

STATE WATER RESOURCES CONTROL BOARD  
DIVISION OF CLEAN WATER PROGRAMS  
2014 T STREET, SUITE 130  
P.O. BOX 944212  
SACRAMENTO, CALIFORNIA 94244-2120  
(916) 227-4307  
(916) 227-4530 (FAX)

ENVIRONMENTAL  
PROTECTION  
95 SEP 29 PM 1:15



September 26, 1995

E C BUEHRER ASSOCIATION  
1061 EASTSHORE HWY  
BERKELEY, CA 94710

UNDERGROUND STORAGE TANK CLEANUP FUND PROGRAM, NO RESPONSE TO LETTER  
OF COMMITMENT (LOC): CLAIM NUMBER 001138; FOR SITE ADDRESS: 1061  
EASTSHORE HWY, BERKELEY

It has come to my attention that the LOC issued to you on April 05, 1995 in the amount of  
\$50,000 has not been responded to with a request for reimbursement.

Please submit your reimbursement request with all of the required supporting  
documentation, or a written explanation as to the status of the cleanup and why you have  
not requested reimbursement to date. If a request or adequate explanation is not received  
within thirty (30) calendar days from the date of this letter, I will take steps to begin the  
withdrawal process of your LOC.

Please send your reimbursement request or explanation to:

Claim No. 001138  
State Water Resources Control Board  
Division of Clean Water Programs  
Underground Storage Tank Cleanup Fund Program  
P. O. Box 944212  
Sacramento, CA 94244-2120

If you have any questions, please contact Cheryl Gordon at (916) 227-4539.

Sincerely,

*Cheryl Gordon for*  
Francine Aguirre, Team Leader - Region 2  
Underground Storage Tank Cleanup Fund

cc: Ms. Susan Hugo  
Alameda County EHD  
1131 Harbor Bay Pkway, 2nd Fl  
Alameda, CA 94502-6577

STATE WATER RESOURCES CONTROL BOARD  
 DIVISION OF CLEAN WATER PROGRAMS  
 2014 T STREET, SUITE 130  
 P.O. BOX 944212  
 SACRAMENTO, CALIFORNIA 94244-2120  
 (916) 227-4360  
 (916) 227-4530 (FAX)



#1323

closed

APR 24 1995

EC Buehrer Assoc.  
 1061 Eastshore Hwy  
 Berkeley, CA 94710

UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 001138, FOR SITE ADDRESS: 1061 Eastshore Hwy, Berkeley, CA ~~94710~~ Albany 94706

The State Water Resources Control Board (State Board) takes pleasure in issuing the attached Letter of Commitment in an amount not to exceed \$50,000. This Letter of Commitment is based upon our review of the corrective action costs incurred to date and your application received on January 16, 1992 and may be modified by the State Board in writing by an amended Letter of Commitment.

Read the terms and conditions listed in the Letter of Commitment. The State Board will take steps to withdraw this Letter of Commitment after 90 calendar days from the date of this transmittal letter unless you proceed with due diligence with your cleanup effort. This means that you must take positive, concrete steps to ensure that corrective action is proceeding with all due speed. For example, if you have not started your cleanup effort, you must obtain three bids and sign a contract with one of these bidders within 90 calendar days. If your cleanup effort has already started and was delayed, you must resume the expenditure of funds to ensure that your cleanup is proceeding in an expeditious manner. You are reminded that you must comply with all regulatory agency time schedules and requirements.

This package includes the following:

- A "Reimbursement Request Instructions" package. Retain this package for future reimbursement requests. These instructions must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988. Included in the instruction package are:
  - Samples of completed Reimbursement Request forms and Spreadsheets.
  - Recommended Minimum Invoice Cost Breakdown
- A "Bid Summary-Sheet to list information on bids received.
- A "Certification of Non-Recovery From Other Sources" which must be returned before any reimbursements can be made.
- "Reimbursement Request" forms which you must use to request reimbursement of costs incurred.
- "Spreadsheet" forms which you must use in conjunction with your Reimbursement Request.
- "Claimant Data Record" (Std. Form 204) which must be completed and returned with your first Reimbursement Request.

YOU MUST SUBMIT A REIMBURSEMENT REQUEST PACKAGE BY July 5, 1995, OR SEND A WRITTEN UPDATE EXPLAINING:

1. Status of cleanup to date.
2. Reason(s) why a reimbursement request has not been submitted.
3. Costs incurred to date for corrective action.
4. Projected date for submitting a reimbursement request.

