Chu, Eva, Public Health, EHS

From: Peter Krasnoff[SMTP:pkrasnoff@w-e-s-t.com]
Sent: August 10, 2000 12:48 PM
To: echu@co.alamdea.ca.us
Cc: abarry@desilvagroup.com
Subject: Monarch Airport

eva

Pursuant to our meeting of July 18, 2000, please find the following summary of what I understood from our discussions. I will be forwarding similar summaries on the Children's Hospital and Pacific Galvanizing projects.

Monarch

Based on a review of groundwater data, the Alameda County Department of Environmental Health (ACDEH) is receptive to a proposal for closure of the USTs. The issues to be addressed in the request for closure include the performance of a well survey, an evaluation of potential impacts to the water supply wells, if any, and, if appropriate, closure of water supply well(s) to address potential impacts.

A review of groundwater quality data revealed an increase in benzene in monitoring well MW-2. The ACDEH requested that the closure request report include an evaluation of the historical groundwater elevations versus concentrations to identify if the change in concentration is an artifact of changes in groundwater elevation. Upon completion of these steps, the request should be submitted for closure of the USTs.

Please call me if you have any questions or want to revise this summary.

Thanks,

--
Peter Krasnoff
WEST, Inc.
828 Mission Avenue, 2nd Floor
San Rafael, CA 94901
Direct 415-485-1660
Main 415-460-6770
Fax 415-460-6771
Cellular 415-971-1600
Pager 415-907-8336
Email pkrasnoff@w-e-s-t.com

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ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

October 27, 1998

Mr. Ernest Lampkin
11555 Dublin Blvd.
Dublin, CA 94568

RE: Monarch Airport, 8638 Patterson Pass Road, Livermore, CA 94550

Dear Mr. Timmerman:

In a letter dated September 15, 1998 I requested that an original Form B be used to identify the third underground tank that was discovered at the above site during the underground tank removal. As of this date, I have not received this document. Please forward this document to me within 10 days of the receipt of this letter.

If you have any questions, please contact me at (510) 567-6774.

Sincerely,

Larry Seto
Sr. Hazardous Materials Specialist

Cc: Pete Timmerman, Pacific States Environmental, P.O. Box 11357
Pleasanton, CA 94588
Files

additional UST removed at 8638 Patterson Pass, Livermore in Aug 1998 StID 6526 project 57388
U UST removal

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
- [x] 7 PERMANENTLY CLOSED ON SITE
- [ ] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: MONARCH PROPERTY

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

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

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A.
- [ ] 1 MOTOR VEHICLE FUEL
- [x] 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
- [ ] 3 DIESEL
- [ ] 4 GASAHOL
- [ ] 5 JET FUEL
- [ ] 99 OTHER (DESCRIBE IN ITEM D. BELOW)
- [x] 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
- [ ] 99 OTHER ____
- [x] 95 UNKNOWN

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

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

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

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

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

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
- [ ] 7 CONTINUOUS INTERSTITIAL MONITORING
- [ ] 2 MANUAL INVENTORY RECONCILIATION
- [ ] 8 SIR
- [ ] 3 VADOZE MONITORING
- [ ] 9 WEEKLY MANUAL TANK GAUGING
- [ ] 4 AUTOMATIC TANK GAUGING
- [ ] 10 MONTHLY TANK TESTING
- [ ] 5 GROUND WATER MONITORING
- [x] 95 UNKNOWN
- [ ] 6 ANNUAL TANK TESTING
- [ ] 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 [ ]

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): Ernest D. Lamphin Trustee
DATE: 10/13/98

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

FORM B (6-95)

Not Previously registered w/ State or ALCO; No State ID#

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

September 15,1998

Mr. Ernest Lampkin
11555 Dublin Blvd.
Dublin, CA 94568

RE: Monarch Airport, 8638 Patterson Pass Road, Livermore, CA 94550

Dear Mr. Timmerman:

This office has received a copy of Form B for the third underground tank (550 gallon) discovered on-site. **Please send the original Form B to this office for processing.**

If you have any questions, please contact me at (510) 567-6774.

Sincerely,

Larry Seto
Sr. Hazardous Materials Specialist

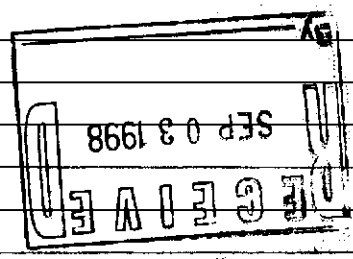
Cc: Pete Timmerman, Pacific States Environmental, P.O. Box 11357, Pleasanton, CA 94588
Files

Pacific States
ENVIRONMENTAL CONTRACTORS, INC.
P.O. Box 11357
Pleasanton, California 94588
510/803-4333
FAX 510/803-4334

LETTER OF TRANSMITTAL

DATE 9-2-98 | JOB NO. 8010

RE: MONARCH AIRPORT - LIVERMORE



TO: Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Rm 250
Alameda, CA 94502-6577
Attn.: Lawrence Seto

WE ARE SENDING YOU: ☒ Attached ☐ under separate cover via _____ the following items;

☐ Prints ☐ Mix design ☐ Plans ☐ Specifications ☐ Samples
☐ Change Order ☐ Copy of Letter ☐ _____

COPIES	DATE	NO.	DESCRIPTION
1	9-2-98		Underground Storage Tank Permit Application - Form B

THESE ARE TRANSMITTED AS CHECKED BELOW:

☒ For approval ☐ Approved as submitted ☐ Sample test results due by _____
☐ For your use ☐ Approved as noted
☐ As requested ☐ Returned for corrections
☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____ 19____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS Please accept as an addendum to Underground Tank Closure Plan submitted on 8/19/98. A third tank (550 gallons) was discovered during excavation activities for Tanks included in 8-19-98 application. This Form B will suffice requirements in application.

COPY TO 8010 File

SIGNED: Jason Gray JASON GRAY

If enclosures are not as noted, kindly notify us at once.

