

Ben's Truck & Equipment, Inc.

GENERAL ENGINEERING CONTRACTOR • LIC. #877697-A
HAZARDOUS WASTE & TANK REMOVAL • ROAD BUILDING
2060 MONTGOMERY RD. • P.O. BOX 732 • RED BLUFF, CA 95080
(916) 527-5040 • FAX (916) 527-9170

FAX COVER SHEET

DATE: 7-11-94
TO: SUSAN Hugo
FROM: Kurt Sale

FAX NO. 510-337-9335
FIRM: B.T.E
NO. OF PAGES: 28
(Including this page)

RE: Bay Bridges tank removal

COMMENTS: Sorry for some mail presented
to be faxed. Need to know if anything
else will be required. Will Fed Ex in
tomorrow if everything is ok.
Thank you
[Signature]

7/12/94 reviewed:

- 1) no deposit - need to mail hard copy plus check
- 2) Hospital - nearest hospital reviewed
- 3) direction to the site
- 4) History of tank - known? how identified?

No dispenser

5) Stockpiled soil must be characterized
6) and dispenser, island, pump, must be removed & samples
IF ANY PAGES OF THIS FACSIMILE ARE ILLEGIBLE, PLEASE CALL (916)
529-3290 OR (916) 527-5040.

collected. all pipings associated w/ the tank must
be removed; samples collected at 1/20 interval ft.

7) forms A & B (hard copy) must be submitted.

7/12/94 (1.0 hrs) (45) review us removal permit

(0.4 hrs) (47) talked to Kurt Sale

7/13/94 (0.3 hrs) (47) " " Steve Russell (Cal Trans)

(0.3 hrs) (47) talked to Kurt Sale (Fed Ex Hard copy)

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REMOVAL PLAN

July 7, 1994

Department of Environmental Health
Hazardous Material Division
1331 Harbor Bay Blvd.
Alameda, CA 94501
ATTN: Susan Hugo

RE: Bay Bridge Tank Removal

Plan for removal of one 500 gallon underground storage tank containing kerosene. All pertinent EPA, OSHA, Federal, State and County regulations will be followed during all portions of the work.

The top of the tank will be exposed, and all connective piping will be drained into the tank. The remaining product in the tank will be placed in a B.T.E. vacuum truck, manifested, and hauled to a fully permitted disposal facility for recycle.

The tank will then be purged with carbon dioxide. Once L.E.L. or oxygen levels meet County Requirements, the tank will be loaded on an Erickson Tank truck, located at 255 Par Blvd. Richmond, CA, and manifested to their facility. All soils excavated during tank removal shall be stockpiled on visqueen and covered with visqueen on site.

One soil sample will be taken from one end of the tank, and forwarded to Alpha Labs for analytical testing. The soil samples will be tested for T.P.H.D., B.T.E.X., and total lead. There will be a 48-hour turn-around on the soil sampling. The County will receive results of all analytical test results, and copies of all manifests. ✓

If you should have any questions, or require additional information, please do not hesitate to contact me. I can be reached at (916) 527-5040.

Thank you,

Kurt Sale, Vice President
Ben's Truck & Equipment, Inc.

**SITE SAFETY & HEALTH PLAN
TANK REMOVAL
EAST SIDE BAY BRIDGE**

I. GENERAL

**A. SITE: East Side Bay Bridge
Station 279+80**

B. PROJECT DESCRIPTION:

Removal and disopse of 1-500 gallon Kerosene tank and product. All pertinent EPA, OSHA, Federal, State, and County regulations will be followed during all portions of the work.

C. CONTACTS:

BEN'S TRUCK & EQUIPMENT, INC.
2060 Montgomery Road
P. O. Box 732
Red Bluff, CA 96080

Site Safety Officer:	Kurt Sale	(916) 527-5040
Technician Level 3:	Larry Rogers	(916) 527-5040
Field Supervisor:	Pat Adams	(916) 527-5040

Owner/Client:	Steve Russell	
	Cal Trans District 4	
	Richmond Office	(510) 231-7116

Police 911

Fire Department 911

Ambulance 911

Saint Francis Memorial	(415) 353-6000
900 Hyde Street	
San Francisco, CA	

D. IMPLEMENTATION PROCEDURES:

All Ben's Truck & Equipment, Inc. employees shall be familiar with, and have in their possession a copy of this safety plan during all work. A representative from each contractor/subcontractor shall be provided with a copy.

A tailgate safety session shall be held prior to beginning of work and at least every working day thereafter for the duration of the project. Safety discussions shall include the Code of Safe Practices, general safety guidelines, safety related to air quality hazards, and safety hazards specific to the site.

II. SITE SPECIFIC SAFETY HAZARDS

A. FUEL TANKS/OTHER HAZARDOUS MATERIAL ON SITE

The tanks scheduled to be excavated formerly contained kerosine. There is a potential for petroleum fumes, however, no unusual hazards are known to exist on the site.

B. OTHER SITE HAZARDS & HAZARDOUS ACTIVITIES

All proposed stockpile areas are located on the property. Underground utilities will be located prior to excavation with the assistance of the owner.

III. SAFETY CONTROL MEASURES

A. OPERATIONAL CONSTRAINTS:

Workday operation is suitable. Facilities are available for on site equipment storage. No smoking is allowed in the vicinity of stockpiled soils, or buffer zone. Equipment is to be kept clean and stored in the proper safe location when not in use.