We constantly review the status of all active claims. If you do not submit a reimbursement request or a written update by the date above, or fail to proceed with due diligence with the cleanup, we will take steps to withdraw your Letter of Commitment.

If you have any questions regarding the Letter of Commitment or the Reimbursement Request package, please contact Blessy Torres at (916) 227-4535.

Sincerely,

Dave Deaner, Manager  
 UST Cleanup Fund Program

Enclosures

cc: Mr. Steve Morse  
 California Regional Water Quality  
 Control Board, San Francisco Bay Region  
 2101 Webster Street, Suite 500  
 Oakland, CA 94612

Mr. Tom Peacock  
 Alameda County EHD  
 1131 Harbor Bay Pkway, 2nd Fl  
 Alameda, CA 94502-6577

LETTER OF COMMITMENT FOR REIMBURSEMENT OF COSTS

CLAIM NO: 001138

AMENDMENT NO: 0

CLAIMANT: EC Buehrer Assoc.  
CO-PAYEE: Federated Mutual Insurance  
JOINT CLAIMAINT: None

BALANCE FORWARD: \$0

THIS AMOUNT: \$50,000

NEW BALANCE: \$50,000

CLAIMANT ADDRESS: 1061 Eastshore Hwy  
Berkeley, CA 94710

TAX ID/SSA NO: 94-1111197 41-0417460

Subject to availability of funds, the State Water Resources Control Board (SWRCB) agrees to reimburse EC Buehrer Assoc. (Claimant) for eligible corrective action costs at EC Buehrer Assoc., 1061 Eastshore Hwy, Berkeley, CA 94710 (Site). The commitment reflected by this Letter is subject to all of the following terms and conditions:

1. Reimbursement shall not exceed \$50,000 unless this amount is subsequently modified in writing by an amended Letter of Commitment.
2. The obligation to pay any sum under this Letter of Commitment is contingent upon availability of funds. In the event that sufficient funds are not available for reasons beyond the reasonable control of the SWRCB, the SWRCB shall not be obligated to make any disbursements hereunder. If any disbursements otherwise due under this Letter of Commitment are deferred because of unavailability of funds, such disbursements will promptly be made when sufficient funds do become available. Nothing herein shall be construed to provide the Claimant with a right of priority for disbursement over any other claimant who has a similar Letter of Commitment.
3. All costs for which reimbursement is sought must be eligible for reimbursement and the Claimant must be the person entitled to reimbursement thereof.
4. Claimant must at all times be in compliance with all applicable state laws, rules and regulations and with all terms, conditions, and commitments contained in the Claimant's Application and any supporting documents or in any payment requests submitted by the Claimant.
5. No disbursement under this Letter of Commitment will be made except upon receipt of acceptable Standard Form Payment Requests duly executed by or on behalf of the Claimant. All Payment Requests must be executed by the Claimant or a duly authorized representative who has been approved by the Division of Clean Water Programs.
6. Any and all disbursements payable under this Letter of Commitment may be withheld if the Claimant is not in compliance with the provisions of Paragraph 5 above.
7. Neither this Letter of Commitment nor any right thereunder is assignable by the Claimant without the written consent of the SWRCB. In the event of any such assignment, the rights of the assignee shall be subject to all terms and conditions set forth in this Letter of Commitment and the SWRCB's consent.
8. This Letter of Commitment may be withdrawn at any time by the SWRCB if completion of corrective action is not performed with reasonable diligence.

IN WITNESS WHEREOF, this Letter of Commitment has been issued by the SWRCB this 5th day of April, 1995.

STATE WATER RESOURCES CONTROL BOARD

BY [Signature]  
Manager, Underground Storage Tank Cleanup Fund Program

BY [Signature]  
Chief, Division Administrative Services

STATE USE:  
CALSTARS CODING:  
0550-569.02 - 30530  
\$ \_\_\_\_\_

STATE OF CALIFORNIA - CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, Governor

**STATE WATER RESOURCES CONTROL BOARD**

**DIVISION OF CLEAN WATER PROGRAMS**

2014 T STREET, SUITE 130

P.O. BOX 944212

SACRAMENTO, CA 94244-2120



FAX (916) 227-4349

FAX (916) 227-4530

FAX (916) 227-4595

TRANSMITTAL OF FAX MATERIAL

DATE: 3-16-95

TO: Susan Hugo

FAX # (510) 337-9335

FROM: DIVISION OF CLEAN WATER PROGRAMS  
FAX # (916) ~~227-4349~~  
CLEANUP FUND FAX (916) 227-4530  
Planning Facilities FAX (916) ~~227-4696~~

Cheryl Gordon

(If you did not receive all your FAX,  
please call (916) 227-4539)

NO. OF PAGES 3 (including this sheet)

For your information

Per your request

For your review and comments

REMARKS: Susan, please sign  
and fax back.