WHITE - RECIPIENT CANARY - MAIN OFFICE PINK - JOBSITE

RECEIVED SEP 03 1998 BY

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: MONARCH PROPERTY

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

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

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
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) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____
DROP TUBE YES ___ NO ___ STRIKER PLATE YES ___ NO ___ DISPENSER CONTAINMENT YES ___ NO ___

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 ☐ 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 ☐

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
Ernest D Lamkin ERNEST D. LAMKIN, TRUSTEE	9/2/98

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

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

Oswalt 8/12/98
Note changes / additions in Red

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 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:

UNDERGROUND TANK CLOSURE PLAN

* * * Complete plan according to attached instructions * * *

1. Name of Business Monarch Property
   Business Owner or Contact Person (PRINT) Ernest D. Lampkin, Trustee
2. Site Address 8638 Patterson Pass Rd.
   City Livermore Zip 94568 Phone N/A
3. Mailing Address 11555 Dublin Blvd.
   City Dublin Zip 94568 Phone 925-828-7999
4. Property Owner Kathryn DeSilva 1995 Trust and David DeSilva 1995 Trust
   Business Name (if applicable) ERNEST LAMPKIN TRUSTEE
   Address
   City, State Zip
5. Generator name under which tank will be manifested
   Kathryn De Silva 1995 Trust and David DeSilva 1995 Trust
   EPA ID# under which tank will be manifested CAC001408752

rev. 11/01/96
ust closure plan

6524

6. Contractor Pacific States Env. Contractors, Inc.

Address P.O. Box 11357

City Pleasanton Phone 925 803-4333

License Type A, HAZ ID# 723241

7. Consultant (if applicable) _____

Address _____

City, State _____ Phone _____

8. Main Contact Person for Investigation (if applicable)

Name _____ Title _____

Company _____

Phone _____

9. Number of underground tanks being closed with this plan 2

Length of piping being removed under this plan 20'

Total number of underground tanks at this facility (**confirmed with owner or operator) 2

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 ECI EPA I.D. No. CAD982030173

Hauler License No. 1533 License Exp. Date 7-1-99

Address 255 Parr Blvd.

City Richmond State CA Zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site

Name Erickson Inc. EPA ID# CADO09466392

Address 255 Parr Blvd.

City Richmond State CA Zip 94801

c) Tank and Piping Transporter

Name ECI EPA I.D. No. CAD 982030173

Hauler License No. 1533 License Exp. Date 7-1-99

Address 255 Parr Blvd.

City Richmond State CA Zip 94801

d) Tank and Piping Disposal Site

Name Erickson EPA I.D. No. CAD009466392

Address 255 Parr Blvd.

City Richmond State CA Zip 94801

11. Sample Collector

Name Pete Timmerman

Company Pacific States Env. Contractors, Inc.

Address P.O. Box 11357

City Pleasanton State CA Zip 94588 Phone 925 803-4333

12. Laboratory

Name Chromalab

Address 1220 Quary Lane

City Pleasanton State CA Zip 94566

State Certification No. 1094

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

If yes, describe. _____

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

Rinsing and inerting with 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)		
1000	Avgas 1980	Soil	2' below each end of UST & piping
550	Avgas 1980	Soil	2' below UST & piping

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) 100 cy	Sampling Plan 4 pt. Composite OR 1 sample per 20cy for reuse

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 [ ] no [X] 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 <u>prior</u> 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.

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
TPH gas auto/clean gas	5030	5030	1.0 mg/kg
BTXE MTBE	8020 or 8240	8020 or 8240	0.005 mg/kg
TPH & BTXE	8260	8260	1.0 mg/kg 5.0 mg/kg
Total Lead	AA	AA	

18. Submit Worker's Compensation Certificate copy

Name of Insurer J & H Marsh & McLennan, Inc.

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 Pacific States Env. Contractors, Inc.

Name of Individual Pete Timmerman

Signature [signature] Date 8/5/98

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business Monarch Property

Name of Individual Ernest O. Lamphin, Trustee

Signature Ernest Lamphin Date 8/5/98

INSTRUCTIONS

General Instructions

* Three (3) copies of this plan plus attachments and a 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.

* State of California Permit Application Forms A and B are to be submitted to this office. One Form A per site, one Form B for each removed tank.

Line 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 Toxic Substances Control, 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) A page for employees to sign acknowledging that 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 tank(s) and piping in addition to the tank(s) being removed.

20. DEPOSIT

A deposit, payable to "Treasurer of 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 this office or from the San Francisco Bay Regional Water Quality Control Board (510/286-1255). 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) Detailed description of sampling methods; i.e. backhoe bucket, drive sampler, bailer, bottle(s), sleeves

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) Documentation of the disposal of/and volume and final destination of all non-manifested contaminated soil disposed offsite.

TABLE #2
RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

HYDROCARBON LEAK	SOIL ANALYSIS	WATER ANALYSIS
Unknown Fuel	TPH G GCFID(5030) TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) TPH D GCFID(3510) BTX&E 602, 624 or 8260
Leaded Gas	TPH G GCFID(5030) BTX&E 8020 OR 8240 TPH AND BTX&E 8260 TOTAL LEAD AA ------Optional------- TEL DHS-LUFT EDB DHS-AB1803	TPH G GCFID(5030) BTX&E 602 or 624 TOTAL LEAD AA TEL DHS-LUFT EDB DHS-AB1803
Unleaded Gas	TPH G GCFID(5030) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) BTX&E 602, 624 or 8260
Diesel, Jet Fuel and Kerosene	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Fuel/Heating Oil	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Chlorinated Solvents	CL HC 8010 or 8240 BTX&E 8020 or 8240 CL HC AND BTX&E 8260	CL HC 601 or 624 BTX&E 602 or 624 CL HC AND BTX&E 8260
Non-chlorinated Solvents	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602 or 624 TPH and BTX&E 8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G GCFID(5030) TPH D GCFID(3550) TPH AND BTX&E 8260 O & G 5520 D & F BTX&E 8020 or 8240 CL HC 8010 or 8240	TPH G GCFID(5030) TPH D GCFID(3510 O & G 5520 B & F BTX&E 602, 624 or 8260 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* PCP* PNA CREOSOTE	 PCB PCP PNA 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 hydro- carbons, 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:**

	SOIL PPM	WATER PPB
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.