All underground utilities in the area shall be identified and marked by the property owner prior to project commencement.

Cross-contaminated will be avoided by cleaning all sampling equipment with a TSP wash and clean water rinse prior to and between all sampling events.

B. SITE CONTROL:

A buffer exclusion zone will be established extending at least 15' from the actual operations area in all directions; no unauthorized persons shall be allowed inside. All vehicular and pedestrian traffic will be excluded from the area during the period of operations. Area is fenced.

C. SITE MONITORING/SAFETY-HYGIENE EQUIPMENT:

A gastech meter will be on site at all times.

A first aid kit and at least two fire extinguisher shall be on site, with the location known to all personnel.

D. PERSONAL PROTECTION:

Level D personal protection is acceptable, including: normal work garments, safety glasses, ankle-high leather boots with steel toes, gloves, hard hats, and safety glasses. Nitrile gloves will be worn in cases where petroleum or metal contaminated soil is handled.

All field personnel involved shall have a NIOSH approved air purifying half-face respirator, fitted with approved organic vapor cartridges (Willson R21 or equivalent). Respirators shall be inspected, maintained, stored and cleaned in accordance with standard procedures and the company respirator protection program; cartridges shall be replaced not less than every 8 continuous hours exposure to detectable organic vapors. All personnel shall be trained in proper use of the respirator, and possess the standard 8 hour OSHA safety training update within the past year. (Certificate attached)

E. WASTE MANAGEMENT:

Remaining product in tank will be loaded in a B.T.E vacuum truck, manifested and hauled to a fully permitted disposal facility for recycle.

The underground tank to be loaded on a Erickson Tank truck, located at 255 Par Blvd, Richmond, CA and manifested to their facility. All soils excavated during tank removal shall be stockpiled on visqueen and covered with visqueen on site.

IV. EMERGENCY PROCEDURES

1. When possible, and where safe, disengage any potential hazard to public health or environment (i.e., shut off machinery, valve, etc.)
2. Notify appropriate emergency personnel (page 1).
3. Seek medical attention (hospital or ambulance; page 1)
4. Notify Project Supervisor and Owner.
5. Document circumstances of injury and collect names, addresses, and statements from any witnesses.

07/11/94 10:59 BEN'S TRUCK & EQUIP. → 510 337 9335 NO. 885 007

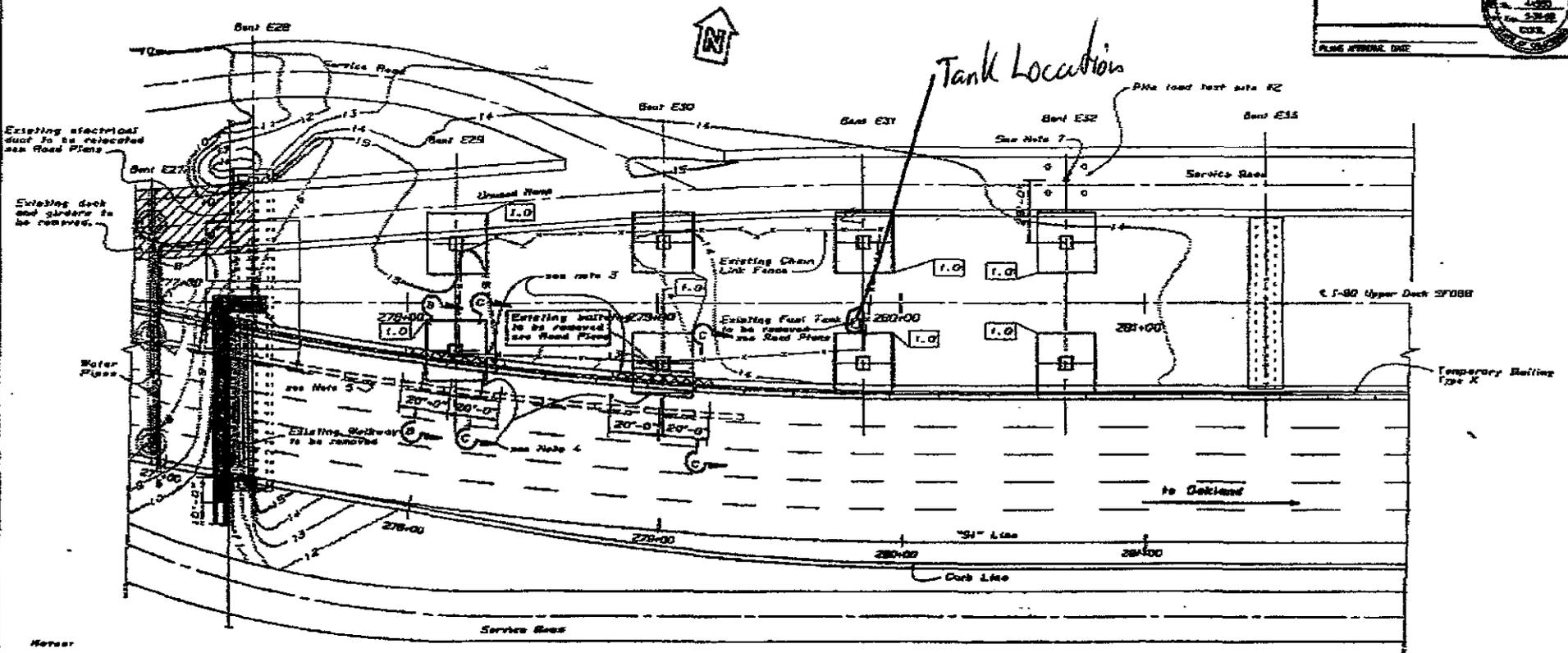
Upper Deck not shown for clarity.

