS (1:10)

Date Prepared: 10/9/98
Date Analyzed: 10/10/98
Instrument I.D.#: GCHP4A

Conc. Spiked, mg/Kg: 5000

Recovery, mg/Kg: 5100
LCS % Recovery: 102

Percent Recovery Control Limits:

MS/MSD	*50-150*
LCS	60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Anthony P. McMahon
Project Manager

Please Note.
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch

STELLAR ENVIRONMENTAL SOLUTIONS

Chain of Custody Record

Laboratory SEQUOIA LABORATORY (~~ACKERLEY ENVIRONMENTAL~~)
Address 680 CHESAPEAKE DR. REDWOOD CITY CA 94063

Client EAST BAY PARKS DISTRICT
Address

Project Name ~~SE980??~~ CHEST LIFT
Project Number SES98035

Method of Shipment Pickup.
Shipment No.
Airbill No.
Cooler No. 01
Project Manager Bruce Ruckert
Telephone No. 644-3123
Fax. No. 644-3859
Samplers: (Signature)

Lab Job no.:
Date 11/9/98
Page 1 of 1

24 hour RUSH.

Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Temp.	Preservation: Chemical	Filtered?	No. of Containers	TPH, TPH Diesel, BTEX, MTBE	TPH as only	TPH as Diesel	BTEX, MTBE	Remarks
Gas Dispenser 01-1'	2'	11/9/98	12:50	Soil	Glass Jar	Ice								hold for additional analyses
Gas Dispenser 02-1	2'	11/9/98	11:05	Soil	Glass Jar	"					X			hold for more possible analysis
Diesel Dispenser 01-2	2'	11/9/98	1:15	Soil	Glass Jar	"					X			BTEX, TPH as Diesel, MTBE
Comp Sample 01-(3)	1-2 feet	11/9/98	2:30	Soil	Glass Jar	"								hold for additional
Diesel Pea Gravel 01	4-5'	11/9/98	4:00 PM	Soil	Glass Jar	"								near side of tank

Relinquished by:
Signature
Printed R MAKDISI
Company Stellar Environmental
Reason Lab pick-up.
Date 11/10/98
Time 11:00 AM

Received by:
Signature
Printed JOHN FRICKE
Company Sequoia Analytical
Date 11/10
Time 1118

Relinquished by:
Signature
Printed JOHN FRICK
Company Sequoia Analytical
Reason
Date
Time

Received by:
Signature
Printed
Company
Date
Time

Comments:
Please Fax Results ASAP
24 Hour RUSH TURNAROUND
ON ALL

Relinquished by:
Signature
Printed
Company
Reason
Date
Time

Received by:
Signature
Printed
Company W.D. Jones
Date 11-10
Time 1309

SES-2110 Sixth Street, Berkeley, CA 95710

Sequoia Analytical

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Stellar Environmental 2110 Sixth Street Berkeley, CA 95710 Attention: R. Makdisi	Client Proj. ID: SES98039/Chabot UFST Site Lab Proj. ID: 9811554	Received: 11/19/98 Reported: 12/03/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of_____ pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

GAS BTEX NOTE:
Sample 9811554-01 was originally analyzed within hold time, but the closing standard for the set failed.

The sample was re-analyzed one day out of hold time and the reproducability of the data confirmed the presence of the compounds: MTBE, Benzene and Toluene and their concentrations in the sample.

TEPH NOTE:
The analysis of these samples neccesitated sizable dilutions.When such dilutions are made the surrogates were diluted out.

Q Flag: This indicates surrogates out of range.

SEQUOIA ANALYTICAL

Project Manager

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Stellar Environmental	Client Proj. ID: SES98039/Chabot UFST Site	Sampled: 11/18/98
2110 Sixth Street	Sample Descript: Excavation H2O	Received: 11/19/98
Berkeley, CA 95710	Matrix: LIQUID	Extracted: 11/23/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/30/98
Attention: R. Makdisi	Lab Number: 9811554-01	Reported: 12/03/98

QC Batch Number: GC1123980HBPEXZ
Instrument ID: GCHP19B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	5000	100000
Chromatogram Pattern: **Weathered Diesel**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

Sequoia Analytical

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Stellar Environmental	Client Proj. ID: SES98039/Chabot UFST Site	Sampled: 11/18/98
2110 Sixth Street	Sample Descript: Excavation H2O	Received: 11/19/98
Berkeley, CA 95710	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/03/98
Attention: R. Makdisi	Lab Number: 9811554-01	Reported: 12/03/98

QC Batch Number: GC120398BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	20000	N.D.
Methyl t-Butyl Ether	**1000**	**56000**
Benzene	**200**	**300**
Toluene	**200**	**280**
Ethyl Benzene	200	N.D.
Xylenes (Total)	200	N.D.
Chromatogram Pattern:		
Discrete Peaks		**C6-C8**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	118

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tony McMahon

Project Manager

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Stellar Environmental	Client Proj. ID: SES98039/Chabot UFST Site	Sampled: 11/18/98
2110 Sixth Street	Sample Descript: GT-01-BASE-12.5N	Received: 11/19/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/23/98
	Analysis Method: 8015Mod/8020	Analyzed: 11/24/98
Attention: R. Makdisi	Lab Number: 9811554-02	Reported: 12/03/98

QC Batch Number: GC112398BTEXEXC
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	**0.025**	**0.20**
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	96
4-Bromofluorobenzene	60	140	78

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tony McMahon

Project Manager

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Stellar Environmental	Client Proj. ID: SES98039/Chabot UFST Site	Sampled: 11/18/98
2110 Sixth Street	Sample Descript: GT-01-BASE-12.5N	Received: 11/19/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/24/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/26/98
Attention: R. Makdisi	Lab Number: 9811554-02	Reported: 12/03/98

QC Batch Number: GC1124980HBPEXA
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	2.1
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	96

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tony McMahon.

Project Manager

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Stellar Environmental	Client Proj. ID: SES98039/Chabot UFST Site	Sampled: 11/18/98
2110 Sixth Street	Sample Descript: GT-02-BASE-12.5N	Received: 11/19/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/23/98
	Analysis Method: 8015Mod/8020	Analyzed: 11/30/98
Attention: R. Makdisi	Lab Number: 9811554-03	Reported: 12/03/98

QC Batch Number: GC112398BTEXEXC
Instrument ID: GCHP31

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**1.0**	**6.6**
Methyl t-Butyl Ether	0.025	N.D.
Benzene	0.0050	N.D.
Toluene	**0.0050**	**0.065**
Ethyl Benzene	**0.0050**	**0.0057**
Xylenes (Total)	**0.0050**	**0.029**
Chromatogram Pattern:		
Weathered Gas		**C8-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	158 Q
4-Bromofluorobenzene	60	140	7 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tony McMahon

Project Manager

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Stellar Environmental	Client Proj. ID: SES98039/Chabot UFST Site	Sampled: 11/18/98
2110 Sixth Street	Sample Descript: GT-02-BASE-12.5N	Received: 11/19/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/24/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/26/98
Attention: R. Makdisi	Lab Number: 9811554-03	Reported: 12/03/98

QC Batch Number: GC1124980HBPEXA
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	1.7
Chromatogram Pattern:		
Unidentified HC		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	94

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

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Stellar Environmental	Client Proj. ID: SES98039/Chabot UFST Site	Sampled: 11/18/98
2110 Sixth Street	Sample Descript: GT-01-BASE-12.5S	Received: 11/19/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/23/98
	Analysis Method: 8015Mod/8020	Analyzed: 11/24/98
Attention: R. Makdisi	Lab Number: 9811554-04	Reported: 12/03/98

QC Batch Number: GC112398BTEXEXC
Instrument ID: GCHP31

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Methyl t-Butyl Ether	**0.025**	**0.025**
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	104
4-Bromofluorobenzene	60	140	80

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tony M. Maher

Project Manager

Sequoia Analytical

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Stellar Environmental	Client Proj. ID: SES98039/Chabot UFST Site	Sampled: 11/18/98
2110 Sixth Street	Sample Descript: GT-01-BASE-12.5S	Received: 11/19/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/24/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/26/98
Attention: R. Makdisi	Lab Number: 9811554-04	Reported: 12/03/98

QC Batch Number: GC1124980HBPEXA
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	1.0	2.3
Chromatogram Pattern: **Unidentified HC**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	104

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tony McMahon

Project Manager

Sequoia Analytical

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Stellar Environmental	Client Proj. ID: SES98039/Chabot UFST Site	Sampled: 11/18/98
2110 Sixth Street	Sample Descript: GT-02-BASE-12.5S	Received: 11/19/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/23/98
	Analysis Method: 8015Mod/8020	Analyzed: 12/01/98
Attention: R. Makdisi	Lab Number: 9811554-05	Reported: 12/03/98

QC Batch Number: GC112398BTEXEXC
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**500**	**1300**
Methyl t-Butyl Ether	12	N.D.
Benzene	2.5	N.D.
Toluene	2.5	N.D.
Ethyl Benzene	2.5	N.D.
Xylenes (Total)	2.5	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	89
4-Bromofluorobenzene	60	140	Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

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Stellar Environmental	Client Proj. ID: SES98039/Chabot UFST Site	Sampled: 11/18/98
2110 Sixth Street	Sample Descript: GT-02-BASE-12.5S	Received: 11/19/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/24/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/30/98
Attention: R. Makdisi	Lab Number: 9811554-05	Reported: 12/03/98

QC Batch Number: GC1124980HBPEXA
Instrument ID: GCHP19A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	100	1500
Chromatogram Pattern: **Weathered Diesel**		C9-C24

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

Sequoia Analytical

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Stellar Environmental	Client Proj. ID: SES98039/Chabot UFST Site	Sampled: 11/18/98
2110 Sixth Street	Sample Descript: Diesel-BASE-12.5	Received: 11/19/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/23/98
	Analysis Method: 8015Mod/8020	Analyzed: 11/30/98
Attention: R. Makdisi	Lab Number: 9811554-06	Reported: 12/03/98

QC Batch Number: GC112398BTEXEXC
Instrument ID: GCHP22

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**50**	**860**
Methyl t-Butyl Ether	**1.2**	**2.5**
Benzene	**0.25**	**1.1**
Toluene	**0.25**	**1.2**
Ethyl Benzene	**0.25**	**0.70**
Xylenes (Total)	**0.25**	**3.2**
Chromatogram Pattern:		
Unidentified HC		**C10-C13**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	124
4-Bromofluorobenzene	60	140	8 Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

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Stellar Environmental	*Client Proj. ID:* SES98039/Chabot UFST Site	Sampled: 11/18/98
2110 Sixth Street	Sample Descript: Diesel-BASE-12.5	Received: 11/19/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/24/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/30/98
Attention: R. Makdisi	Lab Number: 9811554-06	Reported: 12/03/98

QC Batch Number: GC1124980HBPEXA
Instrument ID: GCHP19A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	**100**	**1800**
Chromatogram Pattern: **Weathered Diesel**		**C9-C24**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	Q

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Stellar Environmental	Client Proj. ID: SES98039/Chabot UFST Site	Sampled: 11/18/98
2110 Sixth Street	Sample Descript: Clean Backfill Comp	Received: 11/19/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/23/98
	Analysis Method: 8015Mod/8020	Analyzed: 12/01/98
Attention: R. Makdisi	Lab Number: 9811554-07	Reported: 12/03/98

QC Batch Number: GC112398BTEXEXC
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	**1.0**	**1.6**
Methyl t-Butyl Ether	**0.025**	**0.098**
Benzene	0.0050	N.D.
Toluene	**0.0050**	**0.0076**
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	**0.0050**	**0.0054**
Chromatogram Pattern:		
Unidentified HC		**C8-C13**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	87
4-Bromofluorobenzene	60	140	62

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tony McMahon

Project Manager

Sequoia Analytical

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Stellar Environmental	Client Proj. ID: SES98039/Chabot UFST Site	Sampled: 11/18/98
2110 Sixth Street	Sample Descript: Clean Backfill Comp	Received: 11/19/98
Berkeley, CA 95710	Matrix: SOLID	Extracted: 11/24/98
	Analysis Method: EPA 8015 Mod	Analyzed: 11/30/98
Attention: R. Makdisi	Lab Number: 9811554-07	Reported: 12/03/98

QC Batch Number: GC1124980HBPEXA
Instrument ID: GCHP19A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TEPH as Diesel	**2.0**	**18**
Chromatogram Pattern: **Weathered Diesel**	**C18-C24**	**C9-C24+**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	124

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Tony McEvahon

Project Manager

Sequoia Analytical

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Stellar Environmental
2110 Sixth Street
Berkelely, CA 95710
Attention: R. Makdisi

Client Project ID: SES98039/Chabot UFST Site

QC Sample Group: 9811554

Reported: Dec 7, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8015
Analyst: TLP

ANALYTE Gasoline

QC Batch #: GC120398BTEX03A

Sample No.: GW9812010-05
Date Prepared: 12/3/98
Date Analyzed: 12/3/98
Instrument I.D.#: GCHP03

Sample Conc., ug/L: N.D.
Conc. Spiked, ug/L: 250

Matrix Spike, ug/L: 240
% Recovery: 97

Matrix pike Duplicate, ug/L: 250
% Recovery: 100.0

elative % Difference: 3.0

RPD Control Limits: 0-25

LCS Batch#: GC120398BTEX03A

Date Prepared: 12/3/98
Date Analyzed: 12/3/98
Instrument I.D.#: GCHP03

Conc. Spiked, ug/L: 250

LCS Recovery, ug/L: 240
LCS % Recovery: 96

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

Tony McMahon

Anthony P. McMahon
Project Manager

Sequoia Analytical

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Stellar Environmental
2110 Sixth Street
Berkelely, CA 95710
Attention: R. Makdisi

Client Project ID: SES98039/Chabot UFST Site

QC Sample Group: 9811554

Reported: Dec 7, 1998

QUALITY CONTROL DATA REPORT

Matrix: Solid
Method: EPA 8015M
Analyst: A. PORTER

ANALYTE Diesel

QC Batch #: GC1124980HBPEXA

Sample No.: 9811827-09
Date Prepared: 11/24/98
Date Analyzed: 11/25/98
Instrument I.D.#: GCHP4A

ample Conc., mg/Kg: N.D.
Conc. Spiked, mg/Kg: 17

THE MS DID NOT RUN DUE TO THE FACT
A DIESEL ANALYST DROP THE VIAL
AFTER RECIEVING THE VIAL

Matrix Spike, mg/Kg: 17
% Recovery: 100.0

Matrix
ike Duplicate, mg/Kg: 16
% Recovery: 94

elative % Difference: 6.2

RPD Control Limits: 0-50

LCS Batch#: BLK112498AS

Date Prepared: 11/24/98
Date Analyzed: 11/25/98
Instrument I.D.#: GCHP4A

Conc. Spiked, mg/Kg: 17

Recovery, mg/Kg: 14
LCS % Recovery: 82

Percent Recovery Control Limits:

MS/MSD	50-150
LCS	60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Anthony P. McMahon
Project Manager

Please Note:
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Stellar Environmental
2110 Sixth Street
Berkeley, CA 95710
Attention: R. Makdisi

Client Project ID: SES98039/Chabot UFST Site

QC Sample Group: 9811554

Reported: Dec 7, 1998

QUALITY CONTROL DATA REPORT

Matrix: Solid
Method: EPA 8020
Analyst: G.P.

ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC112398BTEXEXC			
Sample No.:	9811D75-1			
Date Prepared:	11/23/98	11/23/98	11/23/98	11/23/98
Date Analyzed:	11/24/98	11/24/98	11/24/98	11/24/98
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18
ample Conc., mg/Kg:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, mg/Kg:	0.20	0.20	0.20	0.60
Matrix Spike, mg/Kg:	0.24	0.22	0.23	0.66
% Recovery:	120	110	115	110
Matrix ike Duplicate, mg/Kg:	0.25	0.22	0.23	0.65
% Recovery:	125	110	115	108
elative % Difference:	4 1	0.0	0.0	1.8
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GC112398BTEXEXC			
Date Prepared:	11/23/98	11/23/98	11/23/98	11/23/98
Date Analyzed:	11/24/98	11/24/98	11/24/98	11/24/98
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18
Conc. Spiked, mg/Kg:	0.20	0.20	0.20	0.60
Recovery, mg/Kg:	0.22	0.22	0.23	0.66
LCS % Recovery:	110	110	115	110

Percent Recovery Control Limits:

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Anthony P. McMahon
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Stellar Environmental
2110 Sixth Street
Berkelely, CA 95710
Attention: R. Makdisi

Client Project ID: SES98039/Chabot UFST Site

QC Sample Group: 9811554

Reported: Dec 7, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8015A
Analyst: A. PORTER

ANALYTE Diesel

QC Batch #: GC1123980HBPEXZ

Sample No.: 9811C30-01
Date Prepared: 11/23/98
Date Analyzed: 11/25/98
Instrument I.D.#: GCHP4B

Sample Conc., ug/L: 390
Conc. Spiked, ug/L: 1000

Matrix Spike, ug/L: 1500
% Recovery: 111

Matrix pike Duplicate, ug/L: 1500
% Recovery: 111

elative % Difference: 0.0

RPD Control Limits: 0-50

LCS Batch#: BLK112398ZS

Date Prepared: 11/23/98
Date Analyzed: 11/24/98
Instrument I.D.#: GCHP4B

Conc. Spiked, ug/L: 1000

Recovery, ug/L: 990
LCS % Recovery: 99

Percent Recovery Control Limits:

MS/MSD	50-150
LCS	60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Anthony B. McMahon
Project Manager

Please Note:
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STELLAR ENVIRONMENTAL SOLUTIONS

Chain of Custody Record

98 11559

Lab job no.:
Date 11/18/98
Page 1 of 1

Laboratory SEQUOIA ANALYTICAL
Address 680 Chesapeake Dr.
Redwood City CA.

Client East Bay Parks District
Address

Project Name Chabot UST Site.
Project Number SES98039

Method of Shipment Pickup
Shipment No.
Airbill No.
Cooler No.
Project Manager R. MARDISI
Telephone No.
Fax No.
Samplers: (Signature)

Analysis Required: Filtered Y/N; No. of Containers; TPH diesel; TPH gas / BTEX / MTBE

Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Temp.	Preservation: Chemical	Remarks
EXCAVATION H_2O	12.3	11/18/98	1:20	WATER	1 liter Amber	–		01 5 day turn
" "	12.3		1:25	WATER	2 VOA VIALS	–	HCl	
GT-01-BASE-12.5N	12.5		1:30	SOIL	Glass Jar			02
GT-02-BASE-12.5N	12.5		1:40		" "			03
GT-01-BASE-12.5S	12.5		2:45		" "			04
GT-02-BASE-12.5S	12.5		3:00		" "			05
DIESEL-BASE-12.5	12.5		3:30		" "			06
"CLEAN" BACKFILL COMP	12.5				" "			07 4 to 1 composite

Relinquished by: Signature [signature] Printed RICHARD MARDISI Company Stellar Environmental Reason Lab Pickup — Date 11/18/98 Time 11:30

Received by: Signature Jeff Bonneville Printed Jeff Bonneville Company Sequoia — Date 11/19 Time 11:30

Relinquished by: Signature Jeff Bonneville Printed Jeff Bonneville Company Sequoia Reason — Date 11/19 Time

Received by: Signature Noelle Lane Printed Noelle Lane Company Sequoia — Date 11/19/98 Time 855

Comments: "NORMAL" SES TURNAROUND OF ONE WEEK (5 WORKING DAYS)

Relinquished by: Signature Printed Company Reason — Date Time

Received by: Signature Printed Company — Date Time

SES-2110 Sixth Street, Berkeley, CA 95710

CONTAMINATED SOIL STOCKPILE SAMPLES

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Stellar Environmental Solutions
2110 6th Street
Berkeley, CA 94710

Date: 22-DEC-98
Lab Job Number: 137078
Project ID: 98039
Location: EBRPD Chabot UFST

Reviewed by: Tracy Bibza

Reviewed by:

TVH-Total Volatile Hydrocarbons

Client: Stellar Environmental Solutions
Project#: 98039
Location: EBRPD Chabot UFST

Analysis Method: EPA 8015M
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
137078-001	CS-COMP-01	45308	12/10/98	12/18/98	12/18/98	
137078-002	CS-COMP-02	45215	12/10/98	12/15/98	12/15/98	

Matrix: Soil

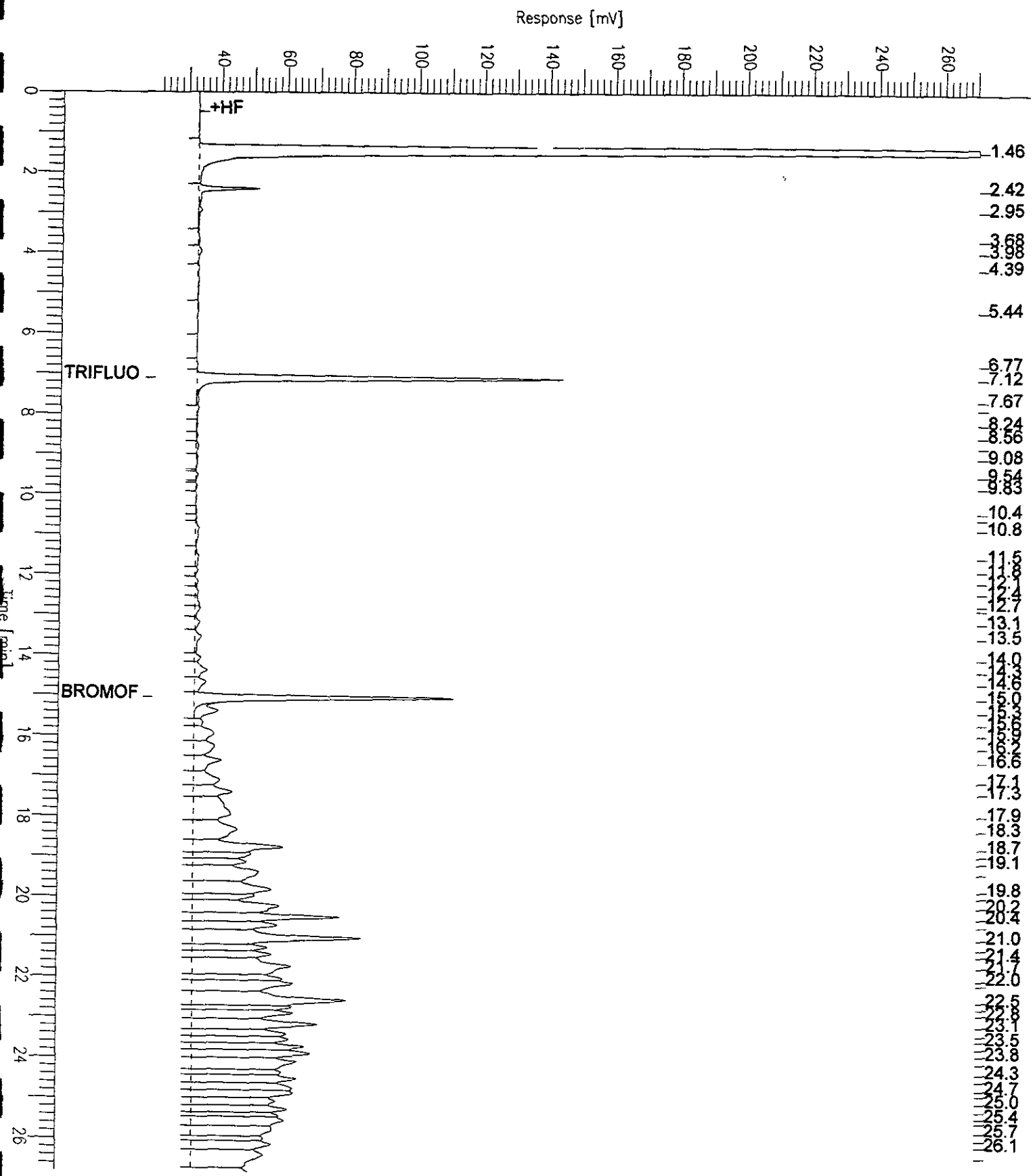
Analyte	Units	137078-001	137078-002
Diln Fac:		10	1
Gasoline C7-C12	mg/Kg	79 YH	21 H
Surrogate			
Trifluorotoluene	%REC	99	101
Bromofluorobenzene	%REC	126	138

Y: Sample exhibits fuel pattern which does not resemble standard
H: Heavier hydrocarbons than indicated standard

GC05 'G' File TVH

Sample Name : RR,D,137078-001,45308,
FileName : G:\GC05\DATA\351G021.RAW
Method :
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: -1.0 Plot Offset: 20 mV

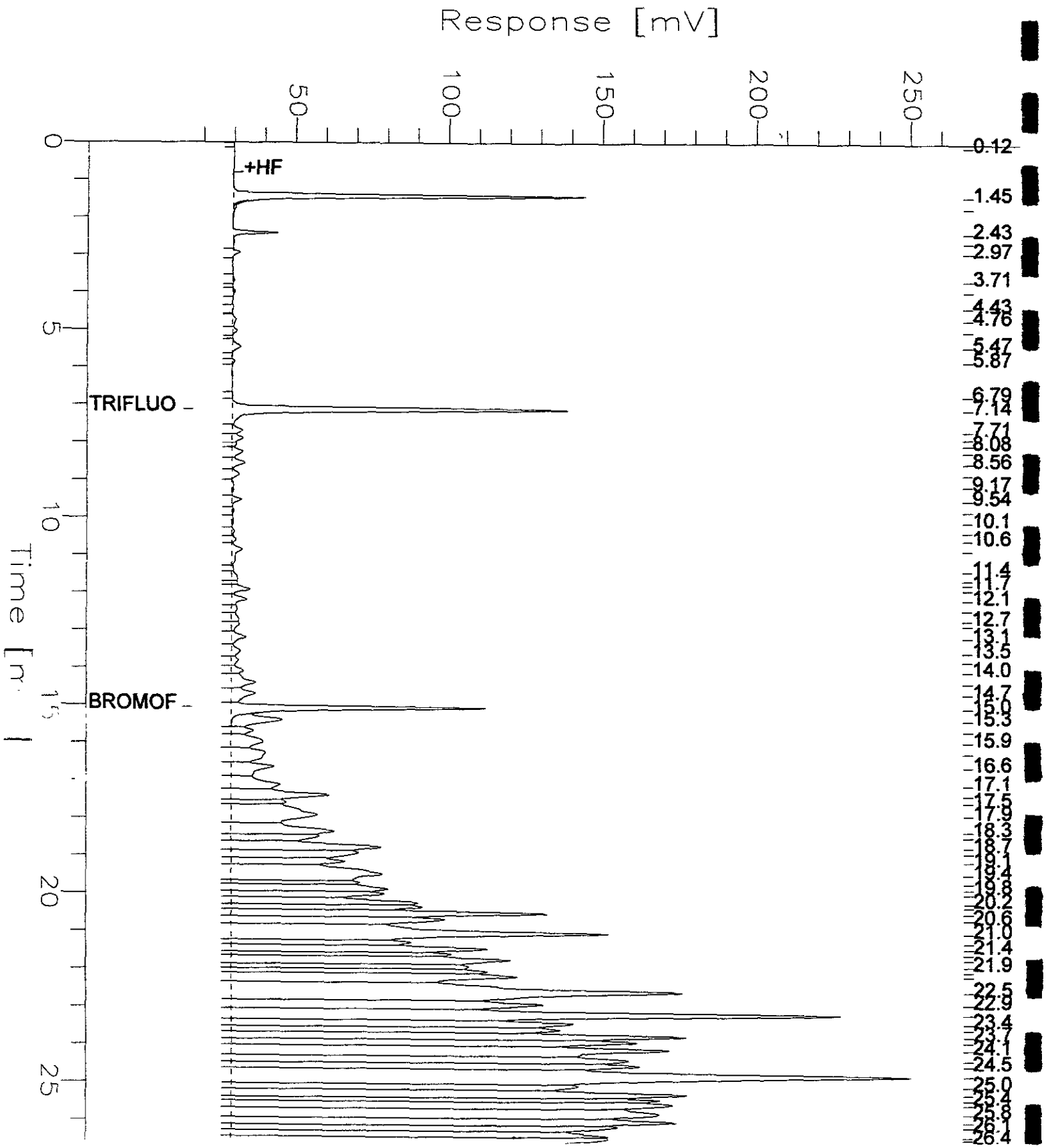
Sample #: Page 1 of 1
Date : 12/18/98 02:37 PM
Time of Injection: 12/18/98 03:05 AM
Low Point : 20.24 mV High Point : 270.24 mV
Plot Scale: 250.0 mV



GC05 'G' File TVH

Sample Name : s,137078-002,45215
FileName : G:\GC05\DATA\348G021.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.80 min
Scale Factor: -1.0 Plot Offset: 17 mV

Sample #: Page 1 of 1
Date : 12/16/98 01:44 PM
Time of Injection: 12/15/98 03:10 AM
Low Point : 16.91 mV High Point : 266.91 mV
Plot Scale: 250.0 mV



BTXE

Client: Stellar Environmental Solutions
Project#: 98039
Location: EBRPD Chabot UFST

Analysis Method: EPA 8021B
Prep Method: EPA 5030

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
137078-001	CS-COMP-01	45308	12/10/98	12/18/98	12/18/98	
137078-002	CS-COMP-02	45215	12/10/98	12/15/98	12/15/98	

Matrix: Soil

Analyte	Units	137078-001	137078-002
Diln Fac:		10	1
MTBE	ug/Kg	<200	<20
Benzene	ug/Kg	<50	<5
Toluene	ug/Kg	<50	<5
Ethylbenzene	ug/Kg	<50	<5
m,p-Xylenes	ug/Kg	<50	<5
o-Xylene	ug/Kg	<50	<5
Surrogate			
Trifluorotoluene	%REC	91	80
Bromofluorobenzene	%REC	116	108

Curtis & Tompkins, Ltd.