CORRECTIVE ACTION CHRONOLOGY

CLAIMANT: EC Buehrer Assoc.  
CLAIM NO: 001138

SITE: 1061 Eastshore Hwy  
Berkeley, CA 94710

Date	Comments
2-18-88	TANK REMOVAL
11-20-89	PROPOSAL FOR SUBSURFACE INVESTIGATION
3-19-90	SUBSURFACE INVESTIGATION
6-20-90	HYDROGEOLOGICAL INVESTIGATION RESULTS REPORT
2-27-91	PHASE II HYDROGEOLOGIC ASSESSMENT WORKPLAN
3-11-91	SITE ASSESSMENT WORKPLAN
4-11-91	RESULTS OF QRTL Y MONITORING
7-15-91	SITE HEALTH AND SAFETY PLAN
8-1-91	PROBLEM ASSESSMENT REPORT
8-21-91	SOIL REMEDIATION WORKPLAN
10-14-91	QTRLY GW MONITORING LTR REPORT
2-18-92	REVISION TO 8/21/91 SOIL REMEDIATION WORKPLAN
2-20-92	QTRLY GW MONITORING REPORT
4-1-92	UST CLOSURE PLAN
5-6-92	QTRLY GW MONITORING REPORT
7-1-92	SOIL EXCAVATION RESULTS REPORT
7-27-92	QTRLY GW MONITORING REPORT
10-13-92	QTRLY GW MONITORING REPORT
2-2-93	QTRLY GW MONITOI RING REPORT
3-17-93	CNTY RESPONDED TO CONSULTANT'S REQUEST FOR SITE CLOSURE - CNTY RECOMMENDED TWO MORE QUARTERS OF MONITORING
7-19-93	QTRLY GW MONITORING REPORT
9-3-93	FINAL QTRLY MONITORING REPORT
12-9-93	CNTY LTR TO CLMNT - CNTY IN PROCESS OF REVIEWING FILES FOR SITE TO DETERMINE CLOSURE. PERTINENT INFO IS MISSING TO ASSESS SITE FOR CLOSURE. SUBMIT DOCUMENTATION ON FATE OF EXCAVATED SOIL FROM INITIAL REMOVAL OF 300-GAL AND 1K GAL UST AND OVER EXCAVATION OF SITE BY JAN. 94
3-23-94	CNTY RECVD ABOVE-REQUESTED INFORMATION
7-8-94	CNTY ISSUED SITE CLOSURE FOR SITE INVESTIGATION AND REMEDIAL ACTION FOR THE 300-GAL W/O, 1K GAL GS, AND 1K GAL UNLEADED UST
8-17-94	CONSULTANT SUBMITTED A REPORT OF MONITORING WELL DECOMMISSIONING.

CLAIM NO. 1138

LOCAL AGENCY NO. \_\_\_\_\_

SITE ADDRESS 1061 Eastshore Hwy., Berkeley, CA 94710

ALBANY

CORRECTIVE ACTION COMPLIANCE DOCUMENTATION

PAGE 3

DATE

ACTION REQUIRED/RESPONSE

*See attached*

CONFIRMATION OF CORRECTIVE ACTION COMPLIANCE:

After reviewing the lead agency site file, the claim reviewer has determined that the claimant is in substantial compliance with corrective action requirements.

*Cheryl Gordon*  
REVIEWER'S SIGNATURE

*2-21-95*  
DATE SIGNED

LEAD AGENCY CONCURRENCE:

As of this date, the lead agency representative concurs with the determination that the claimant is in compliance with applicable corrective action requirements.

*Susan L. Hugo*  
SIGNATURE

*3/15/95*  
DATE SIGNED

STAFF RECOMMENDATION: ( ) APPROVED

( ) REFERRED TO TEAM LEADER - See Comments, Page 2.

REVIEWER'S SIGNATURE:

DATE SIGNED

Revised 10/92

Fugro West, Inc.

1050 Melody Lane, Suite 160  
Roseville, CA 95678

Tel: (916) 782-2110  
FAX: (916) 786-7830



Fax Message No.