NOTE:
THE CONTRACTOR SHALL VERIFY ALL
CONROLLING FIELD DIMENSIONS
BEFORE ORDERING OR FABRICATING
ANY MATERIAL.

DIST.	COUNTY	ROUTE	POST MILES	TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	ALA	80			4450	2308

REGISTERED ENGINEER - CIVIL

PLANS APPROVAL DATE

Notes:

1. For sloping and striping details, see Road Plans.
2. Slope 1:1
-Construct footings and columns of Bents E28, E29, E30, E31, E32, E33 through E35 and E36.
-Construct 6" x 20" pile caps at Bents E28, E29, E30 and E31.
3. Remove and reconstruct 48'-0" section of existing barrier, see Sections D-D and E-E, see "Bent E28-C28 - Barrier Details" sheet.
4. Moveable steel shear plate with attached Temporary Retaining Type K to be in place when pile driving and present.
5. Position Temporary Retaining Type K to protect work area when pile driving is present and steel shear plate is removed.
6. Section of existing structure indicated by [Symbol] to be removed.
7. For final pile layout and spacing, see "Final Bent Pile Layout" sheet.

PLAN

1" = 20'-0"

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(916) 527-5040 • FAX (916) 527-9170

LABORATORY

Alpha Lab
860 Waugh Lane H-1
Ukiah, CA 95482
(707) 468-0401
Dept. of Health Serv. #1551 (Exp.-6/95)

TANK DISPOSAL FACILITY

Erickson Tank
255 Par Blvd.
Richmond, CA 94801
(510) 235-1393
EPA No: CAD009466392
Hazardous Waste Hauler No: 0019 (Exp.-5/95)

REMAINING PRODUCT TRANSPORTER

Ben's Truck & Equipment, Inc.
P.O. Box 732
Red Bluff, CA 96080
(916) 527-5040
EPA No: CAD055559678
Hazardous Waste Hauler No: 0643 (Exp.-9/95)

PRODUCT DISPOSAL FACILITY

EnviroPure West (new name)
PRC Patterson, Inc.
dba Refineries Service
P.O. Box 1167
Patterson, CA 95363
(209) 892-6742
(800) 874-4444
EPA No: CAD083166728
Hazardous Waste Hauler No: 2591 (Exp.-6/95)

Outback

WORK REQUEST

B31

FOR HAZARDOUS WASTE/UNDERGROUND TANKS

OALC 3(1989)

Health 10"

I. HIGHWAY PROJECT DESCRIPTION

DISTRICT	COUNTY	ROUTE	POST MILE	CHARGE UNIT	E.A.
4	Ala	80	1.0-1.3	544	192283

Fire department permits

II. SCOPE OF SERVICES REQUESTED

Contractor to provide all labor, materials, equipment, tools needed to remove and dispose of an unregistered under ground fuel storage tank (UST) of unknown capacity containing a small amount of kerosine. The approximate location of the UST is just west of the southern half of Bent E-31 (Station 279+80). The filler pipe for the UST is protruding above the ground surface. The work will be performed in accordance with the ten Items (8) listed below, and the provisions and rates provided in the State Wide Contract No. 54U271.

ITEMS

1. Contractor will notify the Designee within 24 hrs. after receiving this Work Request with regard to the acceptance of the Work Request. The UST will be removed within 5 working days after the acceptance of the Work Request. An estimate will be provided within 24 hrs. of the acceptance of work for the removal and disposal of the following UST sizes (200, 300, 500 and 1000 gallon capacity) prior to the commencement of work.
2. Notify the Designee at least 8 hrs. in advance of the commencement of work.
3. Remove and dispose of UST associated piping, and remaining liquid contained within, in accordance with the Alameda County Health Dept. guidelines, EPA and OSHA regulations, and any other applicable state or federal requirements.
4. Excavate up to 5ft. of contaminated soil beneath the UST if visual, olfactory, or photo-ionization detector (PID) observations indicate the soil is contaminated in excess of the allowable limits of the proper authority. Excavation of contaminated soil shall not extend greater than 5 ft. beneath the UST for this work request. Excavated soil may be temporarily stock piled on adjacent Caltrans owned property until removed for disposal. Contaminated soil piles will be properly covered and stored on appropriate plastic liner material during temporary storage at the site.
5. Dispose of contaminated soil to an appropriately licensed disposal facility within 10 working days.
6. Back fill excavation to level grade with clean soil (imported if necessary) and compact to specifications required by Caltrans Standard Specifications.
7. Provide appropriate soil sampling and testing (grab sample) by a certified laboratory and submit results (within 48 hrs. of the UST removal), to the Alameda County Health Dept., and a copy to the Designee.
8. Pay for all State surcharges and County registration fees required to properly register the UST, if required by the local implementing agency (currently not listed).