TVH-Total Volatile Hydrocarbons			
Client:	Stellar Environmental Solutions	Analysis Method:	EPA 8015M
Project#:	98039	Prep Method:	EPA 5030
Location:	EBRPD Chabot UFST		

METHOD BLANK			
Matrix:	Soil	Prep Date:	12/14/98
Batch#:	45215	Analysis Date:	12/14/98
Units:	mg/Kg		
Diln Fac:	1		

MB Lab ID: QC86803

Analyte	Result	
Gasoline C7-C12	<1.0	
Surrogate	**%Rec**	**Recovery Limits**
Trifluorotoluene	93	53-157
Bromofluorobenzene	107	53-157

BTXE

Client:	Stellar Environmental Solutions	Analysis Method:	EPA 8021B
Project#:	98039	Prep Method:	EPA 5030
Location:	EBRPD Chabot UFST		

METHOD BLANK

Matrix:	Soil	Prep Date:	12/14/98
Batch#:	45215	Analysis Date:	12/14/98
Units:	ug/Kg		
Diln Fac:	1		

MB Lab ID: QC86803

Analyte	Result
MTBE	<20
Benzene	<5.0
Toluene	<5.0
Ethylbenzene	<5.0
m,p-Xylenes	<5.0
o-Xylene	<5.0

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	88	53-126
Bromofluorobenzene	103	35-144

Curtis & Tompkins, Ltd.

TVH-Total Volatile Hydrocarbons

Client:	Stellar Environmental Solutions	Analysis Method:	EPA 8015M
Project#:	98039	Prep Method:	EPA 5030
Location:	EBRPD Chabot UFST		

METHOD BLANK

Matrix:	Water	Prep Date:	12/17/98
Batch#:	45308	Analysis Date:	12/17/98
Units:	ug/L		
Diln Fac:	1		

MB Lab ID: QC87159

Analyte	Result
Gasoline C7-C12	<1.0

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	90	53-157
Bromofluorobenzene	106	53-157

BTXE	
Client: Stellar Environmental Solutions	Analysis Method: EPA 8021B
Project#: 98039	Prep Method: EPA 5030
Location: EBRPD Chabot UFST	

METHOD BLANK	
Matrix: Water	Prep Date: 12/17/98
Batch#: 45308	Analysis Date: 12/17/98
Units: ug/L	
Diln Fac: 1	

MB Lab ID: QC87159

Analyte	Result
MTBE	<20
Benzene	<5.0
Toluene	<5.0
Ethylbenzene	<5.0
m,p-Xylenes	<5.0
o-Xylene	<5.0

Surrogate	%Rec	Recovery Limits
Trifluorotoluene	82	53-126
Bromofluorobenzene	99	35-144

TVH-Total Volatile Hydrocarbons

Client:	Stellar Environmental Solutions	Analysis Method:	EPA 8015M
Project#:	98039	Prep Method:	EPA 5030
Location:	EBRPD Chabot UFST		

LABORATORY CONTROL SAMPLE

Matrix:	Soil	Prep Date:	12/14/98
Batch#:	45215	Analysis Date:	12/14/98
Units:	mg/Kg		
Dil'n Fac:	1		

LCS Lab ID: QC86800

Analyte	Result	Spike Added	%Rec #	Limits
Gasoline C7-C12	10.75	10	108	78-120
Surrogate	**%Rec**	**Limits**		
Trifluorotoluene	124	53-157		
Bromofluorobenzene	117	53-157		

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 1 outside limits

TVH-Total Volatile Hydrocarbons

Client:	Stellar Environmental Solutions	Analysis Method:	EPA 8015M
Project#:	98039	Prep Method:	EPA 5030
Location:	EBRPD Chabot UFST		

LABORATORY CONTROL SAMPLE

Matrix:	Water	Prep Date:	12/17/98
Batch#:	45308	Analysis Date:	12/17/98
Units:	ug/L		
Diln Fac:	1		

LCS Lab ID: QC87157

Analyte	Result	Spike Added	%Rec #	Limits
Gasoline C7-C12	2211	2000	111	78-120

Surrogate	%Rec	Limits
Trifluorotoluene	125	53-157
Bromofluorobenzene	116	53-157

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 1 outside limits

BTXE

Client: Stellar Environmental Solutions
Project#: 98039
Location: EBRPD Chabot UFST

Analysis Method: EPA 8021B
Prep Method: EPA 5030

LABORATORY CONTROL SAMPLE

Matrix: Water
Batch#: 45308
Units: ug/L
Diln Fac: 1

Prep Date: 12/17/98
Analysis Date: 12/17/98

LCS Lab ID: QC87158

Analyte	Result	Spike Added	%Rec #	Limits
MTBE	17.63	20	88	65-135
Benzene	16.86	20	84	69-118
Toluene	18.28	20	91	73-118
Ethylbenzene	18.98	20	95	68-124
m,p-Xylenes	38.46	40	96	67-124
o-Xylene	19.53	20	98	73-127

Surrogate	%Rec	Limits
Trifluorotoluene	94	53-126
Bromofluorobenzene	116	35-144

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 6 outside limits

TVH-Total Volatile Hydrocarbons

Client: Stellar Environmental Solutions
Project#: 98039
Location: EBRPD Chabot UFST

Analysis Method: EPA 8015M
Prep Method: EPA 5030

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID: ZZZZZZ
Lab ID: 137088-001
Matrix: Soil
Batch#: 45215
Units: mg/Kg
Diln Fac: 1

Sample Date: 12/10/98
Received Date: 12/11/98
Prep Date: 12/14/98
Analysis Date: 12/14/98

MS Lab ID: QC86873

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Gasoline C7-C12	10	<1	10.23	102	38-132

Surrogate	%Rec	Limits
Trifluorotoluene	129	53-157
Bromofluorobenzene	122	53-157

MSD Lab ID: QC86874

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Gasoline C7-C12	10	10.51	105	38-132	3	26

Surrogate	%Rec	Limits
Trifluorotoluene	123	53-157
Bromofluorobenzene	121	53-157

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

TVH-Total Volatile Hydrocarbons

Client:	Stellar Environmental Solutions	Analysis Method:	EPA 8015M
Project#:	98039	Prep Method:	EPA 5030
Location:	EBRPD Chabot UFST		

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID:	ZZZZZZ	Sample Date:	12/09/98
Lab ID:	137127-001	Received Date:	12/10/98
Matrix:	Water	Prep Date:	12/17/98
Batch#:	45308	Analysis Date:	12/17/98
Units:	ug/L		
Diln Fac:	1		

MS Lab ID: QC87160

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Gasoline C7-C12	2000	161.8	2453	115	38-132

Surrogate	%Rec	Limits
Trifluorotoluene	143	53-157
Bromofluorobenzene	136	53-157

MSD Lab ID: QC87161

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Gasoline C7-C12	2000	2518	118	38-132	3	26

Surrogate	%Rec	Limits
Trifluorotoluene	137	53-157
Bromofluorobenzene	128	53-157

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

TEH-Tot Ext Hydrocarbons

Client: Stellar Environmental Solutions
Project#: 98039
Location: EBRPD Chabot UFST

Analysis Method: EPA 8015M
Prep Method: CA LUFT

Sample #	Client ID	Batch #	Sampled	Extracted	Analyzed	Moisture
137078-001	CS-COMP-01	45224	12/10/98	12/14/98	12/16/98	
137078-002	CS-COMP-02	45224	12/10/98	12/14/98	12/16/98	

Matrix: Soil

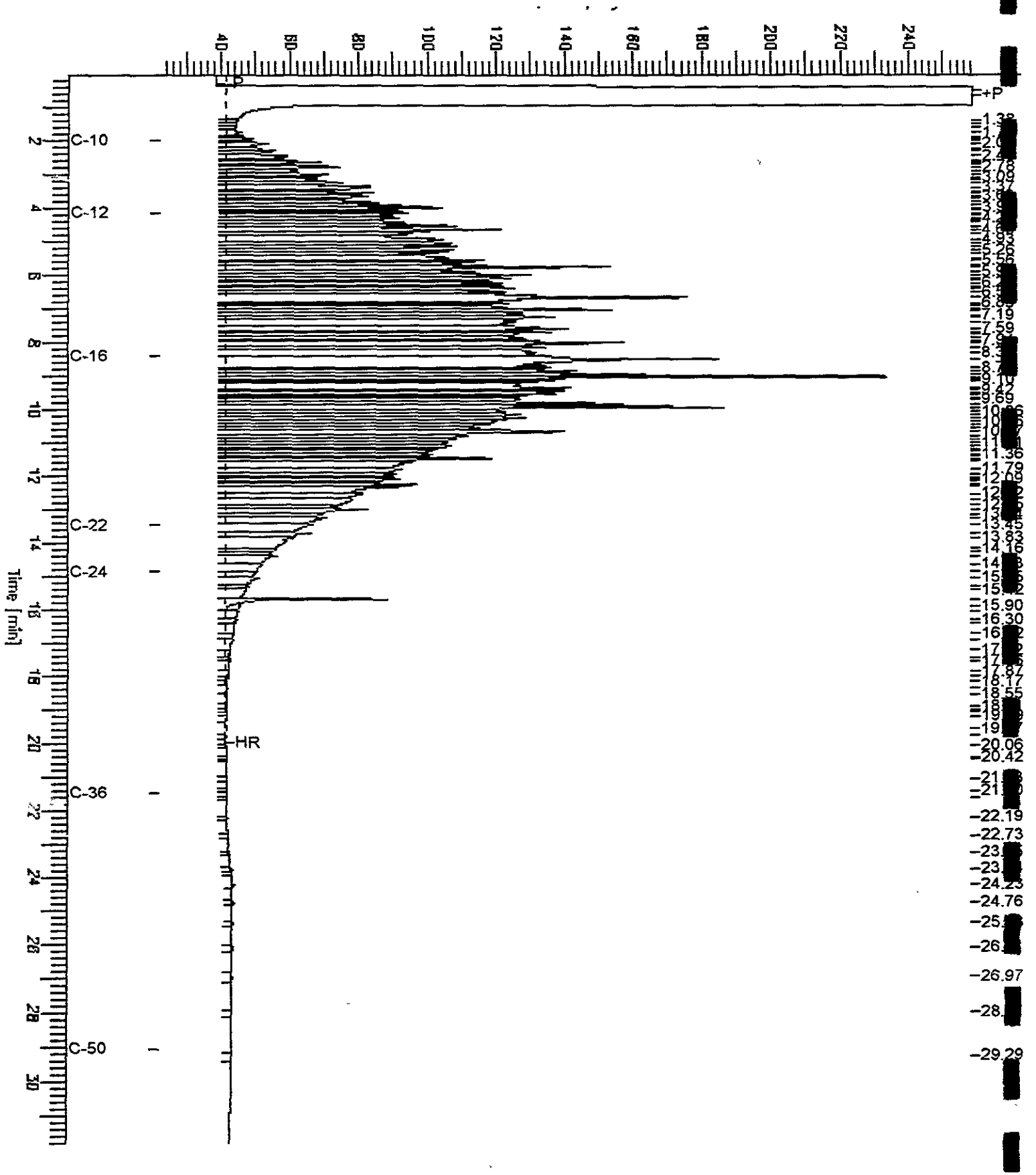
Analyte	Units	137078-001	137078-002
Diln Fac:		25	2
Diesel C10-C24	mg/Kg	2000	590
Surrogate			
Hexacosane	%REC	DO	94

DO: Surrogate diluted out

Chromatogram

Sample Name : 137078-001,45224
FileName : G:\GC11\CHA\350A022.RAW
Method : ATEH344.MTH
Start Time : 0.05 min End Time : 31.87 min
Scale Factor: 0.0 Plot Offset: 22 mV

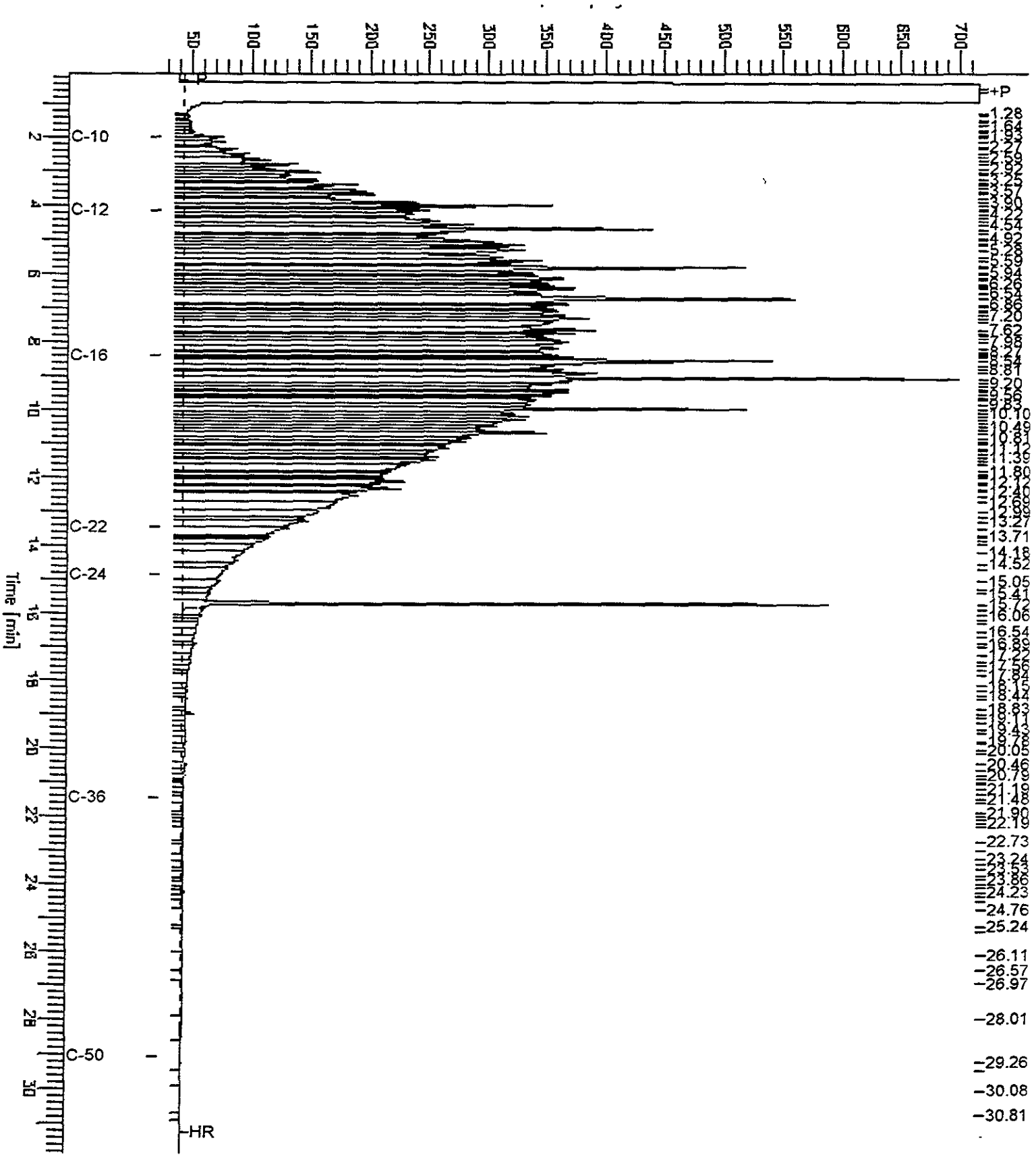
Sample #: 45224 Page 1 of 1
Date : 12/17/98 01:11 AM
Time of Injection: 12/16/98 07:21 PM
Low Point : 22.11 mV High Point : 258.83 mV
Plot Scale: 236.7 mV