Date

3/10/94

Page

1 of 3

Fax No.

(610) 569-4757

To

Alameda Co., Dept of Health

Attn

Juliet Shinn

CC: To

File No.

Attn

From

Laura Blouha

File No.

Subject

C.P. Buehrer Inc. - address  
1001 Eastshore Hwy, Alameda Co

Hard Copy Will Follow Via Mail:  Yes  No

FOR OFFICE USE ONLY

Originator	Name	Initial	Approvals	Rec	Print	To	Sending
<input type="checkbox"/> Return to Originator	<input type="checkbox"/> To be Filed	<input type="checkbox"/> Mail to Addressee	<input type="checkbox"/> Discard	<input type="checkbox"/> Return to Word Processing for copying, then mail			

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

December 9, 1993

Mr. Neil Hamre  
E.C. Buehrer Associates, Inc.  
1061 Eastshore Hwy.  
Albany, CA 94710

STID 1323

Re: Request for closure for the site located at 1061 Eastshore  
Hwy., Albany, California

Dear Mr. Hamre,

This office is in the process of reviewing the files for the above site to determine whether this site is ready for closure. This office has noted that there is still some pertinent information missing to adequately assess this site for closure. We are missing documentation on the fate of the excavated soil resulting from the initial removal of the 300-gallon and 1,000-gallon underground storage tanks (USTs), the removal of the second 1,000-gallon UST, and overexcavation of the site. Additionally, we are missing information documenting the disposal of all the above USTs from the site. This documentation needs to be submitted before this office can recommend this site for closure. Please submit these documents **within 30 days** of the date of this letter.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Juliet Shin'.

Juliet Shin  
Hazardous Materials Specialist

cc: Laura J. Odenthal  
Aegis Environmental, Inc.  
1050 Melody Lane, Ste 160  
Roseville, CA 95678

Edgar Howell-File(JS)



ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

October 7, 1993

Mr. Neil Hamre  
E.C. Buehrer Associates, Inc.  
1061 Eastshore Hwy.  
Albany, CA 94710

STID 1323

Re: Investigations at 1061 Eastshore Hwy., Albany, California

Dear Mr. Hamre,

In March 1993, this office sent you a letter stating that after two additional quarterly monitoring events at the site, this office would reevaluate the files to determine whether the site could be recommended for closure or whether additional work would be required. The two additional quarterly monitoring events have been completed, and this office has come to the decision that this site is near to closure. However, since consistently low levels of diesel and intermittent appearances of gas and benzene have been identified in the monitoring wells, this office needs to be assured that the ground water beneath the site is nonpotable. The State Water Resources Control Board's Resolution No. 88-63 has defined nonpotable water to be water containing greater than 3,000 ppm Total Dissolved Solids.

You are required to analyze the ground water for TDS, to confirm that this water is nonpotable before the site can be granted closure in its current condition.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

Juliet Shin  
Hazardous Materials Specialist

cc: Laura J. Odenthal  
Aegis Environmental, Inc.  
1050 Melody Lane, Ste 160  
Roseville, CA 95678

Edgar Howell-File(JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

March 17, 1993

Mr. Neil Hamre  
E.C. Buehrer Associates, Inc.  
1061 Eastshore Hwy.  
Albany, CA 94710

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

STID 1323

Re: Investigations at 1061 Eastshore Hwy., Albany, California

Dear Mr. Hamre,

This office has received and reviewed Aegis Environmental, Inc.'s Request for Site Closure Report, dated March 8, 1993. Although fairly low concentrations of diesel, gasoline, and oil and grease have been identified in ground water samples collected from the on-site wells within the period between April 1991 and the present, this office is concerned by the fact that the levels of gasoline identified from Wells MW-6 and MW-9 appear to have increased in the last several quarterly sampling events. This suggests that contaminants may still be leaching out from the soil into the ground water. This office is requesting that quarterly monitoring be continued for another two quarters to determine whether gasoline concentrations in ground water will continue to increase and whether benzene and diesel concentrations are still leaching out into the ground water and at what levels. Additionally, this office feels that this is a valid request since elevated levels of the heavier hydrocarbons have been left in the soils at the site. Based on the results of the following two quarterly ground water sampling events, this office will determine whether the site is qualified to be recommended for site closure or what additional work will be required if it is determined that ground water contamination is still a problem at the site.

In response to the PCB issue, this office will not be requiring that you address further investigations related to the 300 ppb PCB identified in surface soils along the border of the site, since this contamination appears to be the result of operations on the neighboring Alcan Aluminum property.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

A handwritten signature in cursive script, appearing to read "Juliet Shin".