III. REMARKS

The Designee for this project is Steve Russell

(510) 231-7116 WORK
(510) 231-7110 FAX

IV. CERTIFICATION

PREPARER STEVE RUSSELL	TITLE ASS. RESIDENT ENGINEER	PHONE NO. (510) 231-7116
SIGNATURE		DATE 6/28/94

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



COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

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

OWNER OR FACILITY NAME WHERE TANK IS INSTALLED: _____

TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN

1. TANK IDENTIFICATION NO. <u>NA</u>	2. MANUFACTURED BY: <u>NA</u>
3. DATE INSTALLED (MO/DAY/YR) <u>NA</u>	4. TANK CAPACITY IN GALLONS: <u>NA</u>

TANK CONTENTS (A-F IS MARKED, COMPLETE ITEM G.)

<input type="checkbox"/> 1 MOTOR VEHICLE FUEL	<input type="checkbox"/> 4 OIL	9. <input checked="" type="checkbox"/> 1 PRODUCT	10. <input type="checkbox"/> 1a REGULAR UNLEADED	<input type="checkbox"/> 3 DIESEL	<input type="checkbox"/> 6 AVIATION GAS
<input checked="" type="checkbox"/> 2 PETROLEUM	<input type="checkbox"/> 50 EMPTY	<input type="checkbox"/> 2 WASTE	<input type="checkbox"/> 1b PREMIUM UNLEADED	<input type="checkbox"/> 4 GASAHOL	<input type="checkbox"/> 7 METHANOL
<input type="checkbox"/> 3 CHEMICAL PRODUCT	<input type="checkbox"/> 99 UNKNOWN		<input type="checkbox"/> 2 LEADED	<input checked="" type="checkbox"/> 5 JET FUEL	

7. IF (A-F) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED Kerosine O.A.S.#: _____

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

<input type="checkbox"/> 1 DOUBLE WALL	<input type="checkbox"/> 3 SINGLE WALL WITH EXTERIOR LINER	<input checked="" type="checkbox"/> 99 UNKNOWN
<input type="checkbox"/> 2 SINGLE WALL	<input type="checkbox"/> 4 SECONDARY CONTAINMENT (VAULTED TANK)	<input type="checkbox"/> 99 OTHER _____
<input type="checkbox"/> 1 BARE STEEL	<input type="checkbox"/> 2 STAINLESS STEEL	<input type="checkbox"/> 3 FIBERGLASS
<input type="checkbox"/> 2 CONCRETE	<input type="checkbox"/> 6 POLYVINYL CHLORIDE	<input type="checkbox"/> 7 ALUMINUM
<input type="checkbox"/> 3 BRONZE	<input type="checkbox"/> 10 GALVANIZED STEEL	<input checked="" type="checkbox"/> 99 UNKNOWN
<input type="checkbox"/> 4 RUBBER LINED	<input type="checkbox"/> 2 ALKYD LINING	<input type="checkbox"/> 3 EPOXY LINING
<input type="checkbox"/> 5 GLASS LINING	<input type="checkbox"/> 3 UNLINED	<input checked="" type="checkbox"/> 99 UNKNOWN
6. LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___		
<input type="checkbox"/> 1 POLYETHYLENE WRAP	<input type="checkbox"/> 2 COATING	<input type="checkbox"/> 3 VINYL WRAP
<input type="checkbox"/> 3 CATHODIC PROTECTION	<input type="checkbox"/> 31 NONE	<input checked="" type="checkbox"/> 99 UNKNOWN
<input type="checkbox"/> 4 FIBERGLASS REINFORCED PLASTIC	<input type="checkbox"/> 99 OTHER _____	

8. SPILLING SUBMITTAL SPILL CONTAINMENT INSTALLED (YEAR) NA OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) NA

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

SYSTEM TYPE	A U 1 SUCTION	A U 2 PRESSURE	A <input checked="" type="checkbox"/> U 3 GRAVITY	A U 99 OTHER
CONSTRUCTION	A U 1 SINGLE WALL	A U 2 DOUBLE WALL	A U 3 LINED TRENCH	A <input checked="" type="checkbox"/> U 99 UNKNOWN A U 99 OTHER
MATERIAL AND CONNECTION	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
PROTECTION	A U 9 GALVANIZED STEEL	A U 10 CATHODIC PROTECTION	A <input checked="" type="checkbox"/> U 99 UNKNOWN	A U 99 OTHER

9. LEAK DETECTION 1 AUTOMATIC LINE LEAK DETECTOR 2 LINE TIGHTNESS TESTING 3 INTERSTITIAL MONITORING 99 OTHER UNKNOWN

TANK TEST DETECTION

<input type="checkbox"/> 1 MANUAL CHECK	<input type="checkbox"/> 2 INVENTORY RECONCILIATION	<input type="checkbox"/> 3 VAPOR MONITORING	<input type="checkbox"/> 4 AUTOMATIC TANK GAUGING	<input type="checkbox"/> 5 GROUND WATER MONITORING
<input type="checkbox"/> 6 LEAK TESTING	<input type="checkbox"/> 7 INTERSTITIAL MONITORING	<input type="checkbox"/> 8 NONE	<input checked="" type="checkbox"/> 99 UNKNOWN	<input type="checkbox"/> 99 OTHER

TANK CLOSURE INFORMATION

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

I, Steven C Russell HAVE BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT
DATE 7/8/94