Chromatogram

Sample Name : 137078-002,45224
FileName : G:\GC11\CHA\350A023.RAW
Method : ATEH344.MTH
Start Time : 0.09 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 22 mV

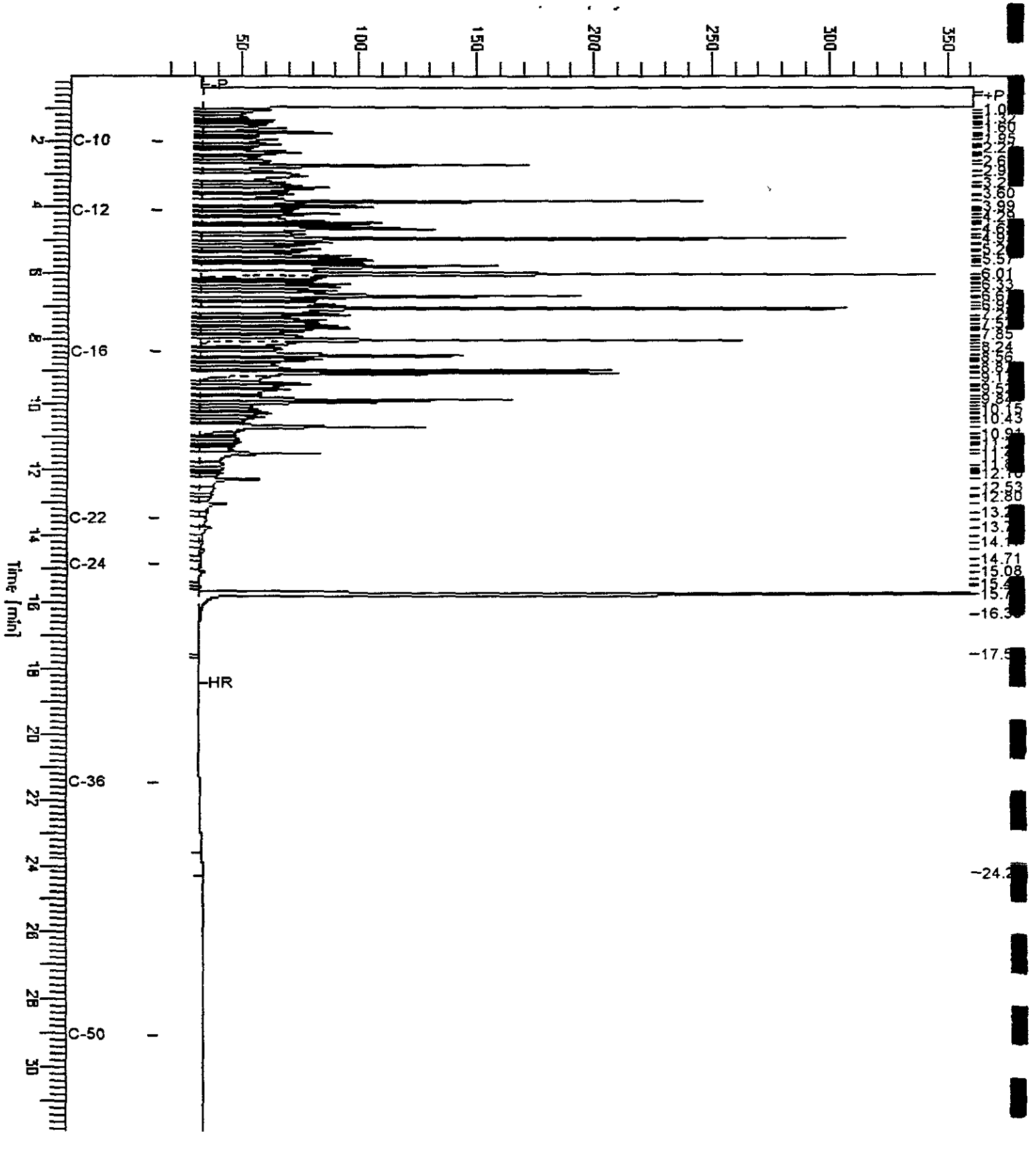
Sample #: 45224 Page 1 of 1
Date : 12/17/98 01:12 AM
Time of Injection: 12/16/98 08:01 PM
Low Point : 22.14 mV High Point : 716.44 mV
Plot Scale: 694.3 mV



Chromatogram

Sample Name : CCV,98WS6771,ds
FileName : G:\GC11\349A002.RAW
Method : ATEH344.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 16 mV

Sample #: 500MG/L
Date : 12/15/98 07:10 PM
Time of Injection: 12/15/98 05:45 AM
Low Point : 16.07 mV High Point : 361.35 mV
Plot Scale: 345.3 mV



TEH-Tot Ext Hydrocarbons

Client: Stellar Environmental Solutions
Project#: 98039
Location: EBRPD Chabot UFST

Analysis Method: EPA 8015M
Prep Method: CA LUFT

METHOD BLANK

Matrix: Soil
Batch#: 45224
Units: mg/Kg
Diln Fac: 1

Prep Date: 12/14/98
Analysis Date: 12/15/98

MB Lab ID: QC86839

Analyte	Result	
Diesel C10-C24	<1.0	
Surrogate	**%Rec**	**Recovery Limits**
Hexacosane	88	48-142

TEH-Tot Ext Hydrocarbons	
Client: Stellar Environmental Solutions	Analysis Method: EPA 8015M
Project#: 98039	Prep Method: CA LUFT
Location: EBRPD Chabot UFST	

LABORATORY CONTROL SAMPLE	
Matrix: Soil	Prep Date: 12/14/98
Batch#: 45224	Analysis Date: 12/15/98
Units: mg/Kg	
Diln Fac: 1	

LCS Lab ID: QC86840

Analyte	Result	Spike Added	%Rec #	Limits
Diesel C10-C24	45.3	49.5	92	49-108
Surrogate	**%Rec**	**Limits**		
Hexacosane	90	48-142		

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
Spike Recovery: 0 out of 1 outside limits

TEH-Tot Ext Hydrocarbons

Client:	Stellar Environmental Solutions	Analysis Method:	EPA 8015M
Project#:	98039	Prep Method:	CA LUFT
Location:	EBRPD Chabot UFST		

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Field ID:	ZZZZZZ	Sample Date:	12/08/98
Lab ID:	137097-001	Received Date:	12/11/98
Matrix:	Soil	Prep Date:	12/14/98
Batch#:	45224	Analysis Date:	12/15/98
Units:	mg/Kg		
Diln Fac:	10		

MS Lab ID: QC86841

Analyte	Spike Added	Sample	MS	%Rec #	Limits
Diesel C10-C24	49.5	85.88	113.4	56	34-121

Surrogate	%Rec	Limits
Hexacosane	DO*	48-142

MSD Lab ID: QC86842

Analyte	Spike Added	MSD	%Rec #	Limits	RPD #	Limit
Diesel C10-C24	49.5	103	34	34-121	10	36

Surrogate	%Rec	Limits
Hexacosane	DO*	48-142

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits
RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits
DO: Surrogate diluted out

137078

Standard TAT

1-wk

STELLAR ENVIRONMENTAL SOLUTIONS
Chain of Custody Record

Lab job no.: _____
Date 12/10/98
Page 1 of 1

Laboratory Curtis & Tompkins, Ltd.
Address 2323 Fifth St.
Berkeley CA 94710

Client Stellar Environmental Solutions
Address 2110 Sixth St.
Berkeley CA 94710
Project Name EBRPD Chabot UFST
Project Number 98039

Method of Shipment hand delivery
Shipment No. —
Airbill No. —
Cooler No. —
Project Manager Richard McKelvey
Telephone No. (510) 644-3123
Fax. No. (510) 644-3859
Samplers: (Signature) Bruce McRuder

Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Temp.	Preservation: Chemical	Filtered?	No. of Containers	TPH Gas (8015 M)	TPH Diesel (8015 M)	BTEX + MTBE (8020)	Remarks
CS-Comp.-01 (4-pt composite)		12/10/98	1100	Soil	(1) 4-oz glass	4°C	—			X	X	X	
CS-Comp-02 (4-pt composite)		"	1115	Soil	(1) 4-oz glass	4°C	—			X	X	X	

Relinquished by:	Date	Received by:	Date	Relinquished by:	Date	Received by:	Date
Signature Bruce M. Ruder	12/10/98	Signature	12/10/98	Signature		Signature	
Printed Bruce McRuder	Time 1203	Printed TRAVERS	Time 1203	Printed	Time	Printed	Time
Company Stellar Environmental		Company CET		Company		Company	
Reason relinquish to laboratory				Reason			

Comments: _____

Relinquished by:	Date	Received by:	Date
Signature		Signature	
Printed	Time	Printed	Time
Company		Company	
Reason			

EXCAVATION BACKFILL COMPACTION TESTING

DAILY FIELD REPORT

JOB NO. or P.O. NO. 94934
PAGE OF

PROJECT NAME: Lake Chabot Corp. Yard	CLIENT OR OWNER: EBRP	DAILY FIELD REPORT SEQUENCE NO.: 1
GENERAL LOCATION OF WORK:	OWNER OR CLIENT'S REPRESENTATIVE:	DATE: 1-5-99 DAY OF WEEK: TUES
GENERAL CONTRACTOR:	GRADING CONTRACTOR: VCI	PROJECT ENGINEER:
TYPE OF WORK: Testing.	CONTRACTOR'S SUPERINTENDENT OR FOREMAN:	SUPERVISOR:
SOURCE AND DESCRIPTION OF FILL MATERIAL: TRI CITIES AB II (IMPORT OR SITE) (Kaiser Clayton?)	WEATHER: clear.	TECHNICIAN: Ken Ludwig

DESCRIBE EQUIPMENT USED FOR HAULING, SPREADING, WATERING, CONDITIONING, AND COMPACTING:

TEST NUMBER	TEST LOCATION	ELEV (feet)	FIELD TESTING: DRY DENSITY lbs/cu. ft.	FIELD TESTING: MOISTURE CONTENT %	FIELD TESTING: % OF MAXIMUM DRY DENSITY	REFERENCE CURVE: COMP. CURVE NO.	REFERENCE CURVE: MAXIMUM DRY DENSITY lbs/cu. ft.	REFERENCE CURVE: OPTIMUM MOISURE CONTENT %	COMMENTS
			~~MFT~~	~~STP~~			136.6	6.7	
1	F AB-6		133.8	5.4	98		↓	↓	
2	F AB-6		129.7	5.2	95				
3	F AB-0		130.1	5.1	95				

NOTES (Describe work completed during the day, any problems and their solutions)

Went to the EBRP yard @ Lake Chabot Reg. Park. Contractor was using Hedel Shaker on a 580 Ford Backhoe to compact an 18" Section of AB II on perimeter backfill on a newly installed set of fuel tanks.

Sampled AB II

Some additional working of AB II was done after a preliminary test suggested moisture be added. Upon water additions + more passes readings were taken which ultimately = 95% compared better. Tests were at approximately 6 inches beneath Concrete pavement base.

(510) 544 3214 Gil

Returned Lab Y.M tested AB II @ final AB II Grade

TIME BILLED: 4 HRS. NO. OF VISITS: CONTINUED ☐

RECEIVED BY: COPY GIVEN TO:

GBT-1

APPLICATION FOR UNDERGROUND STORAGE TANK INSTALLATION

Alameda County Environmental Health Services
Environmental Protection Division

Application for Underground Storage Tank Installation

The Application for Installation of Underground Storage Tanks Is Only Valid for 6 Months from the Date of Approval.

FACILITY

Project contact & Phone # STEPHEN GEHRETT (510) 843-8314

Facilty Name: SOUTH COUNTY CORPORATION YARD, LAKE CHABOT | Phone #: (510) 881-1833

Address: 17930 LAKE CHABOT ROAD

Cross Street: ARCADIAN DRIVE

Owner/Operator: EAST BAY REGIONAL PARK DISTRICT | Phone #: (510) 635-0135

CONTRACTOR

Contractor Name: VCI OF CALIFORNIA | Phone #: (510) 276-6266

Contractor Address: 2484 BAUMANN AVE, SAN LORENZO, CA | CA License #: 487537 | Class: A B HAZ C21

Hazardous Waste Certified: Yes - ☒ No - ☐ (Qualifying license category _____) | Workers Comp #: 1340531-98

Fire District: ALAMEDA COUNTY FIRE DEPT | Permit #:

Does this site have a leaking UST (or did it have a leaking tank system?) Yes - ☒ No - ☐

TANK(S) TO BE INSTALLED

State Tank ID #	Tank Size	Material to be Stored	Proposed Installation Date
39- 1	12,000 GAL.	GASOLINE	NOV. 23, 1998
39- 2	2,500 GAL	DIESEL	NOV. 23, 1998
39-			
39-			
39-			
39			

Applicant must Perform All Work in Accordance with Alamda County Ordinances, State Laws, and Rules and Regulations of Alameda County Environmental Health Services. Owner or Licensed Agent's Signature Certifies the Following: "I Certify That in the Performance of the Work for Which this Installation Plan Is Issued, I Shall Not Employ Any Person in Such a Manner as to Become Subject to Worker's Compensation Laws of California." Contractor's Hiring or Subcontracting Signature Certifies the Following: "I Certify That in the Performance of the Work for Which this Installation Plan Is Issued, I Shall Employ Persons Subject to Worker's Compensation Laws of California."

Applicant's Signature: Stephen Gehrett Title: EQUIPMENT MANAGER Date: 11-17-98

PLAN

✓ Approved ___ Approved with Condition(s) (See Attachment with Conditions) ___ Disapproved

Plan Reviewer's Signature – Robert Weston Date of Approval – 11-23-98

Indicate the Responsible Party to Be Billed for Additional ACEHS Staff Time Expended Beyond the Hours Covered by the Initial Deposit Amount. The Party must Acknowledge this Responsibility for the Additional Billing by Signature and Date below.

Name EAST BAY REGIONAL PARK DISTRICT

Mailing Address PO Box 5381

Day Phone Number 510 635-0135

Signature Stephen Jekutt FOR EBRPD

Date 11/17/98

formustunappoa.boxdaa (Rev. January 2, 1998. UST Reg's May 5, 1994)

Approval Stamp

ACCEPTED
DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway
Suite 250
Alameda, CA 94502-6577

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 construction and installation.
Any change or alterations of these plans and specifications must be submitted to this this Department and to the Fire and Building Inspection Department to determine if such changes meet the requirements of State local laws.
Notify this Department at least 48 hours prior to the following required inspections:

____ Pressure Tests-Primary Secondary
____ Pre-Covering of Tank and Piping
____ 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:**

Contact Specialist: Robert Weston 11-23-98

This Checklist must Be Completed by the Applicant. It Will Serve as a Reminder for the Applicant of the Items and Review for the Installation of an Underground Storage Tank

UST SYSTEM DRAWING INFORMATION (Drawings and submissions must include #1 through #9)

1. X Three complete sets of plans (include manufacturer's specification sheets for proposed equipment to be install
2. X Plans drawn to scale in non-erasable print. Scale is to be at least ¼ inch to the foot.
3. X Plot plan to show location of tanks and all associated piping.
4. NA Type of tank anchor and calculation of sufficiency.
5. X Tank cross-sectional diagram.[Striker plates or drop tube-mounted bottom protectors illustrated below all accessible openings.]
6. X Detail of tank, associated piping, leak detection equipment, excavation and cover.
7. X Tank(s) and piping approved by a nationally recognized independent testing organization. [Title 23, Chapter Article 3, Section 2631(b), and Section 2635]
8. X Verification of product compatibility with the tank(s), piping, monitoring device(s), epoxy or silicone glues, et
9. ___ Manufacturer's written installation instructions for tank(s), piping, monitoring devices, etc.