10. 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.

11. 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 chroma- togram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

12. 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.

ALAMEDA COUNTY ENVIRONMENTAL PROTECTION DIVISION

DECLARATION OF SITE ACCOUNT REFUND RECIPIENT

There may be excess funds remaining in the Site Account at the completion of this project. The PAYOR (person or company that issues the check) will use this form to predesignate another party to receive any funds refunded at the completion of this project. In the absence of this form, the PAYOR will receive the refund.

SITE INFORMATION:

Site ID Number
(if known)

Name of Site

Street Address

City, State & Zip Code

I designate the following person or business to receive any refund due at the completion of all deposit/refund projects:

Name

Street Address

City, State & Zip Code

Signature of Payor

Date

Name of Payor
(PLEASE PRINT CLEARLY)

Company Name of Payor

RETURN FORM TO:

County of Alameda, Environmental Protection
1131 Harbor Bay Parkway, Rm 250
Alameda CA 94502-6577
Phone#(510) 567-6700

J&H MARSH & MCLENNAN, INC.

CERTIFICATE OF INSURANCE

CERTIFICATE NUMBER: # 57383

PRODUCER

J&H Marsh & McLennan, Inc.
Three Embarcadero Center
PO Box 193880
San Francisco, CA 94119-3880

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER OTHER THAN THOSE PROVIDED IN THE POLICY. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES LISTED HEREIN.

COMPANIES AFFORDING COVERAGE

COMPANY LETTER	A RELIANCE NATIONAL INDEMNITY CO
COMPANY LETTER	B UNITED PACIFIC INS CO
COMPANY LETTER	C
COMPANY LETTER	D

INSURED

Pacific States
Environmental Contractors, Inc
11555 Dublin Boulevard
P.O. Box 2223
Dublin, CA 94568

COVERAGES

THIS IS TO CERTIFY THAT POLICIES OF INSURANCE LISTED HEREIN HAVE BEEN ISSUED TO THE INSURED NAMED HEREIN FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THE CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES LISTED HEREIN IS SUBJECT TO ALL THE TERMS, CONDITIONS AND EXCLUSIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY	NGB172073402	4/01/98	4/01/99	GENERAL AGGREGATE	$ 2000000
	[X] COMMERCIAL GENERAL LIABILITY				PRODUCTS-COMP/OP AGG	$ 2000000
	[ ] CLAIMS MADE [X] OCCUR.				PERSONAL & ADV INJURY	$ 1000000
	OWNER'S CONTRACTOR'S PROT.				EACH OCCURRENCE	$ 1000000
					FIRE DAMAGE (Any one fire)	$ 50000
					MED. EXPENSE (Any one person)	$ 5000
A	AUTOMOBILE LIABILTY	NKA163025302	4/01/98	4/01/99	COMBINED SINGLE LIMIT	$ 1000000
	[X] ANY AUTO				BODILY INJURY (Per person)	$
	ALL OWNED AUTOS				BODILY INJURY (Per accident)	$
	SCHEDULED AUTOS				PROPERTY DAMAGE	$
	[X] HIRED AUTOS					
	[X] NON-OWNED AUTOS					
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	$
	ANY AUTO				OTHER THAN AUTO ONLY	
					EACH ACCIDENT	$
					AGGREGATE	$
	EXCESS LIABILITY				EACH OCCURRENCE	$
	UMBRELLA FORM				AGGREGATE	$
	OTHER THAN UMBRELLA FORM					
B	WORKERS' COMPENSATION AND EMPLOYERS LIABILITY	NWA 0145494-00	4/01/98	4/01/99	STATUTORY LIMITS X	
					EACH ACCIDENT	$ 1000000
					DISEASE - POLICY LIMIT	$ 1000000
					DISEASE - EACH EMPLOYEE	$ 1000000
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

Evidence of Insurance for Proposal Purposes

CERTIFICATE HOLDER

Sample Certificate
of Insurance
.