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

COUNTY #	JURISDICTION #	FACILITY #	TANK #
PERMIT APPROVED BY/DATE		PERMIT EXPIRATION DATE	

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

STATE OF CALIFORNIA
 STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A
 COMPLETE THIS FORM FOR EACH FACILITY/SITE



1 NEW PERMIT 2 RENEWAL PERMIT 3 CHANGE OF INFORMATION 7 PERMANENTLY CLOSED SITE
 8 INTERIM PERMIT 4 AMENDED PERMIT 6 TEMPORARY SITE CLOSURE

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

FACILITY/SITE NAME: Bay Service Rd Tank NAME OF OPERATOR: Cal Trans Dist 21
 ADDRESS: 1200 Bridge East Bay Toll Plaza NEAREST CROSS STREET: _____ PARCEL # (OPTIONAL): _____
 CITY/STATE: Richmond, CA ZIP CODE: 94767 SITE PHONE # WITH AREA CODE: _____

OPERATOR TYPE: CORPORATION INDIVIDUAL PARTNERSHIP LOCAL AGENCY DISTRICTS' COUNTY AGENCY' STATE AGENCY' FEDERAL AGENCY'
 IF STATE AGENCY, complete the following: name of supervisor of division, section, or office which operates the UST: Steven C Russel
 UST TYPE: 1 GAS STATION 2 DISTRIBUTOR 3 FARM 4 PROCESSOR 5 OTHER IF INDIAN RESERVATION OR TRUST LANDS
 # OF TANKS AT SITE: 1 E.P.A. I.D.# (optional): NA

EMERGENCY CONTACT PERSON (PRIMARY) **EMERGENCY CONTACT PERSON (SECONDARY) - optional**
 NAME: Steven C Russel PHONE # WITH AREA CODE: (510) 231-7116 DAYS: NAME (LAST, FIRST): Jim Russ PHONE # WITH AREA CODE: (510) 286-5629
 NAME: Mike Condie PHONE # WITH AREA CODE: (510) 284-1124 NIGHTS: NAME (LAST, FIRST): _____ PHONE # WITH AREA CODE: _____

PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

CARE OF ADDRESS INFORMATION: Steven C Russel
 NAME: Cal Trans Dist 21 BOX OR INBOX INDIVIDUAL LOCAL AGENCY STATE AGENCY
1200 Regatta Blvd CORPORATION PARTNERSHIP COUNTY AGENCY FEDERAL AGENCY
 CITY: Richmond STATE: CA ZIP CODE: 94764 PHONE # WITH AREA CODE: (510) 231-7116

OWNER INFORMATION - (MUST BE COMPLETED)

CARE OF ADDRESS INFORMATION: Steven C Russel
 NAME: Cal Trans Dist 21 BOX OR INBOX INDIVIDUAL LOCAL AGENCY STATE AGENCY
1200 Regatta Blvd CORPORATION PARTNERSHIP COUNTY AGENCY FEDERAL AGENCY
 CITY: Richmond STATE: CA ZIP CODE: 94764 PHONE # WITH AREA CODE: (510) 231-7116

NUMBER OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.
 ACCOUNT NUMBER: 12 - [] [] [] [] [] [] [] [] [] []

PERMITTEE'S FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) - IDENTIFY THE METHOD(S) USED

1 SELF-INSURED 2 LETTER OF CREDIT 3 GUARANTEE 4 INSURANCE 5 BURETY BOND
 6 EXEMPTION 99 OTHER

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

CHECK BOXES 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

SIGNATURE (PRINTED & SIGNED): Steven C Russel OWNER'S TITLE: Ass. Res. Engineer DATE: 7/8/94

LOCAL AGENCY USE ONLY

COUNTY #: [] [] JURISDICTION #: [] [] [] FACILITY #: [] [] [] [] [] []
 DISTRICT CODE - OPTIONAL: [] [] SUPERVISOR - 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.

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FAX COVER SHEET

DATE: 7-11-94

FAX NO. 510-337-9335

TO: SUSAN Hugo

FIRM: B.T.E

FROM: Kurt Sale

NO. OF PAGES: 28
(Including this page)

RE: Bay Bridge tank removal

COMMENTS: Sorry for non mail personnel
to be faxed. Need to know if anything
else will be required. Will Fed ex in
triplicate if everything is ok.
Thank you
KL

IF ANY PAGES OF THIS FACSIMILE ARE ILLEGIBLE, PLEASE CALL (916) 529-3290 OR (916) 527-5040.

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LABORATORY

Alpha Lab
860 Waugh Lane H-1
Ukiah, CA 95482
(707) 468-0401
Dept. of Health Serv. #1551 (Exp.-6/95)

TANK DISPOSAL FACILITY

Erickson Tank
255 Par Blvd.
Richmond, CA 94801
(510) 235-1393
EPA No: CAD009466392
Hazardous Waste Hauler No: 0019 (Exp.-5/95)

REMAINING PRODUCT TRANSPORTER

Ben's Truck & Equipment, Inc.
P.O. Box 732
Red Bluff, CA 96080
(916) 527-5040
EPA No: CAD055559678
Hazardous Waste Hauler No: 0643 (Exp.-9/95)