TANK COMPOSITION

10. **Tank Information Table. Please fill in the information for each tank.**

TANK #	# 1	# 2	#	#	#
CAPACITY	12,000 GL	2,500 GL			
MANUFACTURER	CONTAINMENT SOLUTIONS	XERXES			
COMPOSITION	FIBERGLASS	FIBERGLASS			
MODEL	DWT-6 TYPE II				
PRODUCT	GASOLINE	DIESEL			
CORROSION PROTECTION	FIBERGLASS	FIBERGLASS			
UL LISTED	YES	YES			
COMPATIBILITY WITH 100% METHANOL	YES	YES			

TANK(s) TO BE INSTALLED (Section 2635) (Note which type of tank is to be installed. Note the applicable requirements

11. ___ **Steel-** clad with fiberglass reinforced plastic coatings, composites, or equivalent non-metallic exterior coating or coverings. (Installation requirements.)

___ (A) Tested at the installation site using an electric resistance holiday detector.

___ (B) Tightness tested before installation: (manufacturer's guidelines).

12. X **Fiberglass tank** (primary and secondary are fiberglass) or **Composite** (jacketed) **tank** (primary tank steel and secondary tank fiberglass)

X (A) Tightness tested before installation: (manufacturer's guidelines). HOLIDAY TEST

13. N/A **Non-clad steel tank** [Section 2635 (a) (2) (A)] (For example StiP3 tanks)

___ (A) Cathodic protection provided for entire tank, piping and components (nuts, bolts, washers, etc.).

___ (B) Field installed cathodic protection systems designed and certified as adequate by a corrosion specialist.

___ (C) Impressed current systems to be inspected no less than every 60 days.

___ (D) Tightness tested before installation: (manufacturer's guidelines).

ALTERNATE CONSTRUCTION

(For new underground storage tanks containing motor vehicle fuel. These tanks are to be in compliance with Section 2633 and Section 2634.)

N/A

14. ___ Monitoring and response plan complies with Section 2634.

15. ___ Underground storage tank composed of....

___ (A) Fiberglass reinforced plastic, **or**

___ (B) Cathodically protected steel, **or**

___ (C) Steel clad with fiberglass reinforced plastic, **or**

___ (D) Other material that complies with section 2631 and 2632.

16. ___ Floor of leak interception and detection (LID) system constructed on a firm base and sloped to a collection sump (use of membrane liners complies with Section 2631(d)(6) requirements.)

17. ___ Access casings shall be installed in the collection sump of a secondary containment system which has backfill in the interstitial space. The access casing shall meet all of the following: [see Section 2633(e)]

___ (A) Designed and installed to allow the liquid to flow into the casing.

___ (B) Sized to allow removal of collected liquid and able to withstand all anticipated applied stresses.

___ (C) Constructed of material that will not be structurally weakened.

___ (D) Screened along entire vertical zone of permeable material.

___ (E) Capable of preventing leakage of any hazardous substance from the casing.

___ (F) Extend to the ground surface and covered with a locked waterproof cap.

___ (G) Capable of meeting Alameda County Zone 7 Well Standards.

___ (H) Leak interception and detection system shall prevent the leaked hazardous substance from entering ground water.

INTERSTITIAL SPACE MONITORING

(For tanks constructed and installed according to section 2631.) **(Indicate which monitoring will be used.)**

18. N/A **Visual** monitoring [Section 2632(c)(1)] **(Must include all of the following:)**

- ___ (A) Exterior surface and floor beneath tank monitored by direct viewing,
- ___ (B) Daily visual inspections (see 2632(c)(1)(B) for exceptions),
- ___ (C) Liquid level in tank to be recorded at time of each inspection,
- ___ (D) If liquid observed around or beneath primary tank, owner will determine if an unauthorized release has occurred.

19. X **Mechanical or electronic monitoring** [Section 2632 (c) (2)] (The following apply where appropriate:)

X Continuous monitoring system connected to an audible and visual alarm system.

Monitoring equipment to be installed:

___ Manufacturer: VEEDER-ROOT.

___ Model Number: TLS-300C.

X Sensor Type: ___ Vapor X Liquid ___ Both.

X Sensor/Panel specifications.
(Submit manufacturer's specifications for the sensors and for the panel.)

X Location(s) for sensors:

Tank: 2 Piping: 2.

Dispenser: 2.

20. ___ Monitoring and response plan submitted [Section 2632 (d) (1) & (2)].

SPECIAL ACCESSORIES, FITTINGS, COATINGS, OR LININGS

(not inherent within the initial design of the primary tank or double-wall UST.) [Section 2631 (b)]

21. N/A Approved by a nationally recognized independent testing organization.

22. ___ Demonstration of integrity with the primary and/or secondary containment.

TANKS SUBJECT TO FLOTATION. [Section 2635 (a) (7)] (Provide the following:)

23. N/A Anchored by deadman or slab.

24. ___ Anchors to be installed as specified by manufacturer.

25. ___ Installation details provided on plans.

26. ___ Calculations provided.

SPILL AND OVERFILL PREVENTION

(Underground storage tank equipped with spill container and an overfill prevention system. Provide a detailed drawing of spill container(s)/piping sump(s), including tank fill and all openings).

27. X **Spill container** [Section 2635 (b) (1)]. (Must meet the following:)

___ (A) If made of metal, exterior wall protected from galvanic corrosion.

X (B) Capacity: (minimum of fifteen gallons) FILL 15 GAL VENT 5 GAL

X (C) Equipped with a drain valve which allows drainage of spill into primary container.

___ (D) Manufacturer: EBW

28. ___ **Overfill prevention system** does not allow for manual override and **meets one** of the following requirements: (See PIPING #30(C) below for exception.)

___(A) Alert transfer operator at 90% full by restricting the flow into the tank or triggering an audible and visual alarm [Section 2635(b)(2)(A)] .

Manufacturer:_____ Model:_____.

or

___(B) Restrict delivery flow to the tank 30 minutes before overfill when tank is filled at no more than 95% capacity and activates an audible alarm at least five minutes before overfill [Section 2635 (b) (2) (B)].

Manufacturer:_____ Model:_____.

or

X(C) Provide positive shut off at no more than 95% capacity [Section 2635 (b) (2) (C)].

Manufacturer: EMCO WHEATON Model: GUARDIAN A1100-056

or

___(D) Provide positive shut-off of flow to the tank so that the fittings on top of the tank are not exposed to the product overfilling [Section 2635 (b) (2) (D)].

Manufacturer:_____ Model:_____.

PIPING INFORMATION

29. Piping Table (Please fill in the information for each tank.)

PIPING INFORMATION	TANK # A	TANK # B	TANK # C	TANK # D
DISTANCE from DISPENSER to TANK	20 FT	20 FT		
MANUFACTURER	AMERON			
SYSTEM TYPE *	PRESSURE			
CONSTRUCTION **	DOUBLE-WALL			
MATERIAL TYPE ***	FIBERGLASS REINFORCED PLASTIC			
LEAK DETECTION SYSTEM	VEEDER-ROOT			
100% METHANOL COMPATIBILITY	YES-[X] NO-[ ]			
CORROSION PROTECTION	YES-[X] NO-[ ]			

* System Type; suction, pressure, or gravity

** Construction: single-walled, double-walled, lined-trench, etc.

*** Material Type; steel with cathodic protection, stainless-steel, or fiberglass reinforced plastic.

ING (Provide the following on the cross-sectional diagram, including connections to tank and dispensers).

___ **Vent and Fuel Drop** tank riser primary containment system equipped with an **overfill prevention** system that:

___(A) Restricts delivery of flow to tank and activates an audible alarm [Section 2635 (b) (2) (B) or (C)], **or**

X (B) Provide positive shut off of flow to the tank at no more than 95 % [Section 2635 (b)(2)(C)], **unless**

___(C) "..... the tank inlet exists in an observable area, the spill container is adequate to collect any overfill, and the tank system is filled by transfers of no more than 25 gallons at one time." [Section 2635 (b)(3)]

1. N/A **Corrodible underground piping** protected against corrosion (Section 2636 (b)).

2. X **Underground primary piping must** meet all of the following requirements:

Except as provided below, all piping shall be secondarily contained.
-**Vent or tank riser piping** attached to tanks protected by an overfill prevention system [see #30], **or**
-**Vapor** recovery piping designed so it cannot contain liquid phase product, **or**
-**Suction** piping (below grade piping operates at less than atmospheric pressure) [Section 2636 (a) (3)]
-Sloped so contents of the pipe will drain back into the storage tank if the suction is released, **and**
-No valves or pumps installed below grade, **and**
-Inspection method provided to demonstrate compliance with section 2636 (a) (3).

(A) **Primary piping** in contact with hazardous substance under normal operation conditions shall be installed inside a **secondary containment** system (see exceptions above) in the form of:

X secondary pipe, **or** ____vault, **or** ____lined trench

which is to be sloped to a collection sump located at the low point of the secondary containment.

(B) **Primary piping and secondary containment** systems will be installed in accordance with industry code of practice and voluntary consensus standards..

(C) **Lined trench** used as secondary containment must meet the following:

N/A **Material is compatible** with the substance stored.

N/A **Covered** and capable of supporting any expected vehicular traffic.

3. ___ **Underground piping** with secondary containment shall be **equipped and monitored** as follows:

X **Secondary containment** will be equipped with a **continuous monitoring system** connected to an audible and visual alarm system, **and if**

Pressurized piping:

____ **Automatic line leak detectors** will be installed on **pressurized piping unless** the continuous monitor shuts down the pump and activates the alarm system when a release is detected.

Manufacturer:_____ Model:_____

X **Annual monitoring** will be conducted on the **pressurized** piping with secondary containment **unless the continuous monitoring system:**
-shuts down the pump and activates the alarm system when a release is detected, **and**
-the pumping system shuts down if the continuous monitoring system fails or is disconnected.

DDITIONAL CONCERNS

4. ___ What is the approximate depth to **ground water:** 150 FT
(include source of information - borehole logs, monitoring well data, water studies, etc.)

5. X Total number of tanks **on site after installation:** 2

6. X Submit a **Site Safety plan.** (contractor)

7. X Contractor must submit a copy of **Workers Compensation Certificate.**

8. X County/City **Building Department** notified.

9. X County/City **Fire District** notified.

0. X Submit documentation of **Financial Responsibility Certification.**

1. X **In the event contamination is** observed, confirmed or suspected as a result of a leaking UST system it is **your responsibility** [in accordance with (CCR) Title 23, Division 3, Chapter 16, Article 11, Corrective Action Requirements] as an owner or operator **to submit a workplan** to ACEHS LOP Site Mitigation Unit **prior to initiating any assessment or remediation activities.**

The owner or operator must acknowledge this responsibility for workplan submittal by signature and date below.

Name STEPHEN GEHRETT FOR EBRPD, Stephen Gehrett

Title EQUIPMENT MANAGER Date 11-18-98

pon review of the installation application, installation application checklist, and accompanying ocumentation the following conditions are attached as a part of the approved installation application:

ONDITIONS OF APPROVAL:

At the installation site, prior to installation, a tightness test shall be performed on both primary (1°) and secondary (2°) containment systems before covering. [Section 2635 (a) (3) & (4)]

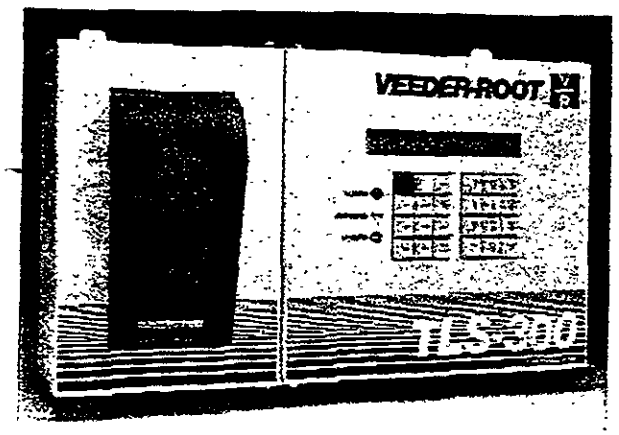
Tank integrity test or equivalent required upon completion of installation with tank in operating condition. Test results to be submitted directly to ACEHS from the testing company or owner of facility. [Health & Safety Code, Division 20, Chapter 6.7, Section 25291 (h)]

Submit as-built plans to this office within 30 days of the final inspection.

LEAK DETECTION SYSTEM

TLS-300i UST Monitoring Systems

4-Tank System Maximum with or without Leak Detection



- Meets compliance requirements for leak detection/inventory control in up to four tanks.
- UL, CSA, and MRI approved.
- Two-line, 24-character-per-line liquid crystal display and 12-key keypad step the operator through simple menu-driven programming and operation functions.
- Standard integral printer.
- Familiar, proven design means safe and simple set up and installation.
- Programmable in English, French, German or Spanish, and English or metric units.
- Clearly labeled, plug-in connectors offer quick disconnect of probes and relays.
- Two TLS-300i systems are available with and without In-Tank leak detection.

Veeder-Root's new TLS-300i UST Monitoring and In-Tank Leak Detection System features in-tank leak detection, along with inventory control and interstitial leak detection capabilities to meet regulatory compliance requirements at your site.

The TLS-300i Four-Tank Inventory Control and Interstitial Leak Sensing System is designed for compliance and inventory control in double-wall tanks and piping where in-tank leak detection is not required.

Both systems provide inventory management and in-tank leak detection with up to four Series 8473 Magnetostrictive Probes. The Mag probes can handle a wide variety of fuels and fluids, and have been third-party tested and certified to perform better than the U.S. E.P.A. standards.

TLS-300i systems accommodate Veeder-Root's Series 7943 floatswitch sensors, including: interstitial sensors for both steel and fiberglass tanks, piping sump sensors, and hydrostatic sensors.

The TLS-300i systems are equipped with audible and visual alarms, triggered by in-tank and interstitial alarm conditions. Any of the in-tank alarm limits can also be tied to relays to trigger on-site devices, such as overfill alarms, or to shut down submersibles.

System Capabilities

- Monitors up to four tanks.
- RS-232 communications interface with auxiliary port provides two 25-pin D-connectors for data transmission to computers or point-of-sale terminals.
- Standard integral report printer documents

inventory leak detection, alarm and setup information.