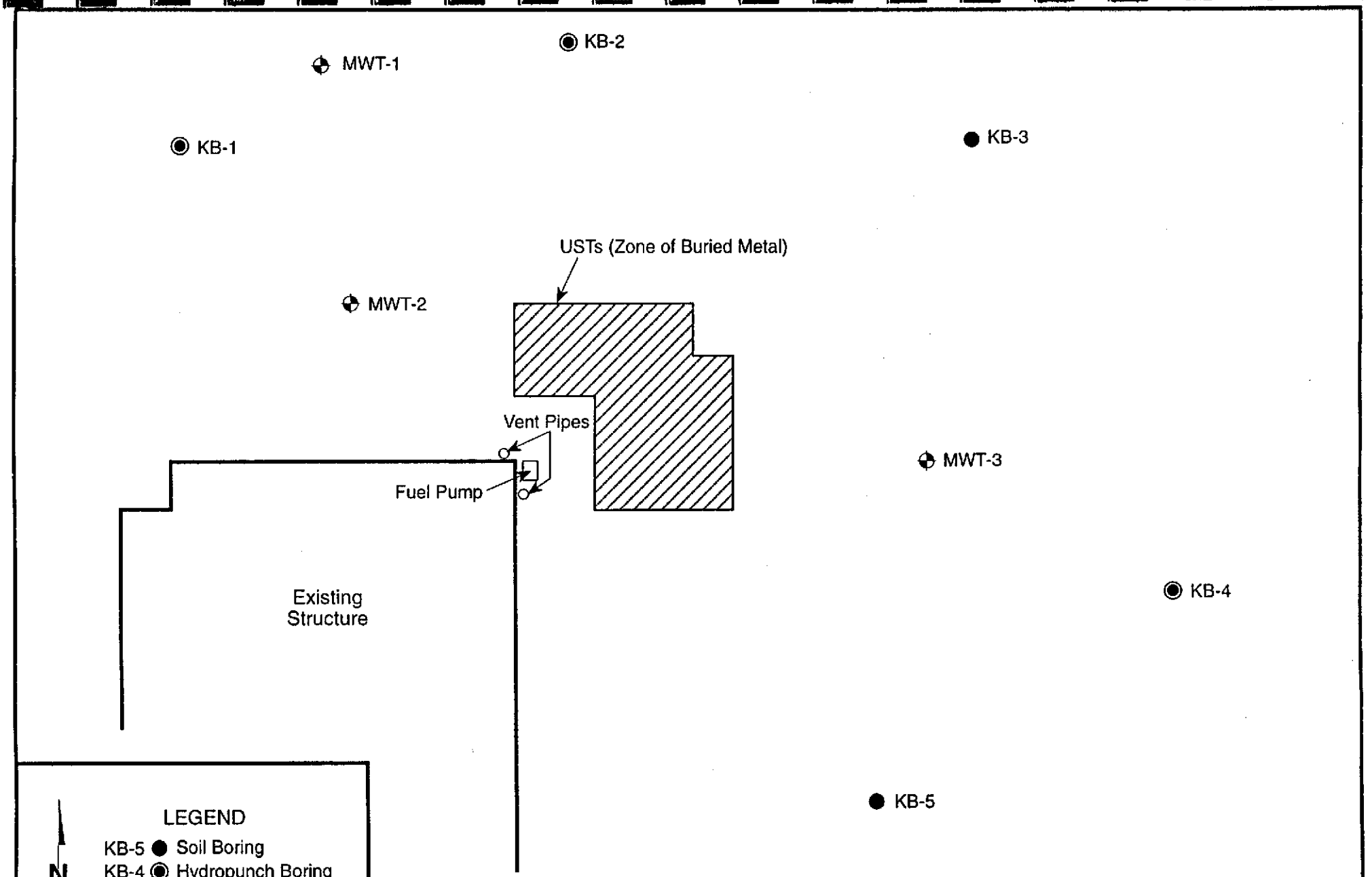
CANCELLATION

SHOULD ANY OF THE POLICIES LISTED HEREIN BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE INSURER AFFORDING COVERAGE WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED HEREIN, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER AFFORDING COVERAGE, ITS AGENTS OR REPRESENTATIVES, OR THE ISSUER OF THIS CERTIFICATE.

J&H MARSH & MCLENNAN, INCORPORATED

BY:

MMT 1 (6/95) VALID AS OF: 4/28/98



KLEINFELDER

Drawn By: M. Bussanich
Project No. 23-482965-ESA
Date: 4-14-97
Filename: 1105A

BORING LOCATION MAP

LIVERMORE PROPERTY
8638 PATTERSON PASS ROAD
LIVERMORE, CALIFORNIA

PLATE
2

KA KLEINFELDER

RECORD OF WATER LEVEL MEASUREMENTS

Date: 3-26-97 Weather: Sunny, Light Breeze ~70°F Sheet 1 of 1

Project: Livermore Property Submitted By: Stephen Quayle Date: 3-26-97

Project No.: 23-4829-651 ESA Reviewed By: _____ Date: _____

Instrument Number: 11928

Well Number	Time (opened/measured)	Sensitivity Setting	Measuring Point	Measurement	Replicate Measurements (if requested)		Notes			(locked? Y)
	(24-hr)	(est. %)	(M.P.)	1	2	3				
MWT-1	1015	100	TOC	31.71						Y
							5.0 ppm on PID			
MWT-2	1016			31.22						Y
							23 ppm on PID			
MWT-3	1017			29.78						Y
							8 ppm on PID			
MW-1 (water)	1040	↓	↓	42.82						Y

M.P.: TOC, GS, Cover ring, Other:

All Wells Locked – (YES) / NO

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: Monarch Property	NAME OF OPERATOR		
ADDRESS: 8638 Patterson Pass Rd.	NEAREST CROSS STREET: Greenville		PARCEL # (OPTIONAL)
CITY NAME: Livermore	STATE: CA	ZIP CODE: 94550	SITE PHONE # WITH AREA CODE: N/A

✔ 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 _____

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

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST): Ernest Lamphkin	PHONE # WITH AREA CODE: 925-828-7999	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST): Same	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME: KATHRYN DE SILVA 1995 TRUST AND DAVID DESILVA 1995 TRUST	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS: 11555 Dublin Blvd.	✔ box to indicate ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME: Dublin	STATE: CA	ZIP CODE: 94568	PHONE # WITH AREA CODE: 925-828-7999

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER: Same	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS	✔ box to indicate ☐ INDIVIDUAL ☐ LOCAL-AGENCY ☐ STATE-AGENCY ☐ CORPORATION ☐ PARTNERSHIP ☐ COUNTY-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE

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

TY (TK) HQ 44- ☐☐☐☐☐☐

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

✔ 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
ERNEST D. LAMPHKIN, Ernest D. Lamphkin	TRUSTEE	7/20/98

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: Monarch Property

I. TANK DESCRIPTION
COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

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

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

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

B. ☒ 1 PRODUCT ☐ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 3 DIESEL ☒ 6 AVIATION GAS ☐ 1b PREMIUM UNLEADED ☐ 4 GASAHOL ☐ 7 METHANOL ☐ 1c MIDGRADE UNLEADED ☐ 5 JET FUEL ☐ 8 M85 ☐ 2 LEADED ☐ 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
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) ___ DROP TUBE YES ___ NO ___ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) ___ STRIKER PLATE YES ___ NO ___ DISPENSER CONTAINMENT YES ___ NO ___

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 ☐ 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 ☐

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): ERNEST D. LAMPKIN Ernest D. Lampkin, Trustee — DATE: 7/20/98

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 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: Monarch Property

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # Unknown	B. MANUFACTURED BY: Unknown
C. DATE INSTALLED (MO/DAY/YEAR) Unknown	D. TANK CAPACITY IN GALLONS: 1000 gallons

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
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) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____
DROP TUBE YES ___ NO ___ STRIKER PLATE YES ___ NO ___ DISPENSER CONTAINMENT YES ___ NO ___

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 ☐ 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 ☐

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
ERNEST D. LAMPKIN Ernest D Lampkin Trustee	7/20/95

LOCAL AGENCY USE ONLY

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

STATE I.D.# COUNTY # JURISDICTION # FACILITY # TANK #

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PACIFIC STATES ENVIRONMENTAL CONTRACTORS, INC.