PRODUCT DISPOSAL FACILITY

EnviroPure West (new name)
PRC Patterson, Inc.
dba Refineries Service
P.O. Box 1167
Patterson, CA 95363
(209) 892-6742
(800) 874-4444
EPA No: CAD083166728
Hazardous Waste Hauler No: 2591 (Exp.-6/95)



JUL 08 1994

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

UNDERGROUND STORAGE TANK REMOVAL PROCESS IN ALAMEDA COUNTY

Dear Property Owner/Contractor:

The Alameda County Department of Environmental Health, Hazardous Materials Division, requires the following steps to be taken for the removal of underground storage tanks within its jurisdiction. Each step must be completed, and in the order shown, to ensure efficient review of your closure plan. The County's enforcement authority derives from Title 23 of the California Code of Regulations (CCR), Chapter 6.7 of the Health and Safety Code, and a letter of agreement with the San Francisco Bay Regional Water Quality Control Board, and applies to underground storage tank removals within all parts of the county except for the cities of Berkeley, San Leandro, Hayward, Newark, Union City, Fremont, and Pleasanton. These cities administer their own underground storage tank programs and have their own requirements.

1. Obtain a blank Underground Tank Closure Plan from this office.
2. Complete the Underground Tank Closure Plan and attach the requested supporting documents (i.e., a site safety plan; a facility plot plan; copy of contractors hazardous materials license; and a copy of the contractor's worker's compensation insurance certificate with the site address and certificate expiration date typed on it). Instructions for filling out the plan are attached to the plan blank.
3. Submit three copies of both the completed plan and the attachments to this office. A deposit must also be submitted at this time. The deposit, authorized by Section 3-141.6 of the Alameda County Ordinance Code, pays for the time spent by Hazardous Materials Specialists on the tank closure project. Deposit fee schedules are available at our office. Should the project be complex and time consuming, additional deposit money will be requested. Any unused deposit money will be refunded to the property owner or his/her designee at the close of the project.
4. We will review the Closure Plan within 30 days of plan receipt and contact you if there are deficiencies. Once the Plan is satisfactorily completed, we will stamp the plans and notify

you. You may then pick up two copies of your stamped plan. We will retain the third copy for our files. All notes written on the plans by the project Specialist are conditions of plan acceptance and must be followed.

5. Present a copy of the stamped Closure Plan to the local fire department to obtain a permit. The local building department and the Bay Area Air Quality Management District (771-6000) should also be contacted concerning their permit requirements.
6. Our policy is to be present at all tank removals; contact the project Hazardous Materials Specialist at least three working days in advance to schedule the tank removal. If special arrangements are needed they must be worked out in advance with the project Hazardous Materials Specialist. All other permitting agencies' notification requirements must be met.
7. Have copies of all permits on site during the tank removal work.
8. Submit a Tank Closure Report to our office within 60 days of tank removal. The Closure Plan instructions outline the information and documents to be included in the Closure Report.

If sample analytical data or other evidence indicates the presence of any soil or groundwater contamination, you must file an Underground Storage Tank Unauthorized Release Report to this office within 5 working days of contamination discovery. Report forms are available in limited quantities from either this office or the San Francisco Bay Regional Water Quality Control Board in Oakland (510/286-1255). For large quantities of this form, contact the State Water Resources Control Board directly (916/739-2421).

If contamination is discovered, our office should be contacted for detailed directions. The following is an overview of our general clean up requirements. All site clean up work must be performed according to the Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites. Any clean up work done without our concurrence is unacceptable.

1. Determine the horizontal and vertical extent of soil contamination both on and off site.
2. Define the horizontal and vertical extent of any groundwater contamination, both on and off-site. This will include monitoring well construction and regular groundwater sampling.
3. Interpret hydrogeologic data, including characterization of the appropriate aquifer(s).
4. If groundwater is contaminated, determine the type of beneficial uses of the groundwater. The San Francisco Bay Regional Water Quality Control Board Water Quality Control Plan (Basin Plan)

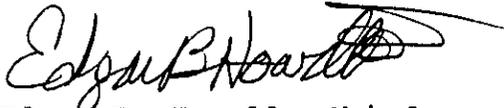
has defined all Bay Area water as having beneficial uses. However the types of beneficial uses vary and must be determined in order to establish appropriate cleanup levels (State Water Resources Control Board Sources of Drinking Water Policy, #88-63).

5. Develop a site-specific remediation plan. This plan shall include an evaluation of cleanup alternatives, a proposal for soil cleanup, a proposal for clean up of any groundwater contamination and free product, an appropriate sampling plan to determine the effectiveness of the cleanup program, and a time table for remediation plan implementation.

After the remediation program is completed and the final report is submitted, this office will review the case. If appropriate, this office will submit the case to the San Francisco Bay Regional Water Quality Control Board for final site mitigation approval and case closure. Failure to provide proper documentation of all site cleanup work could result in the requirement to conduct properly documented additional work.

If you have any questions or require further clarification regarding the underground storage closure process within Alameda County, please contact this office at 510/271-4320.

Sincerely,



Edgar B. Howell, Chief
Hazardous Materials Division

EBH:KC

INSTRUCTIONS

General Instructions

- * Three (3) copies of this plan plus attachments and deposit must be submitted to this Department.
- * Any cutting into tanks requires local fire department approval.
- * One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.