Juliet Shin  
Hazardous Materials Specialist

Mr. Neil Hamre  
Re: 1061 Eastshore Hwy.  
March 17, 1993  
Page 2 of 2

cc: Richard Hiatt, RWQCB

Thomas J. Knoch  
Aegis Environmental, Inc.  
1050 Melody Lane, Ste. 160  
Roseville, CA 95678

Edgar Howell-File(JS) *EPA*

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program  
80 Swan Way, Rm 200  
Oakland, CA 94621  
(510) 271-4530

October 23, 1992

Clayt Johnson  
Buehrer, Inc.  
1061 Eastshore Hwy.  
Albany, CA 94710

STID 1323

RE: Investigations at 1061 Eastshore Hwy., Albany, California

Dear Mr. Johnson,

This case file has been transferred to another Hazardous Materials Specialist, Juliet Shin.

This office has recently received the Quarterly Ground water Monitoring Report, dated October 13, 1992. Thank you for your timeliness in submitting the quarterly reports.

In reviewing the files, it was noted that 300 ppb of Aroclor 1254 was identified from a surface soil sample, SSS-3, collected from near the former on-site transformer in May 1990. Although this concentration is relatively low, some excavation and resampling may be required as one method to confirm that this contamination problem is not more extensive. If you choose not to conduct excavation and additional sampling from this area, a risk assessment will be required to address this contamination problem before the site can request closure.

Thank you for your cooperation. If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

Juliet Shin  
Hazardous Materials Specialist

cc: Richard Hiett, RWQCB

Abel Ramirez Jr.  
Aegis Environmental, Inc.  
1050 Melody Lane, Ste 160  
Roseville, CA 95678

Edgar Howell-File(JS)

*EPA File*

Project Specialist (print) SUSAN L. HUGO

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
HAZARDOUS MATERIALS DIVISION  
80 SWAN WAY, ROOM 200  
OAKLAND, CA 94621  
PHONE NO. 415/271-4320

WB  
92 APR -2 11:2:36

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH  
470 - 27th Street, Third Floor  
Oakland, CA 94612  
Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to the plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction.

One copy of these accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any change or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 48 hours prior to the following required inspections:

Removal of Tank and Piping

Sampling

Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

*I have note change made on page 4, 5  
Susan L. Hugo  
4/28/92*

**UNDERGROUND TANK CLOSURE PLAN**

**\* \* \* Complete according to attached instructions \* \* \***

- Business Name E.C. BUEHRER & Associates, INC.  
Business Owner Neil Hamre
  - Site Address 1061 EASTSHORE HIGHWAY STID 1323  
City ALBANY Zip 94710 Phone (415) 527-1161
  - Mailing Address 1061 EASTSHORE HIGHWAY  
City BERKELEY Zip 94710 Phone (415) 527-1161
  - Land Owner BAYFORT INVESTORS, INC.  
Address 1061 EASTSHORE HWY City, State ALBANY CA Zip 94710
  - Generator name under which tank will be manifested E.C. BUEHRER
- EPA I.D. No. under which tank will be manifested CAL 000 644 656

6. Contractor M & M EQUIPMENT  
Address 452 MANN-NOLTA RIDGE RD  
City CHICO Phone (916) 343-2502  
License Type GEN. ENGINEERING, ID# 486032  
CLASS A

7. Consultant AEGIS ENVIRONMENTAL, INC.  
Address 1050 MELODY LN STE. 160  
City ROSEVILLE Phone (916) 782-2110

8. Contact Person for Investigation  
Name PAUL GRAFF Title PROJECT GEOLOGIST  
LARRY BRAYBROOKS  
Phone (916) 782-2110

9. Number of tanks being closed under this plan 1  
Length of piping being removed under this plan 25'  
Total number of tanks at facility 1

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

\*\* Underground tanks are hazardous waste and must be handled \*\*  
as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter  
Name Erickson  
NG Chemical EPA I.D. No. CAD-980-675896  
Hauler License No. 1165 License Exp. Date 4-30-92  
Address 1495 Industrial Ave  
City San Jose State CA Zip 95112

b) Product/Residual Sludge/Rinsate Disposal Site  
Name Erickson EPA I.D. No. CAD-009-466-392  
Address 255 Parr Blvd.  
City Richmond State CA Zip 94801

c) Tank and Piping Transporter

Name ~~NG CHEMICAL~~ <sup>Erickson</sup> EPA I.D. No. ~~CAD-980-675-896~~  
Hauler License No. 765 License Exp. Date 4-30-92  
Address 1495 INDUSTRIAL AVE  
City SAN JOSE State CA Zip 95112

d) Tank and Piping Disposal Site

✓ Name ERICKSON EPA I.D. No. CAD-009-466-392  
Address 255 PARR BLVD.  
City RICHMOND State CA Zip 94801