HEALTH AND SAFETY PLAN

UNDERGROUND STORAGE TANK REMOVAL
FORMER HUMMINGBIRD HAVEN GLIDER AIRPORT
LIVERMORE, CA

Prepared for

Kathryn DeSilva 1995 Trust and David DeSilva 1995 Trust
Ernest D. Lampkin, Trustee
11555 Dublin Blvd.
Dublin, CA 94568

Project No. 8010

08/05/98

Pacific States Environmental Contractors, Inc.
Post Office Box 11357
Pleasanton, California 94588
(925) 803-4333

HEALTH AND SAFETY PLAN ACCEPTANCE

I have read and become familiar with all aspects of this Health and Safety Plan (HASP) for the work related to the removal of the underground storage tanks at the Former Hummingbird Haven Glider Airport in Livermore, California. I agree to abide by the contents of this HASP. I also understand that the HASP may be supplemented with other site-specific health and safety documents for which I will be held equally responsible.

Name (Printed)	Signature	Company	Date

1.0 INTRODUCTION

This Health and Safety Plan (HASP) is for the use of Pacific States Environmental Contractors, Inc. (PSEC) employees , subcontractors, and responsible parties for activities involved with the Underground Storage Tank (UST) Removal at the Former Hummingbird Haven Glider Airport in Livermore, California.

This document is an extension of the PSEC's Injury and Illness Prevention Plan (IIPP) and Code of Safe Practices, which are attached. The IIPP describes the policies and procedures for general site safety, employee's training program, accident investigation and reporting, and recordkeeping requirements, as specified under various sections of Title 8, California Code of Regulations (CCR), Chapter 4, Subchapter 4 Construction Safety Orders, and Chapter 7, General Industry Safety Orders.

The purpose of this HASP is to describe the policies and procedures to be employed by PSEC and all its subcontractors to ensure that employees and the surrounding community are protected against exposure to toxic chemicals and other health and safety hazards that could occur during the UST removal.

This HASP provides contingencies to minimize personnel exposure to toxic chemicals identified as well as other hazards at the UST removal site. The workers protection program described in the HASP must be observed by everyone working at the site. Medical surveillance, personal protection, and hazardous waste training requirements in accordance with 8 CCR 5192 shall be met by all personnel working at the project site.

2.0 SITE DESCRIPTION

2.1 Site Location

The site is located at 8638 Patterson Pass Road, at the intersection of Patterson Pass Road and Greenville Road in the city of Livermore, California. The site is bordered to the south by Patterson Pass Road, to the west by North Greenville Road, and to the northwest by vacant pasture land. The eastern and northern borders are Section boundaries. Lawrence Livermore National Laboratory (LLNL) is located across Greenville Road to the southwest.

2.2 Site History

The site has historically been used as a glider airport. Two USTs are located on site. A possible third UST may be present. The size of the USTs is unknown but are thought to be approximately 1,000 gallons each. Labeling of the tank fills indicate the USTs contained aviation gasoline at some point. A recent inspection indicated the tanks were free of residual liquids or solids.

The site slopes slightly to the west. The site, which is generally undeveloped, is predominantly used as grazing land and contains a farm house with attendant facilities located at the northeast corner.

3.0 KEY PERSONNEL AND RESPONSIBILITIES

All personnel working at the project site are responsible for project safety. The operational and health and safety responsibilities of pertinent PSEC personnel are as follows:

3.1 Site Safety Officer

Peter Timmerman, PSEC, will be the Site Safety Officer (SSO). Mr. Timmerman has the responsibility and authority to develop and implement the health and safety plan and verify compliance, including implementation of air monitoring.

The SSO is responsible for the following:

- Enforcing the guidelines, rules and procedures in this document for all site work
- Being familiar with local emergency services
- Conducting safety and health meetings before work start-up and as needed thereafter for specific tasks
- Maintaining and inspecting personal protective equipment (PPE), monitoring onsite hazards, and monitoring the physical condition of the site personnel
- Verifying the managers and supervisors are trained in workplace safety and are familiar with the safety and health hazards to which employees under their immediate direction or control may be exposed
- Maintaining compliance with applicable federal, state and local regulations, and requirements of this HASP
- Verifying that employees are trained in accordance with this program
- Inspecting the workplace daily to better anticipate, recognize, evaluate and control workplace hazards on a continuing basis
- Developing methods for abating workplace hazards and checking that workplace hazards are abated in a timely and effective manner

3.2 Employee Safety Responsibility

Although the employer is responsible for providing a safe and healthful workplace, each employee is responsible for his/her own safety, as well as the safety of those around him/her. The employee shall use all equipment in a safe and responsible manner, and as directed by supervisory personnel.

3.3 Logs, Reports and Recordkeeping

Recordkeeping is a crucial component of any effective health and safety program. Site safety records shall therefore be updated daily. The following logs, reports and records shall be maintained on site:

- Site safety meetings
- Employee training records - site specific and visitors
- Daily safety inspection logs
- HASP signature page
- Employee and visitor sign-in sheets
- Ambient and personal air monitoring results

- OSHA 200 log

3.4 Site Safety Meetings

3.4.1 Tailgate Safety Meetings

The SSO will conduct a tailgate safety meeting prior to initiation of field activities and (1) whenever risks or hazards change, (2) whenever new personnel arrive, and (3) when site operations warrant indoctrination and training. Where procedural deficiencies are identified, additional safety meetings will be conducted to address the situation. The following should be addressed during the meetings:

- Review of planned activities and work tasks
- Hazards suspected
- Contaminant/hazard monitoring and associated action levels
- PPE required
- Communication methods
- Site personnel and responsibilities
- Decontamination procedures
- Emergency procedures

4.0 TRAINING

All employees working onsite near contaminated soils who may be exposed to hazardous substances, health hazards or safety hazards, and their supervisors and management responsible for the site shall receive training meeting the requirements of this section before they are permitted to engage in hazardous waste operation that could expose them to hazardous substances, safety, or health hazards. They shall receive annual refresher training as specified in this section.