In-Tank Leak Detection Capabilities*

- Accommodates any combination of up to four Veeder-Root Magnetostrictive Probes:
  - 0. 1 GPH in-tank leak detection capability.
  - 0.2 GPH in-tank leak detection capability.

Interstitial Leak Sensing Capabilities

- Automatic, continuous leak sensing:
  - Tank interstitial space
  - Piping Sump
- Audible alarm and display indicate leak location.

Alarm Capabilities

- In-tank warnings and alarms are activated for the following conditions:
  - Leak*
  - Low product*
  - Sudden loss
  - Delivery needed*
  - Overfill
  - Test failure*
  - High water
  - Tank test not performed*
- Interstitial and piping sump warning and alarms are activated for the following conditions:
  - Fuel presence
  - Low liquid
  - High liquid
- Alarm relays can trigger alarm/security devices.

Input/Output Capabilities

- Two built-in inputs provide for:
  - Solid-state or switch input from external devices.
- Two built-in output relays provide for:
  - Outputs to overfill alarms and external audible and visual warning devices.
- Either relay can shut down the submersible if power to the monitor is lost or a leak is detected.

Emergency Generator Applications*

- Selectable via programming.
- One system handles a mix of standard and emergency generator tanks.
- Records generator activity.

- Complete inventory reports before and after generator operation.

* For systems equipped with in-tank leak detection only (Form No. 848570-421).

Standard Models

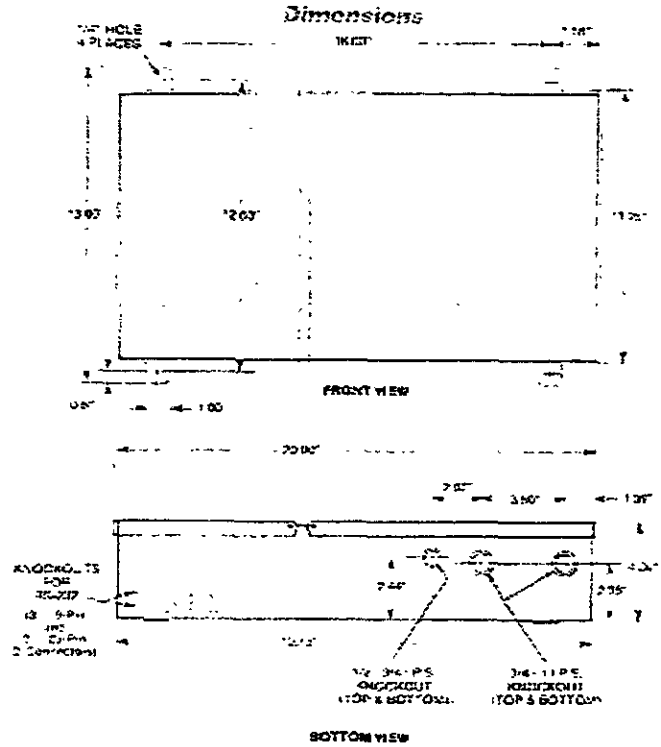
CONSOLE FORM NO.	DESCRIPTION
848590-420	TLS-300i with Integral Printer
848590-421	TLS-300i with In-Tank Leak Detection with Integral Printer

Console/Probes/Sensors Compatibility

The following probes are compatible with the TLS-300i UST Monitoring System:

PROBE FORM NO.*	DESCRIPTION
847390-XXX	0.1 GPH and 0.2 GPH Magnetostrictive Probe
847391-XXX	0.1 GPH and 0.2 GPH Magnetostrictive Probe for Alternative Fuels
794390-40X	Interstitial Sensor for Fiberglass Tanks
794390-420	Interstitial Sensor for Steel Tanks
794390-205	Piping Sump Sensor
794380-301	Single-Float Hydrostatic Sensor
794380-302	Dual-Float Hydrostatic Sensor

*Refer to Veeder-Root Price for required probe and sensor lengths and corresponding 3-digit Form Number suffix.



Probes, Sensors & Accessories

See our Probes, Sensors & Accessories brochure
for a listing of other products available through Veeder-Root.

For technical information about this Web Page,
contact VEEDER-ROOT's WebMaster

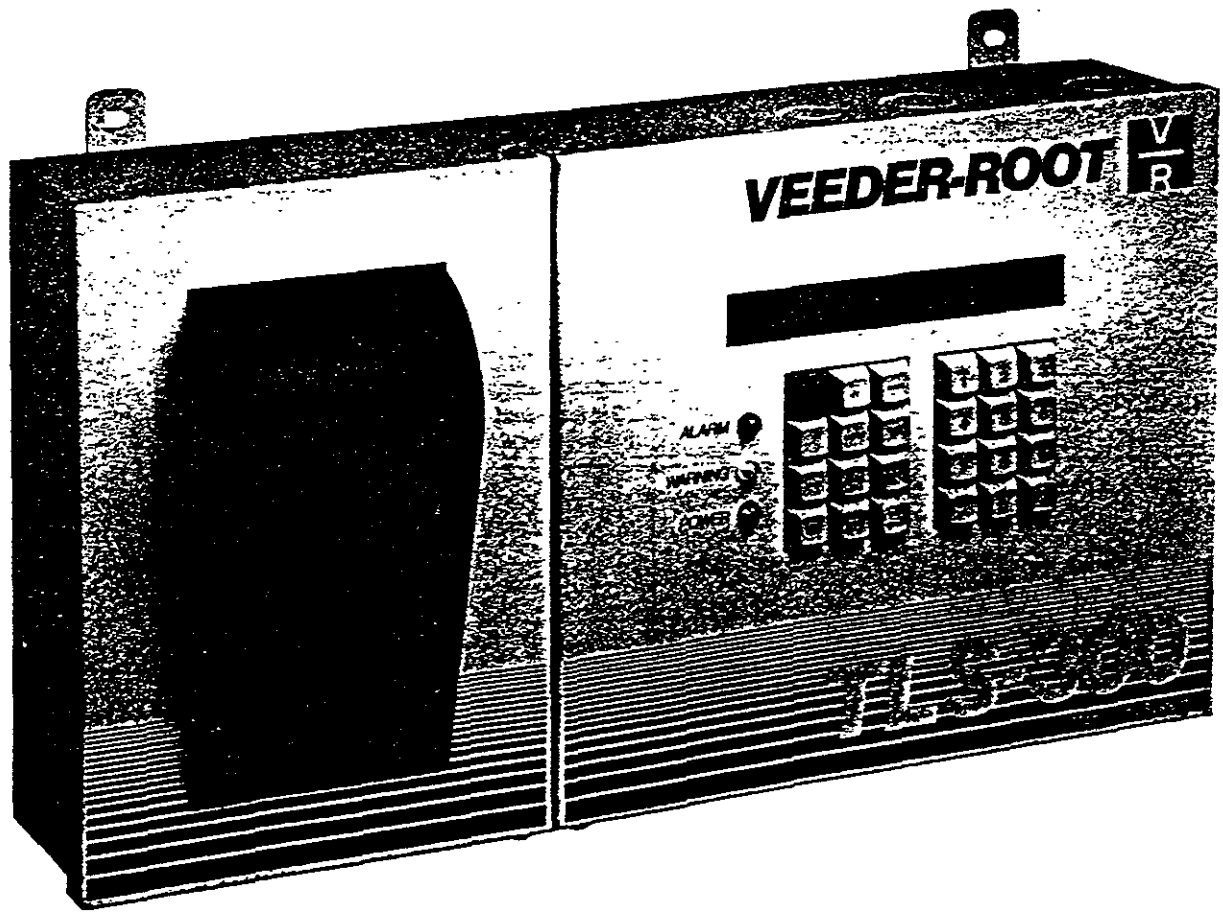
Home

VEEDER-ROOT
SITE PREPARATION AND
INSTALLATION INSTRUCTIONS

Technical Manual
Issued: 8/94
Supersedes: 6/93

TLS-300i
Four-Tank UST Monitoring and Interstitial Leak Sensing System

Manual Number 576013-275



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VEEDER-ROOT
Environmental Products

SECTION 1. INTRODUCTION.

A. GENERAL.

1. This manual contains the installation instructions for the TLS-300i Four-Tank Inventory Control and Interstitial Sensing System designed and manufactured by the Veeder-Root Company, 125 Powder Forest Drive, P.O. Box 2003, Simsbury, CT 06070-2003.
2. When a vertical bar ▌appears adjacent to text or illustrations, information has been added or revised in this printing.

B. DAMAGE CLAIMS.

1. Thoroughly examine for any damage all components and units as soon as received.

NOTE: Insist that the carrier's agent verify the inspection and sign the description.

2. Immediately notify the delivering carrier of damage or loss. This notification may be given either in person or by telephone. Written confirmation must be mailed within 48 hours. Railroads and motor carriers are understandably reluctant to make adjustments for damaged merchandise unless inspected and reported promptly.
3. Risk of loss or damage to merchandise remains with the buyer. It is the buyer's responsibility to file a claim with the carrier involved.
4. Immediately advise your Veeder-Root representative, distributor, or Veeder-Root headquarters in Simsbury, CT so that we may assist you.

C. RETURN SHIPPING. Before returning any TLS-300i monitors, probes, sensors or other system components, you must first call Veeder-Root Environmental Products Customer Service at (800) 873-3313 for a Returned Goods Authorization. It will provide complete information on return shipping procedures. Do not return any products without first obtaining a Returned Goods Authorization.

SECTION 2. PRODUCT DESCRIPTION

The TLS-300i System features a flexible design that allows each system to be configured with monitoring, input and output capabilities according to the needs of a particular site.

A. MONITOR.

1. Operating Temperature Range: 32°F to 122°F (0°C to 50°C).
   Storage Temperature Range: -4°F to 140°F (-20°C to 60°C).
2. **Monitor Features.**
   The TLS-300i monitor incorporates the following features (see Figure 1, "TLS-300i Front Panel Features"):
   - A two-line, 24-character-per-line Liquid Crystal Display
   - A 24-key front-panel keyboard with control and alphanumeric functions for programming, operating and reporting.
   - Three front-panel lamps to provide a visual indication of power-on, warning and alarm conditions.
   - An internal audible warning and alarm indicator.
   - An optional integral report printer with built-in take-up spool for hard-copy documentation of inventory, leak detect (optional) and alarm information, plus printed reports of all setup information.
3. **Monitoring Functions.**
   Monitoring functions, such as inventory control and interstitial leak sensing are provided via probe and sensor interfaces (see Figure 2, "TLS-300i Interface Area"):
   - **Probe Interface.** The interface accepts inputs from up to four in-tank digital sensing probes.
   - **Liquid Sensor Interface.** One interface accepts inputs from up to eight sensors.
4. **Input/Output Functions.**
   Input and Output functions provide for solid-state or switch inputs from external devices and for relay outputs to overfill alarms and external audible and visual warning devices, via:
   - **I/O Combination.** The I/O combination interface incorporates two Form C output relays fused for 2 Amps and two switch inputs.
5. **Communications Interface Functions.** External interface is provided via:
   - **RS-232 Interface with Auxiliary Port.** Provides two 25-pin female D-connectors for data transmission – direct via a null modem cable or through an external modem and over phone lines – to a computer or point-of-sale terminal. One D-connector contains all control lines the other acts as an auxiliary port.
   - **Printer Interface.** Is a standard feature between the CPU board and integral printer.

B. PROBES.

The TLS-300i can accommodate Veeder-Root capacitance and magnetostrictive probes. The installation and wiring procedures for these probes are described in this manual.

C. SENSORS.

A TLS-300i System can incorporate sensors that detect liquids in interstitial spaces of double-wall tanks and piping sumps of double-wall piping.

Interstitial, piping sump and hydrostatic sensors are two-wire devices. The installation and wiring procedures for these sensors are described in this manual.

SECTION 3. SITE PREPARATION

WARNING: IN INSTALLATION OF THIS PRODUCT, COMPLY WITH THE NATIONAL ELECTRICAL CODE; FEDERAL, STATE AND LOCAL CODES; AND OTHER APPLICABLE SAFETY CODES.

WARNING: TO PROTECT YOURSELF AND OTHERS FROM BEING STRUCK BY VEHICLES DURING WORK, BLOCK OFF YOUR WORK AREA DURING INSTALLATION OR SERVICE.

FAILURE TO COMPLY WITH THESE WARNINGS COULD RESULT IN DEATH, SERIOUS PERSONAL INJURY, PROPERTY LOSS, AND EQUIPMENT DAMAGE.

A. PROBE RISER PIPE INSTALLATION.

(See Figure 4, "Capacitance Probe Installation Requirements," and Figure 5, "Magnetostrictive Probe Installation Requirements.")

IMPORTANT: For maximum height-to-volume accuracy, select the threaded hole closest to the middle of the tank and install a 4-inch riser pipe (ANSI pipe, sch. 40).

Standard procedures for installing a fill pipe can be used. Instructions are based on a 4-inch riser pipe, however, the capacitance probes will also fit a 3-inch riser.

1. If the tank is buried, excavate the portion of the tank that contains the riser hole.
2. Remove the bung from the hole and install the riser pipe.

NOTE: The top of the riser pipe must be threaded to accept a 4 x 8 NPT cap adaptor ring.

In addition, make sure there will be enough clearance between the top of the installed riser cap and manhole cover to allow room for the two-wire probe cable to protrude from the cap.

3. Install a standard adaptor ring and riser cap on the riser pipe.

NOTE: The cap should be a locking cap, "Evertite" or equivalent, with a standard ring adaptor. The cap must be drilled and tapped to receive the furnished cable grip (see Section 5.B and Section 6.B).

Kits consisting of a 4-inch cap, adaptor ring and plug for the cap are available from Veeder-Root. For each probe riser, order one Kit Number: 312020-952.

B. INTERSTITIAL LIQUID SENSOR RISER PIPE INSTALLATION.

(See Figure 6, "Liquid Sensor Installation Requirements—Steel Tanks" and Figure 7, "Liquid Sensor Installation Requirements—Fiberglass Tanks").

NOTE: If the tank is at a tilt, install the sensor at the lower end of the tank.

1. Standard procedures for installing a fill pipe can be used. **Instructions are based on a 2-inch riser pipe.**

NOTE: Fiberglass tanks require a 4" diameter riser pipe.

2. If the tank is buried, excavate the portion that contains the riser hole.
3. Remove the bung from the hole and install the riser pipe.

NOTE: The top of the riser pipe must have a 2 x 14 NPT pipe thread or must accept a standard schedule 40 2 x 14 NPT male adaptor ring (supplied in Veeder-Root Kit Number 312020-928).