Item Specific Instructions

2. SITE ADDRESS
Address at which closure is taking place.
5. EPA I.D. NO. under which the tanks will be manifested
EPA I.D. numbers may be obtained from the State Department of Health Services, 916/324-1781.
6. CONTRACTOR
Prime contractor for the project.
10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES
 - a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
 - c) Tanks must be hauled as hazardous waste.
 - d) This is the place where tanks will be taken for cleaning.
15. TANK HISTORY AND SAMPLING INFORMATION
Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.

Material to be sampled - e.g. water, oil, sludge, soil, etc.

Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the high water mark, etc.

16. CHEMICAL METHODS AND ASSOCIATED DETECTION LIMITS
See attached Table 2.

17. SITE HEALTH AND SAFETY PLAN

A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:

- a) The name and responsibilities of the site health and safety officer;
- b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;
- c) Identification of health and safety hazards of each work task. Include potential fire, explosion, physical, and chemical hazards;
- d) For each hazard, identify the action levels (contaminant concentrations in air) or physical conditions which will trigger changes in work habits to ensure workers are not exposed to unsafe chemical levels or physical conditions;
- e) Description of the work habit changes triggered by the above action levels or physical conditions;
- f) Frequency and types of air and personnel monitoring - along with the environmental sampling techniques and instrumentation - to be used to detect the above action levels. Include instrumentation maintenance and calibration methods and frequencies;
- g) Confined space entry procedures (if applicable);
- h) Decontamination procedures;
- i) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, plastic sheeting, security guards, etc.);
- j) Spill containment/emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;
- k) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and
- l) Page for employees to sign indicating they have read and will comply with the site health and safety plan.

The safety plan must be distributed to all employees and contractors working in hazardous waste operations on site. A complete copy of the site health and safety plan along with any standard operating procedures shall be on site and accessible at all times.

NOTE: These requirements are excerpts from 29 CFR Part 1910.120(b)(4), Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the complete requirements of this Rule.

19. PLOT PLAN

The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:

- a) Scale;
- b) North Arrow;
- c) Property Lines;
- d) Location of all Structures;
- e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;
- f) Streets;
- g) Underground conduits, sewers, water lines, utilities;
- h) Existing wells (drinking, monitoring, etc.);
- i) Depth to ground water; and
- j) All existing tanks and piping in addition to the ones being pulled.

20. DEPOSIT

A deposit, payable to Alameda County for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans.

21. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from our office and from the San Francisco Bay Regional Water Quality Control Board (415/464-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

22. TANK CLOSURE REPORT

The tank closure report should contain the following information:

- a) General description of the closure activities;
- b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;

- c) Description of the excavation itself. Include the tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;
- d) Description of sampling methods;
- e) Description of any remedial measures conducted at the time of tank removal;
- f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;
- g) Chain of custody records;
- h) Copies of signed laboratory reports;
- i) Copies of "TSDF to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and
- j) Tabulation of the volume and final destination of all non-manifested contaminated soil hauled offsite.

TABLE #2
RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR
UNDERGROUND TANK LEAKS

<u>HYDROCARBON LEAK</u>	<u>SOIL ANALYSIS</u>		<u>WATER ANALYSIS</u>		
Unknown Fuel	TPH G	GCFID(5030)	TPH G	GCFID(5030)	
	TPH D	GCFID(3550)	TPH D	GCFID(3510)	
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260	
	TPH AND BTX&E	8260			
Leaded Gas	TPH G	GCFID(5030)	TPH G	GCFID(5030)	
	BTX&E	8020 OR 8240	BTX&E	602 or 624	
	TPH AND BTX&E	8260	TOTAL LEAD AA		
	TOTAL LEAD AA				
	-----Optional-----				
	TEL	DHS-LUFT	TEL	DHS-LUFT	
EDB	DHS-AB1803	EDB	DHS-AB1803		
Unleaded Gas	TPH G	GCFID(5030)	TPH G	GCFID(5030)	
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260	
	TPH AND BTX&E	8260			
Diesel, Jet Fuel and Kerosene	TPH D	GCFID(3550)	TPH D	GCFID(3510)	
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260	
	TPH AND BTX&E	8260			
Fuel/Heating Oil	TPH D	GCFID(3550)	TPH D	GCFID(3510)	
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260	
	TPH AND BTX&E	8260			
Chlorinated Solvents	CL HC	8010 or 8240	CL HC	601 or 624	
	BTX&E	8020 or 8240	BTX&E	602 or 624	
	CL HC AND BTX&E	8260	CL HC AND BTX&E	8260	
Non-chlorinated Solvents	TPH D	GCFID(3550)	TPH D	GCFID(3510)	
	BTX&E	8020 or 8240	BTX&E	602 or 624	
	TPH AND BTX&E	8260	TPH and BTX&E	8260	
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G	GCFID(5030)	TPH G	GCFID(5030)	
	TPH D	GCFID(3550)	TPH D	GCFID(3510)	
	TPH AND BTX&E	8260			
	O & G	5520 D & F	O & G	5520 C & F	
	BTX&E	8020 or 8240	BTX&E	602, 624 or 8260	
	CL HC	8010 or 8240	CL HC	601 or 624	
ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni					
METHOD 8270 FOR SOIL OR WATER TO DETECT:					
	PCB*		PCB		
	PCP*		PCP		
	PNA		PNA		
	CREOSOTE		CREOSOTE		

* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, 10 August 1990

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.
2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.
3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.
4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.
5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.
6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).
7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).
8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. **Standard Methods** 17th Edition, 1989, has changed the 503 series to 5520.
9. PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:

	<u>SOIL PPM</u>	<u>WATER PPB</u>
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

ROUTINE	MODIFIED PROTOCOL
≤ 10 ppm (42%)	≤ 10 ppm (10%)
≤ 5 ppm (19%)	≤ 5 ppm (21%)
≤ 1 ppm (35%)	≤ 1 ppm (60%)

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory data sheets.

- LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.
- IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chromatogram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

- REPORTING LIMITS FOR TPH are: gasoline standard ≤ 20 carbon atoms, diesel and jet fuel (kerosene) standard ≤ 50 carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal from the water column will be difficult. Other compounds are being added by the oil companies for various purposes. The refinements for detection and analysis for all of these additives are still being worked out. If you have any questions about the methodology, please call your Regional Board representative.

CERTIFICATE OF ATTENDANCE

Awarded

To KURT SALE

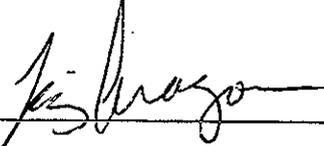
on the Thirteenth day of May 19 88

for successful completion of 40 hours

of the HAZARDOUS WASTE SITE OPERATION TRAINING PROGRAM

Provided by  **SAFETY SPECIALISTS, INC.**

The Full Service Environmental, Health and Safety Corporation
Santa Clara, CA 408/988-1111



Manager, Training Services

Certification

May it be known by all who read this that

has met and surpassed all of the requirements of

8 HOUR REFRESHER TRAINING OSHA STANDARD, 29CFR 1910.120
HAZARDOUS WASTE OPERATIONS

Presented this 22 day of JANUARY, 1994.

ENVIRONMENTAL COMPLIANCE SERVICES

ORGANIZATION

SIGNED 

CONTROL # 012294 -8 E

Certification

May it be known by all who read this that

LARRY J. ROGERS

has met and surpassed all of the requirements of

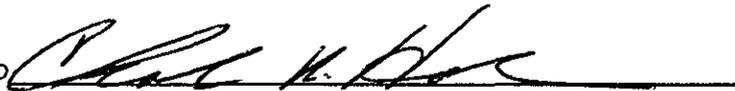
40 HOUR OSHA STANDARD, 29CFR 1910.120
HAZARDOUS WASTE OPERATIONS

Presented this 23 day of JANUARY, 1994.

ENVIRONMENTAL COMPLIANCE SERVICES

ORGANIZATION

SIGNED



CONTROL # 012394-40 F

Certification

May it be known by all who read this that

JOHN ADAMS

has met and surpassed all of the requirements of

8 HOUR REFRESHER TRAINING OSHA STANDARD, 29CFR 1910.120
HAZARDOUS WASTE OPERATIONS

Presented this 22 day of JANUARY, 1994.

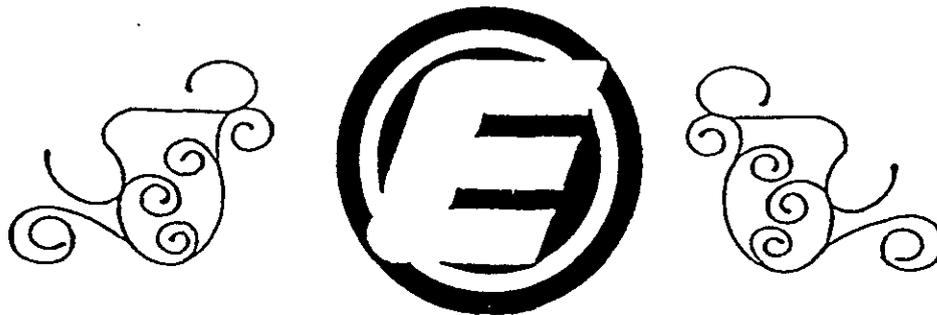
ENVIRONMENTAL COMPLIANCE SERVICES

ORGANIZATION

SIGNED



CONTROL # 012294-8 B



May it be known that this Certificate has been presented to

JOHN ADAMS

for Successful Completion of

ERICKSON TRAINING SERVICES 40 HOUR SARA HAZARDOUS WASTE SITE WORKERS BASIC TRAINING

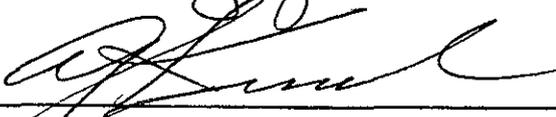
PRESENTED THIS

23rd

DAY OF

MARCH

, 1990

CERTIFICATION

May it be known by all who read this that

Larry Rogers

*Has met and surpassed allof the requirements set forth in
Hazardous Waste operations Technician Level Three
Responders course*

Presented this 23rd day of may, 1994



Signature

Environmental Compliance Services

Organization

052394-TEC3-A

Control =

CERTIFICATION

May it be known by all who read this that

Kurt Sale

*Has met and surpassed allof the requirements set forth in
Hazardous Waste operations Technician Level Three
Responders course*

Presented this 23rd day of may, 1994

[Handwritten Signature]

Signature

Environmental Compliance Services

Organization

052394-TEC3-B

Control #