Employees shall not be permitted to participate in or supervise field activities until they have been trained to a level required by their job function and responsibility.

4.1 Hazardous Waste Site Training

Specific training requirements for personnel, including subcontractors conducting field activities are divided into the following training categories:

- Regular Site Personnel Exposed to Hazardous Substances (such as equipment operators, general laborers, and supervisory personnel)
- Occasional Site Personnel Potentially Exposed to Hazardous Substances Below Permissible Exposure Limits (such as groundwater monitors, land surveyors, and geophysical surveyors)
- On-site management and supervisors

4.1.1 Regular Site Personnel Exposed to Hazardous Substances

Site personnel whose job responsibilities cause them to be exposed to or to have the potential to be exposed to hazardous substances or health hazards are required to comply with 8 CCR 5192(e)(3)(A). This regulation requires site personnel exposed to hazardous substances to complete 40 hours of offsite instruction and three days of field experience supervised by a trained supervisor.

The field activities for this scope of work require all site workers to be 40-hour HAZWOPER trained.

4.1.2 Occasional Site Personnel Potentially Exposed to Hazardous Substances Below Permissible Exposure Limits

Occasional site personnel who visit the site for a specific task and whose exposure us designated by the SSO to be under the PELs are required to comply with 8 CCR 5192(e)(3)(B) or applicable state regulations. This regulation requires that these personnel receive a minimum of 24 hours of offsite instruction and one day of field experience supervised by a trained supervisor.

In accordance with 8 CCR 5192(e)(3)(B), regular (as defined in Section 4.1.1 above) and occasional site personnel having completed an initial 24-hour classroom instruction must complete an additional 16 hours of offsite instruction and two days of field experience supervised by a trained supervisor before they are qualified to engage in activities that may expose them to hazardous substances above PELs.

4.1.3 Management and Supervisory Training

In accordance with 8 CCR 5192(e)(4), individuals who manage or supervise personnel engaged in hazardous waste operations at the site must receive 40 hours of offsite instruction and three days of field experience supervised by a trained supervisor. In addition, management and supervisory personnel shall receive an additional 8 hours of specialized training that addresses the safety and health program, training requirements, personal protective and respiratory equipment program, health hazard monitoring procedures, accident investigation, and emergency response procedures.

5.0 DESCRIPTION OF WORK

Under the direction of the Alameda County Environmental Health Department, the Alameda County Fire Department and BAAQMD PSEC will excavate, rinse and remove the USTs.

5.1 Description of Work Tasks

The major components of proposed work will consist of the following tasks:

- Removal of tank contents, rinsing, collecting LEL/oxygen readings, inerting
- Excavation
- Tank removal
- Tank loading, manifesting and transportation
- Soil sampling
- Securing open excavations

6.0 TASK-SPECIFIC SAFETY AND HEALTH RISK ANALYSIS

6.1 Chemical Hazards

Bodily injury can result if people onsite are exposed to chemicals at concentrations above recommended exposure limits. Toxic chemicals can enter the body through injection, ingestion, eye and skin absorption, and inhalation.

6.1.1 Injection

Injection or skin punctures with sharp or pointed objects represent a hazardous route of exposure because some form of tissue damage (and the likelihood for infection) is combined with direct transport into the body. Injection through broken glass, needles, or work-related tools can be avoided by following approved safety procedures and wearing appropriate PPE.

6.1.2 Ingestion

Exposure by ingestion involves the oral intake of hazardous substances. Foods, liquids, and tobacco products can become contaminated. Workers may ingest materials unintentionally after contact with the hazardous material prior to thoroughly washing their hands. No food, gum, or tobacco products are allowed in any work area at any time. Workers may also unintentionally contaminate their families by bringing hazardous substances home with them on their bodies, clothes or vehicles. This route of exposure can be minimized if workers practice adequate personal hygiene by washing thoroughly prior to leaving the work site.

6.1.3 Eye and Skin Absorption

The skin is the largest organ in the body. It comprises about 2,880 square inches (19 square feet) of surface area and approximately 15% of total body weight. Skin is a tough flexible cover and is the first body barrier to come into contact with a wide variety of industrial hazards. Chemical hazards can cause physical injury to the skin (e.g., chemical burns and dermatitis). The skin may also act as a vehicle of transport for some chemicals through long-term and sometimes brief dermal contact. Similarly, the sensitive eye tissues and mucus membranes, with their inherent high moisture content, may act as a "chemical sponge" that absorbs hazardous substances causing tissue damage or provides a mode of transport into the body.

Adverse effects of eye and skin absorption of hazardous substances depend on the specific contaminant present and may include local tissue damage, dermatitis, or systemic effects such as liver, kidney, or central nervous system (CNS) effects. Some chemicals such as formaldehyde act as sensitizing agents that produce little effect upon first exposure, but exhibit extreme effects (such as heightened allergic reactions) upon subsequent exposures.

Adverse reactions to chemical contact with skin or eyes can be avoided if workers wear appropriately selected and used PPE, such as disposable coveralls, safety glasses/chemical goggles, gloves, and chemical-resistant boots.

6.1.4 Inhalation

Many foreign materials may be inhaled into the respiratory system, which, generally speaking, comprises numerous nasal and lung tissues.

The respiratory system presents a quick and direct avenue of entry for toxic materials into the body because of its intimate association with the circulatory system and the consistent need to oxygenate human tissue cells. Anything affecting the respiratory system also affects the entire human organism, whether the inhaled material is contaminated air such as toxic gas, dust, or an irritant, or whether insufficient oxygen is inhaled

Inhaled contaminants that adversely affect the body fall into three general categories:

1. Aerosols and dusts, which, when deposited in the lungs, may produce either acute or chronic tissue damage, tissue reaction, adverse health, disease, or physical destruction.
2. Toxic gases producing adverse reactions in the lung tissues
3. Toxic aerosols or gases that do not affect the lung tissue but pass from the lung into the bloodstream and adversely affect the oxygen-carrying capacity of the blood.

Individual susceptibility to inhalation hazards in the occupational setting varies according to factors that include rate of lung clearance, effects due to cigarette smoking, any existing pulmonary disease, and genetic factors.