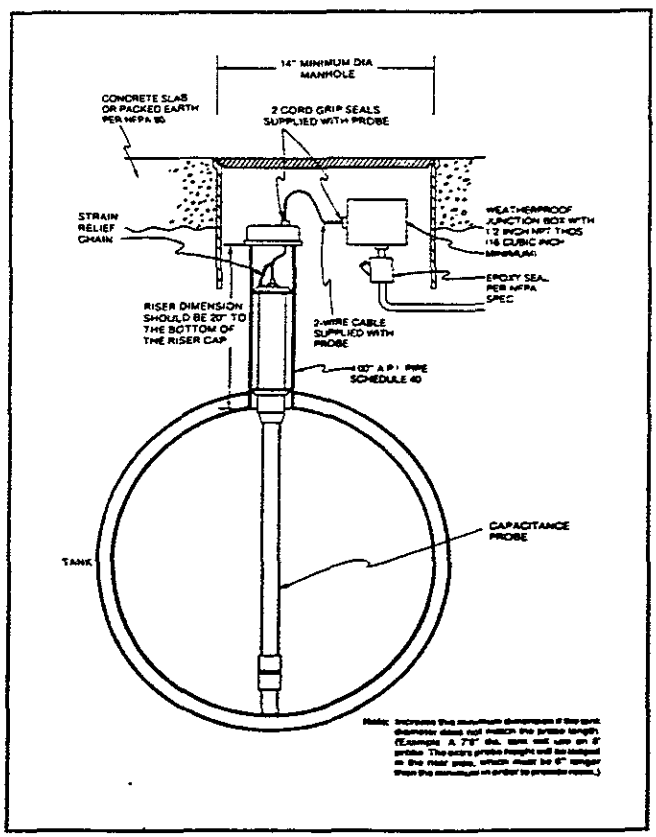


Figure 4. Capacitance Probe Installation Requirements.

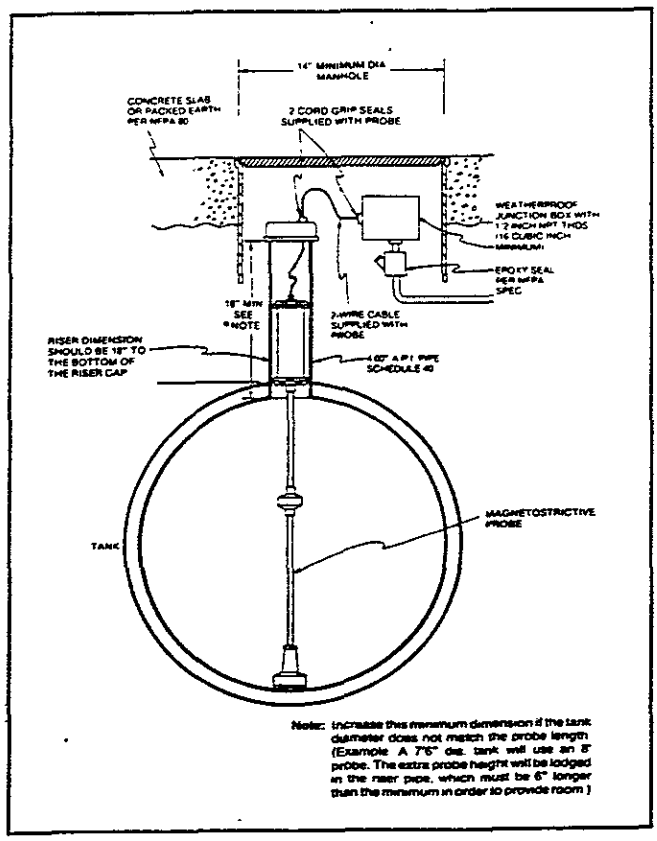


Figure 5. Magnetostrictive Probe Installation Requirements.

9. Seal wire nuts with epoxy sealant using one bag for two wire nut connections. (See Figure 27, "Epoxy Sealant for Two-Wire Connections.")

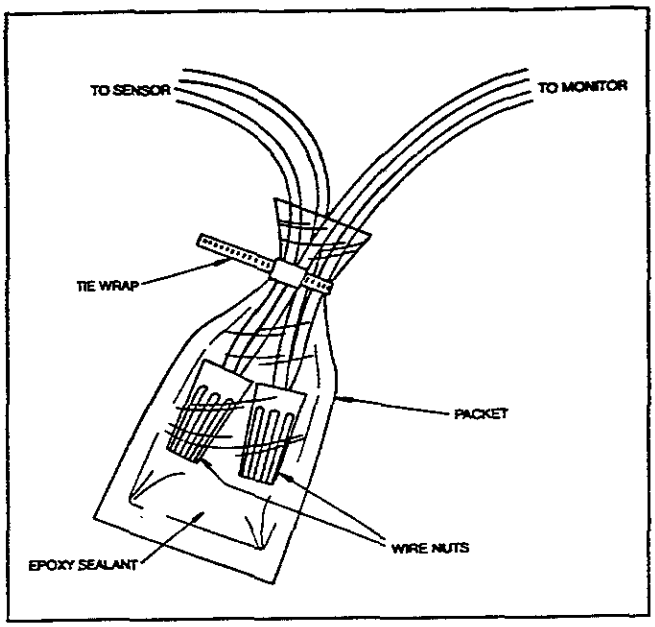


Figure 27. Epoxy Sealant for Two-Wire Connections.

CAUTION: IF MORE THAN TWO WIRE NUT CONNECTIONS SHARE AN EPOXY SEALANT BAG, THE CONNECTIONS WILL RESULT IN INACCURATE PROBE READINGS AND POSSIBLY FALSE ALARM CONDITIONS.

WARNING: EPOXY SEALANT MAY BE IRRITATING TO EYES AND SKIN. MAY CAUSE SKIN SENSITIZATION IN SUSCEPTIBLE INDIVIDUALS. MAY BE ABSORBED THROUGH THE SKIN. EPOXY SEALANT CONTAINS EPOXY RESIN AND VINYL CYCLOHEXENE-DIOXIDE. VINYL CYCLOHEXENE DIOXIDE HAS CAUSED SKIN CANCER IN ANIMAL TESTS.

PRECAUTIONS: AVOID EYE AND SKIN CONTACT. WEAR IMPERVIOUS GLOVES AND SAFETY GLASSES. USE ONLY IN WELL VENTILATED AREAS.

10. Tighten the cable bushing nuts on the probe riser cap and junction box to ensure a water-tight seal at the probe cable entry.

11. Secure the riser locking cap to the top of the riser pipe. A padlock may be installed for added security.

F. PROBE INSTALLATION IN ABOVEGROUND STORAGE TANKS

Install each probe in an aboveground storage tank as follows (see Figure 28; "Magnetostrictive Probe Installation Requirements for Aboveground Storage Tanks"):

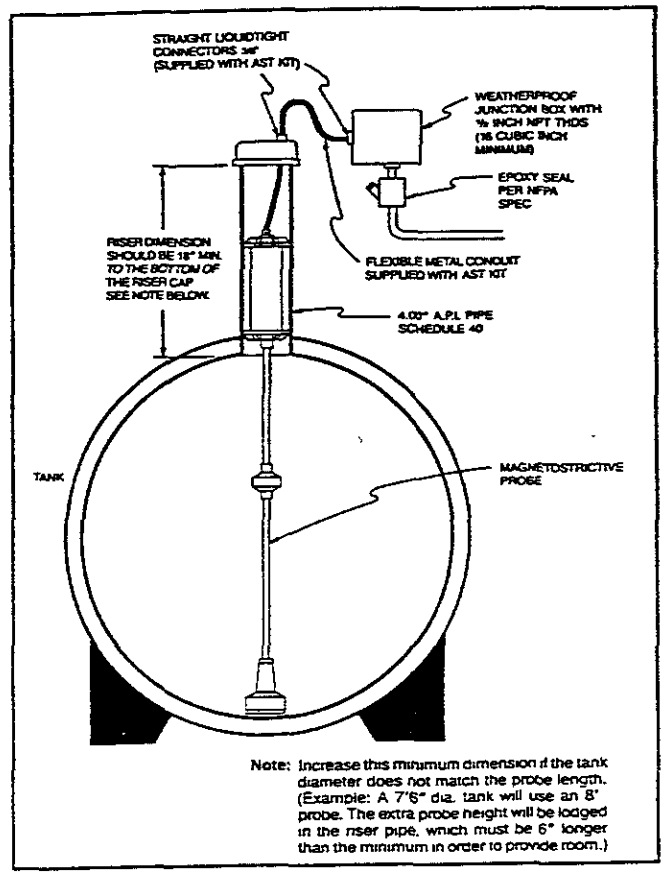


Figure 28. *Magnetostrictive Probe* Installation Requirements for Aboveground Storage Tanks.

WARNING: TO AVOID ELECTRICAL SHOCK WHICH COULD KILL YOU, BE SURE AC POWER TO THE MONITOR IS OFF DURING INSTALLATION.

1. Turn OFF power to the TLS system.

2. Make sure any liquid other than the product to be dispensed has been pumped out of the tank.

3. Be sure there is no sludge in the bottom of the tank. Sludge can interfere with proper operation of the water float.

CAUTION: HANDLE PROBES CAREFULLY! *STRIKING OR DROPPING PROBE WILL RESULT* IN LOSS OF CALIBRATION AND COULD CAUSE PERMANENT DAMAGE.

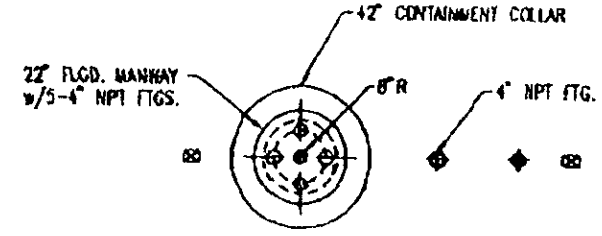
4. Attach the probe cable connector to the mating plug on the top of the probe. Be sure the connector is attached securely by hand tightening the locking ring.

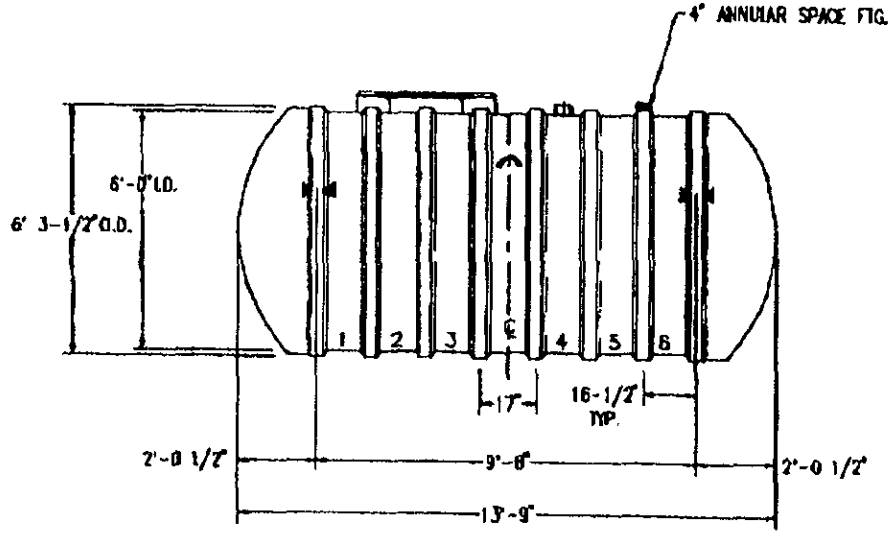
5. Place floats at bottom of probe before standing the probe on end.

CAUTION: HANDLE PROBES CAREFULLY! STRIKING OR DROPPING PROBE WILL RESULT IN LOSS OF CALIBRATION AND COULD CAUSE PERMANENT DAMAGE.

REPLACEMENT TANK SPECIFICATIONS

SHELL CODES: 2-E600450





NOTES:
- HOLD DOWN STRAP CLIP
- HOLD DOWN STRAP LOCATION
- TOP MOUNTED LIFT LUG
- 4" dia. MANWAY COVER FITTING

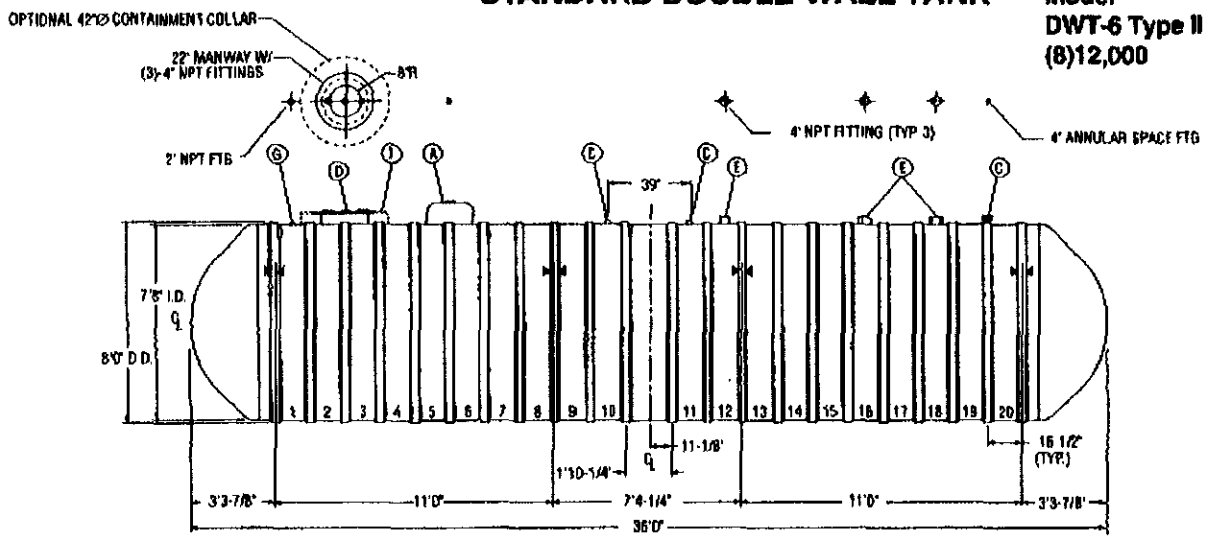
Product Code: # 602VSD02	Active Date: 6/6/96
Order #: _____	Qty: _____
City: _____	State: _____
Delivery Date: _____	Rep: _____

MODEL DWT-6 TYPE II (6')-2500

CAPACITY	SHIPPING WT. DRY/WET	DRAWN BY:	DATE:
2,689	2060/2660	KAS	6/1/97
			REVISED
FLUID CONTAINMENT INC.			DWG NUMBER 2507 DWG

STANDARD DOUBLE-WALL TANK

Model
DWT-6 Type II
(8)12,000



NOTES:

1. Anchor strap rib locations are indicated by arrows (▶ ◀).
2. Deflector plates are positioned under all primary tank fittings
3. For information and limitations on accessory locations on tanks, refer to the current issue of publication number 5-PE-16207 "Double-Wall Tanks"
4. Fittings are centered on an eight-inch radius from the center of the manway cover.

FITTING SCHEDULE

MK	SIZE	NO	ITEM	(POSITION) NOTES
A		1	*Fiberglas Reservoir w/1-4" NPT Fitting*	(5&8) Access To Annular Space Only
B	4" Dia	1	NPT Monitoring Fitting	(Rib #21) Access To Annular Space Only
C		2	Lift Lugs	(10&11)
D	22" ID	1	Manway w/3-4" NPT Fittings	(2&3) Primary Tank Fittings
E	4" Dia	3	NPT Tank Mounted Fittings	(12,16,18) Primary Tank Fittings
F	42" Dia	1	Optional Secondary Containment Collar	
G	2" Dia	1	NPT Test Fitting	(1) Access To Annular Space Only (Plant Use Only)
H				
I				
J				

CUSTOMER		DESTINATION & METHOD			
RECOMMENDED SERVICE					DRAWING NO
QUANTITY	MODEL **DWT-6 Type II (8)12,000**	ACTUAL CAPACITY **11,627 Gallons**			
APPROX. WEIGHT EMPTY **6000 Lbs.**	APPROX. WEIGHT WITH MONITORING FLUID **8000 Lbs.**	CUSTOMER DRAWING NO			
PREPARED BY		TELEPHONE	NO	REVISION	DATE CHKD

Short Form Specification:

The contractor shall provide U.L.-labeled Double-Wall *Fiberglas®* underground storage tanks in sizes and with fittings as shown on the drawings. The tanks shall be manufactured by OWENS-CORNING.