Inhalation hazards can be successfully avoided by using the appropriate National Institute of Occupational Safety and Health (NIOSH)/Mine Safety and Health Administration (MSHA)-approved respirators when necessary and by eliminating downwind work stations whenever possible.

6.1.5 Chemical Hazards

Aviation gasoline is a clear blue-green liquid with a characteristic odor. It is a highly volatile chemical (vapor pressure = 5.5 - 7.0 psi @ 100°C) which could possibly be present in soils in predominantly the liquid form.

Aviation gasoline can enter the body through all three routes of exposure. Target organs are the respiratory system, heart, liver, kidneys, CNS and skin. Acute exposure effects include stinging, tearing and redness of the eyes, redness, drying and cracking of the skin, headache, drowsiness, dizziness, loss of coordination, and fatigue.

This material is a possible skin cancer hazard based on repeated long-term skin application of similar petroleum hydrocarbons in laboratory animals. It contains benzene which has identified as a California Proposition 65 carcinogen.

During the removal work, a potential for exposure to liquids and vapors from aviation gasoline potentially present in soil exists. However, it is likely the concentrations of this contaminant is such that the airborne concentrations will not exceed PELs or TLVs. A photoionizing detector (PID) will be used to monitor the onsite activities. Fitted respiratory protective devices with organic vapor cartridges shall be available to workers in the event respiratory protection is needed. if PID ≥ 50ppm (per P. Timmerman)

Ingestion of contaminants will be controlled by prohibiting eating, drinking, smoking and chewing in the work area. Adsorption of contaminants will be controlled by requiring workers to wear long sleeved uniforms, chemically protective gloves and safety glasses.

6.2 Safety Hazards

Site features, conditions, and activities that are potential safety hazards include:

- Excavations, trenches, holes or ditches
- Slip, trip and fall hazards
- Contact with sharp or jagged objects
- Contact with blunt or immovable objects
- Electrical hazards
- Equipment and machinery hazards
- Unstable surfaces, objects or structures, which may fall or give way

Other safety hazards can be caused by the work itself. For example, protective clothing or equipment may impair a worker's agility, hearing, and vision, increasing the risk of an accident. A copy of PSEC's Injury and Illness Prevention Program (IIPP), which addresses these items, is attached.

6.2.1 Heavy Equipment and Traffic

The use of heavy equipment onsite presents the greatest potential for injury to personnel. To minimize these hazards, designated routes will be established for mobilization through the facility and specific traffic patterns will be established. All trucks will use spotters for backing procedures. All personnel working along roadsides are required to wear orange safety vests.

Personnel needing to approach heavy equipment during operation will observe the following protocols:

1. Make eye contact with the operator
2. Signal the operator to cease heavy equipment activity
3. Approach the equipment and inform the operator of intentions

Only qualified personnel, as determined by the Site Superintendent, will operate heavy equipment. Those crew members directly involved with spotting for the operator will be the only personnel allowed with in the operating radius of the heavy equipment. All other personnel will remain a safe distance away from these operations. Vehicles will yield to all bikes, pedestrians, and railroad crossings.

Only equipment that is in safe working order will be used. To maintain this policy, all equipment brought onto the project site will be inspected for structural integrity, smooth operational performance, and proper functioning of all critical safety devices in accordance with the manufacturer's specifications. This inspection will be performed by a qualified equipment operator and the SSO. Equipment not conforming to the operational and safety requirements during this inspection will not be put into service until all necessary repairs are made to the satisfaction of the inspection group. Only quality operators familiar with the equipment will be permitted to operate equipment.

6.2.2 Electrical Hazards

To prevent accidents caused by electrical shock, the SSO will inspect all electrical connections on a daily basis. The SSO will shut down and lock out any equipment found to have frayed wiring or loose connections until a qualified electrician can be contacted and repairs effected. Electrical equipment will be de-energized and tested by an electrician prior to any electrical work being effected. All equipment will be properly grounded prior to and during all work. USA will be notified at least two working days prior to excavation in any area.

6.3 Physical Hazards

Physical hazards involve the potential for injury or adverse health from physical agents such as:

- Noise
- Heat stress
- Vibration
- Explosion and fire

6.3.1 Noise

PSEC's Hearing Conservation Program is attached.

6.3.2 Heat Stress

Heat Stress may be caused by factors that include combinations of elevated ambient temperatures, relative humidity, radiant heat, and wearing of PPE. The effects of heat stress are heat rash, cramps, exhaustion, and in extreme cases, heat stroke. Field personnel will be trained to recognize heat stress symptoms. Cool water or fluids will be readily available to the employees, who will be encouraged to drink frequently during each break. Use of shade canopies and work scheduled at non-peak temperature periods of the day shall be maximized. In situations where heat stress may impact worker safety and health, work/rest regimens will be established in accordance with the American Conference of Governmental Industrial Hygienists (ACGIH).

6.3.3 Vibration

Control of vibration hazards, such as those generated by the operation of power or air tools/equipment, will be achieved through the compliance with tool/equipment manufacturer's use specifications.

If determined necessary by the SSO, exposures to excessive vibration hazards will be evaluated in accordance with the guidelines published in the most current issue of the American Conference of Governmental Industrial Hygienists Handbook (ACGIH, 1994-1995).

6.3.4 Explosion and Fire

Explosions and fire at hazardous sites can be caused by situations and/or events, such as:

- Chemical reactions that produce explosion, fire, or heat
- Ignition of explosive or flammable chemicals
- Ignition of materials due to oxygen enrichment
- Agitation of shock- or friction sensitive compounds
- Sudden release of materials under pressure
- Explosion due to ignition of combustible airborne dusts

The potential for fire or explosion exists wherever flammable liquids or vapors are present above LEL concentrations and sufficient oxygen is present to support combustion. This potential fire hazard is addressed below.

Aviation gasoline is extremely flammable and may be ignited by heat, sparks, flame or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment). Vapors may travel considerable distances to a source of ignition where they may ignite, flashback or explode. Vapors are heavier than air and may accumulate in low areas.