Tanks shall be tested and installed with pea gravel or approved alternate backfill material according to the current installation instructions (OWENS-CORNING Publication 3-PE-6304) provided with the tank.

Monitoring Capabilities

The following continuous monitoring conditions are compatible with the cavity between the inner and outer tank:

- Vented to atmosphere
- Sealed tank cavity
- Vacuum—3" mercury maximum (1.5 psi max.)
- Positive air pressure (3 psi max.)
- Hydrostatic pressure—7 foot maximum head pressure over tank top.

Clearance between inner and outer wall at monitor probe rib ..... 7/8 inch

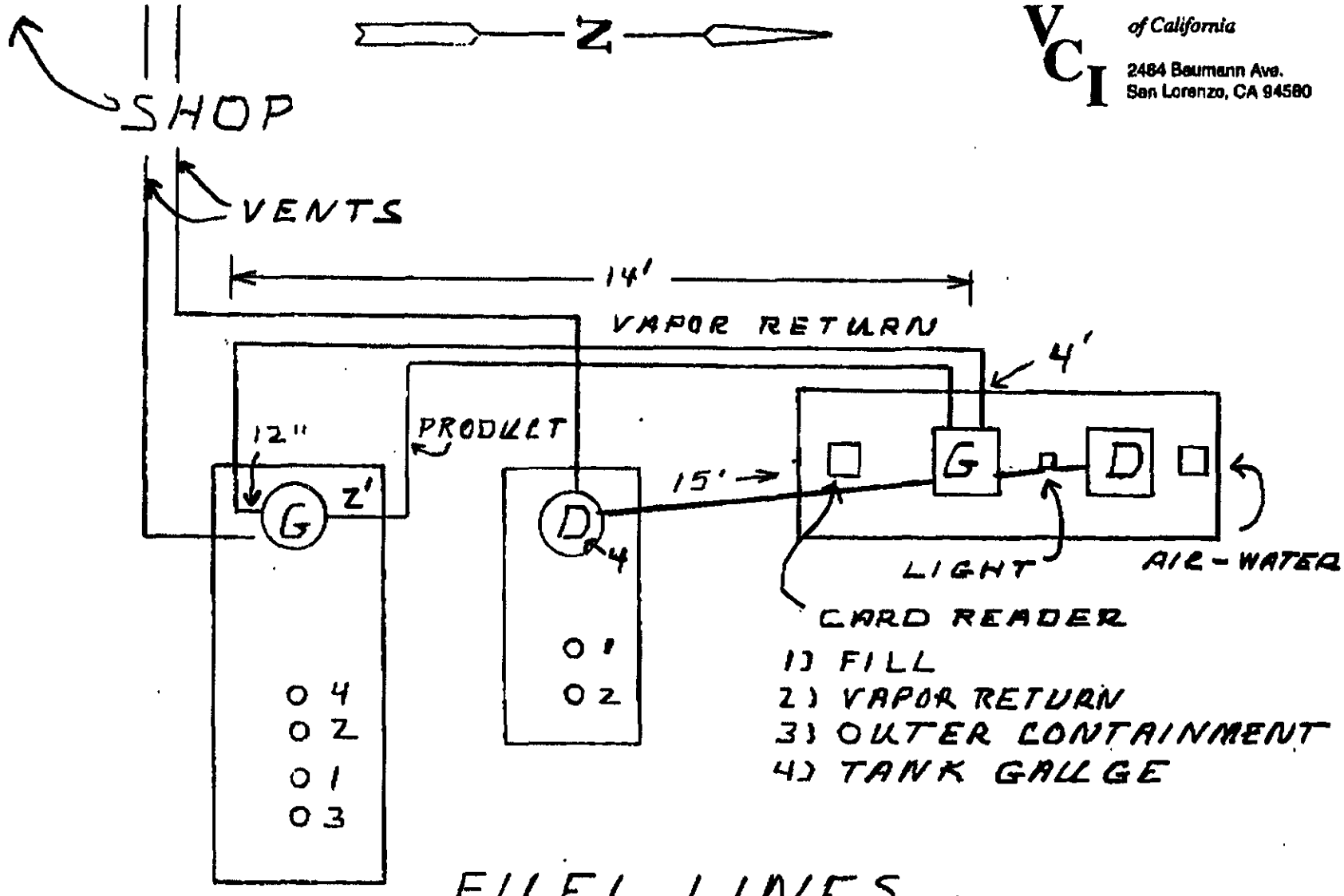
Governing Standards:

1. ASTM Specification D4021-81, Glass *Fiber Reinforced Polyester Underground* Petroleum Storage Tanks.
2. U.L.1316, Underwriters Laboratories, Inc., Glass Fiber Reinforced Plastic Underground Storage Tanks for Petroleum Products.
3. National Fire Protection Assoc. (NFPA 30) Flammable and Combustible Liquids Code and (NFPA 31) Standards for Installation of Oil Burning Equipment.
4. General Services Administration, Public Building Service Guide Specification, PBS: 1568.

OWENS CORNING™

OWENS-CORNING WORLD HEADQUARTERS
FIBERGLAS TOWER

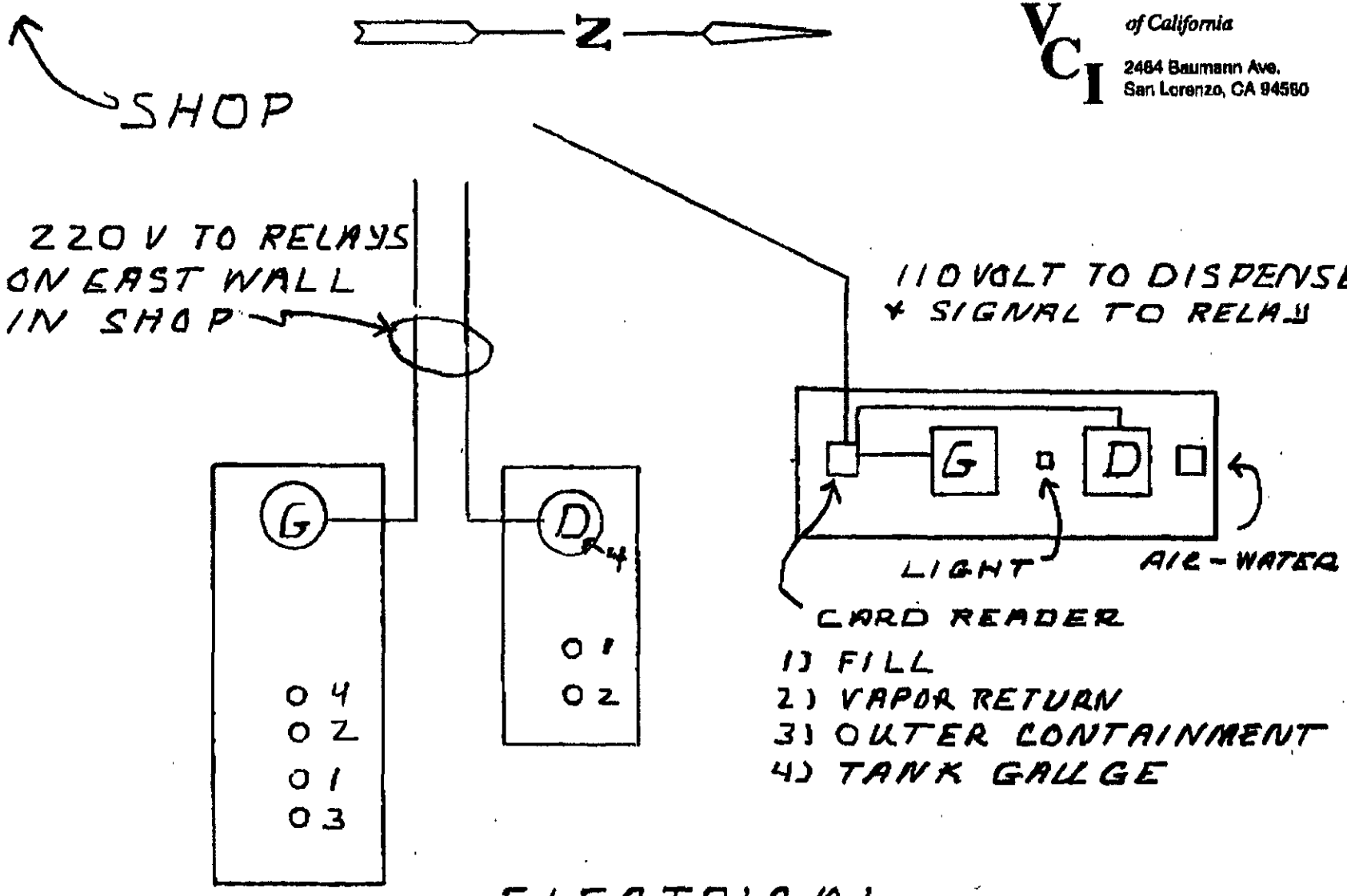
VCI of California
2484 Baumann Ave.
San Lorenzo, CA 94580



FUEL LINES

EAST BAY REGIONAL PARK
17930 LAKE CHABOT ROAD

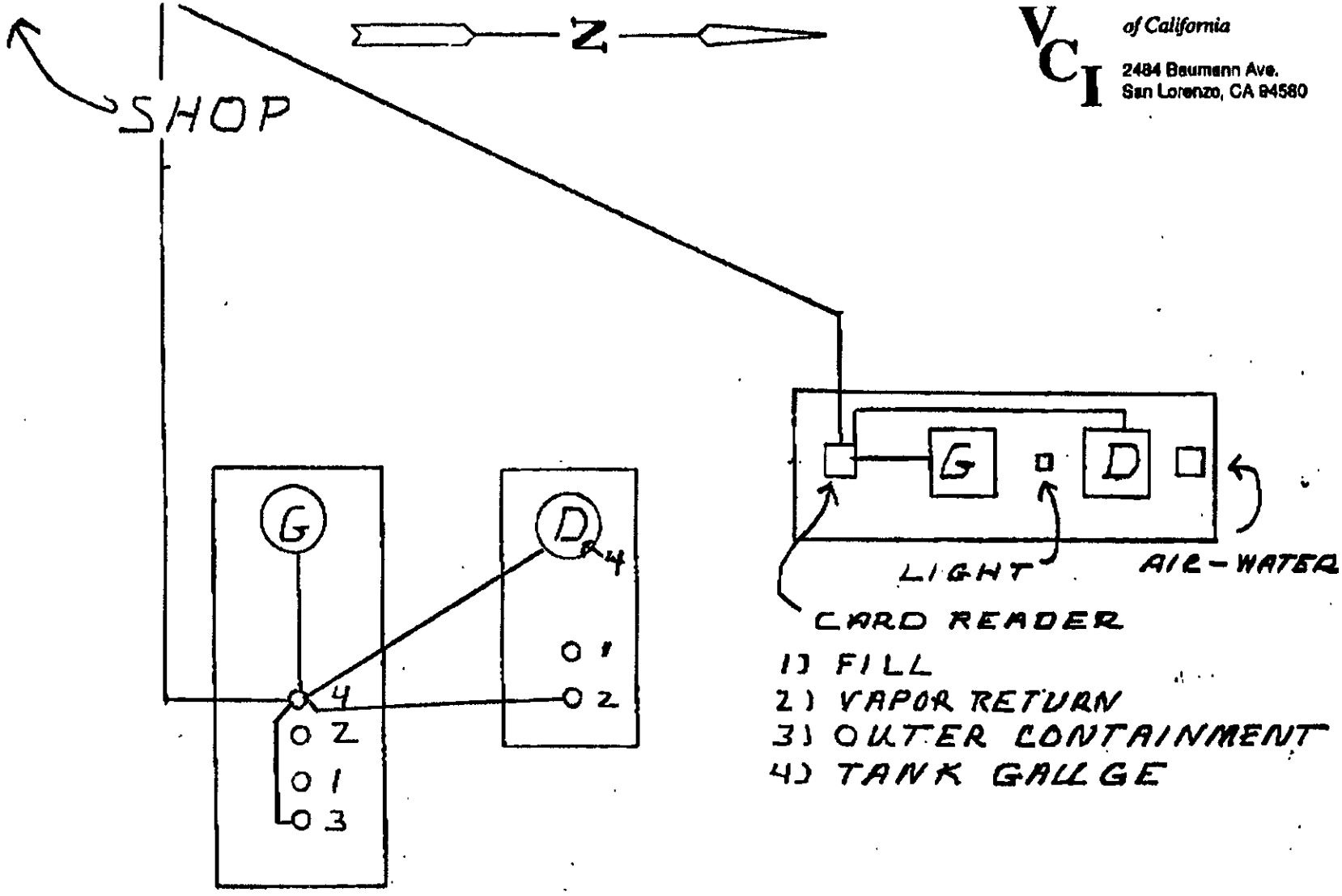
VCI of California
2484 Baumann Ave.
San Lorenzo, CA 94580



ELECTRICAL

EAST BAY REGIONAL PARK
17930 LAKE CHABOT ROAD

VCI of California
2484 Baumann Ave.
San Lorenzo, CA 94580



MONITER LINES

EAST BAY REGIONAL PARK
17930 LAKE CHABOT ROAD

TANK SYSTEM HYDROSTATIC TESTING INSPECTION REPORT

ALAMEDA COUNTY ENVIRONMENTAL HEALTH / HAZARDOUS MATERIALS DIVISION
1131 HARBOR BAY PKWY., RM. 250, ALAMEDA, CA 94502-6577 (510)567-6700 FAX (510) 337-9355

HAZARDOUS WASTE GENERATOR INSPECTION REPORT

STID #: 1813	FACILITY NAME: EBRPD 17930 Lk. Chabot Rd., C.V.	PG. 1 OF 1

SUPPLEMENTAL FORM

On-site to observe hydrostatic test for dispenser sumps, piping sumps, and overfill buckets. Also, vent lines were inspected to ensure they held pressure.

Vent lines pressurized to 5 psi and joints soaped. All vents appear to be "tight" between sumps and risers.

Sumps, buckets - all buckets were reportedly filled for more than a week; dispenser and piping sumps had been filled since late last week. Water level was above all penetrations in piping sumps. After tightening ~~three~~ three clamps on one piping sump (gasoline) penetration flanges, all appeared "tight."

* Primary piping test to be performed later once appropriate separation is achieved between piping and turbines so that piping can be pressurized to test pressures.

PRINT NAME: VERA RUTHLISBERGER	INSPECTED BY: Scott Seery
SIGNATURE:	DATE: 1-4-99