During the work on the tank, electrical systems, etc., all sources of ignition, electrical power tools, smoking, etc., will be confined to at least 25 feet from and flammable liquid or vapor.

7.0 PERSONAL PROTECTIVE EQUIPMENT

Careful selection and use of adequate personal protective equipment (PPE) will prevent contact with and minimize worker exposure to site contaminants. Use of PPE will vary according to the nature of contamination present in the area.

All site personnel involved in excavation, UST contents removal, inerting, dewatering, site characterization, and truck loading activities will be provided with and required to wear the PPE listed below under Modified Level -D protection:

- Disposable coveralls
- nitrile gloves
- sturdy construction boots and gloves
- hard hat
- safety glasses

Level-C protection may also be required depending on the results of the organic vapor monitoring. Upgrading to Level-C would include a half-face air purifying respirator with organic vapor cartridges.

8.0 EMERGENCY RESPONSE PLAN

8.1 Pre-Emergency Planning

The SSO performs the applicable pre-emergency planning tasks before commencing field activities and coordinates emergency response with the facility and local emergency services as appropriate.

- Locate nearest telephone to the site and inspect onsite communications
- Locate chemical and safety hazards
- Confirm and post emergency telephone numbers and route to the hospitals
- Post site map marked with location of emergency equipment and supplies
- Inventory and check site emergency equipment and supplies
- Review emergency procedures for personnel injuries, exposure, fire, explosion, chemical, and possible vapor releases with field personnel
- Locate site emergency equipment and supplies of clean water
- Verify local emergency contact, hospital routes, evacuation routes, and assembly points
- Post a map to the nearest hospital

8.2 Identification of Nearest Medical Assistance

where is map?

Name of Facility:	Valley Memorial Hospital
Telephone Number:	(925) 447-7000
Address:	1111 East Stanley Blvd., Livermore

8.3 Emergency Contacts

Fire Control	911
Police	911
Ambulance	911
Poison Control Hotline	(415) 656-2845

Pacific States
ENVIRONMENTAL CONTRACTORS, INC.

Post Office Box 11357
Pleasanton, CA 94588
Tel 925/803-4333
Fax 925/803-4334

FAX TRANSMITTAL SHEET

DATE: 8/12/98 **TIME:** 11:30 A

TO: Eva Chu **FAX #** 510-337-9335

COMPANY Ala. Co. Env. Health

FROM: Pete Timmerman **# of Pages** 2

Pager 888-945-1731, 207-965/ mobil

REMARKS: Contractors license + H+Safte tranning ~~updates~~ are needed

8/11 @ 3:15 PM Cybil @ 803-0333 gave me Petes pager and mobil #

NOTE: THE INFORMATION CONTAINED IS INTENDED FOR ADDRESSEE ONLY. *PLEASE CALL IF YOU ARE MISSING ANY PAGES. THANK YOU.*

MICHAEL WILLCOXON, ESQ.
ATTORNEY-AT-LAW
11555 DUBLIN BLVD., SUITE 201
DUBLIN, CALIFORNIA 94568

TELEPHONE
(510) 803-4277

TELECOPIER
(510) 803-4270

July 24, 1997

TO:

Eva Chu
Hazardous Materials Specialist
Div. of Environmental Protection
Dept. of Environmental Health
1131 Harbor Bay Parkway
2nd Floor
Alameda, CA 94502

SUBJECT:

8638 Patterson Pass Road (at Greenville Road)
Livermore, California

ENCLOSURES:

One (1) original Kleinfelder Addendum/Soil & Groundwater Assessment Report

REQUESTED ACTION:

For your review and comments. If you have any questions or wish to discuss this matter further, please let me know. Thank you for your continued courtesy and cooperation.

VERY TRULY YOURS,

Michael Willcoxon, Esq.

DENNIS B. SCHMUCKER, RECEIVER
1010 SECOND AVENUE, SUITE 1421
SAN DIEGO, CA 92101-4905
(619) 235-3050 FAX (619) 232-1446

July 18, 1997

(Via UPS Monday Morning Delivery)

Ms. Eva Chu
Alameda County Health Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Dear Ms. Chu,

Enclosed please find a copy of the Preliminary Environmental Survey Report dated February 15, 1989 for Monarch Industrial Park, Ltd.

If you have any questions or if I can be of any further assistance, please do not hesitate to contact me.

Sincerely,

Jeffrey L. Piper
Consultant

JLP:as

Enclosures

FACSIMILE TRANSMISSION

To: Eva Chu

Fax Number: (510) 337-9335

From: Stephanie Powell

Date: July 9, 1997

Subject: Meeting on July 16, 1997

Project Number:

Number of pages (including this cover sheet): 1

Original to follow by mail: ____ Yes X No

Remarks:
Dear Ms. Chu:

This fax is to confirm the meeting scheduled for 10 am at your office on Wednesday July 16, 1997. It is anticipated that a total of six persons will be attending the meeting. You should receive via Federal Express tomorrow, Thursday, three copies of the Closure Plan, which is provided as an appendix to the workplan prepared by HLA. You will also receive a check for $1,245 as the fee payment for the removal of the USTs. The intent of the meeting is not to receive approval of the closure plan and authorization to proceed with the removal of the USTs, but it is to present you with our approach to the removal of three USTs and closure of any contaminated soils and/or groundwater. Integral to our approach is a risk assessment. If you could please review the workplan and the closure plan prior to the meeting so that you will be informed on our approach and be able to aid us in understanding the acceptability of this type of approach with your agency. We look forward to the meeting on Wednesday and appreciate your time and assistance. Please feel free to give me a call if you have any questions.

Additionally, I wanted to verify the directions to your office:

From Oakland Airport
Turn left on Doolittle
Go approximately 1 to 2 miles
Turn left on Harbor Bay Parkway
Go approximately 1 mile
Turn right on C Street
Go to the back
The address of the office is 1131 Harbor Bay Parkway, Alameda, CA 94502

Thank you,

Stephanie Powell Andrew Keller, HLA

cc: Steve Jones, Jones, Day, Reavis & Pogue
Larry Casey, David Schmucker's Office

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