11. Experienced Sample Collector

Name ~~LARRY BRAYBROOKS~~ Mike Kitko  
Company AEGIS ENVIRONMENTAL, INC.  
Address 1050 MELODY LANE STE 160  
City ROSEVILLE State CA Zip 95628 Phone (916) 2522110

12. Laboratory

Name National Environmental Testing, Pacific INC.  
Address 435 Tesconi Circle  
City Santa Rosa State CA Zip 95401  
State Certification No. 1386

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

If yes, describe. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

14. Describe methods to be used for rendering tank inert

VAPOR FREEING USING DRY ICE

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Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
1000 G	<del>Waste Oil</del> Unleaded gasoline	soil/pipes ground water if present	excavation side walls to be sampled following remedial over excavation one sample must be collected at each point no deeper than 2 ft into the native soil

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



Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) <u>1000 yds<sup>3</sup></u>	Sampling Plan <u>1 composite per 50 yds<sup>3</sup></u>

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

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.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
<del>motor oil</del>	<del>5520 E, F</del>		
oil and grease	5520 D & F		50.0 ppm (soil)
TPHg	5030	GC-FID	2.0 ppm (soil)
TPHd	3550	GC-FID	1.0 ppm (soil)
BTX&E	8020 or 8240		1.005 ppm (soil)
found in 1 MW C&H M&E	8010 or 8240		
metals Cu, Cd, Zn, Ni, Pb	AA		
PCB PNA PCP Cresote			

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

18. Submit Worker's Compensation Certificate copy

Name of Insurer STATE FUND

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

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

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

I declare that to the best of my knowledge and belief 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 an approval from the Department of Environmental Health 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.

Signature of Contractor

Name (please type) MICHAEL F MCDONOUGH

Signature [Handwritten Signature]

Date 4/1/92

Signature of Site Owner or Operator

Name (please type) NEAL E. HAMRE

Signature [Handwritten Signature]

Date 4-1-92

## 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.

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. PILOT 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 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 C & 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 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

Tri-Regional Board Staff Recommendations  
Preliminary UST Site Investigations

10 August 1990

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 HAZARDOUS MATERIALS DIVISION

Effective January 1, 1991

UNDERGROUND STORAGE TANK FEE SCHEDULE

# OF CONTAINERS	ANNUAL FEE (TO REGISTER)	REMOVAL/INSTALLATION/ MODIFICATION FEE
1	\$144	\$ 432
2	214	642
3	285	855
4	358	1074
5	428	1284
6	493	1479
7	557	1671
8	621	1863
9	685	2055
10	750	2250
11	806	2418
12	864	2592
13	920	2760
14	978	2934
15	1035	3105
16	1091	3273
17	1149	3447
18	1206	3618
19	1263	3789
20	1320	3960
21+	1320 + \$51/Additional	multiply annual fee

**REGULATION 8  
ORGANIC COMPOUNDS  
RULE 40  
AERATION OF CONTAMINATED SOIL  
AND  
REMOVAL OF UNDERGROUND STORAGE TANKS**

**INDEX**

- 8-40-100 GENERAL**
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- 8-40-301 Uncontrolled Aeration
  - 8-40-302 Controlled Aeration
  - 8-40-303 Storage Piles
  - 8-40-310 Underground Storage Tanks - Removal or Replacement
  - 8-40-311 Vapor Freeing
  - 8-40-312 Ventilation
- 8-40-400 ADMINISTRATIVE REQUIREMENTS**
- 8-40-401 Reporting, Removal or Replacement of Tanks
  - 8-40-402 Reporting, Excavation of Soil
  - 8-40-403 Reporting, Aeration of Contaminated Soil
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  - 8-40-405 Reporting, Soil Excavations Unrelated to Underground Storage Tank Activities

**REGULATION 8  
ORGANIC COMPOUNDS  
RULE 40  
AERATION OF CONTAMINATED SOIL  
AND  
REMOVAL OF UNDERGROUND STORAGE TANKS  
(Adopted July 16, 1986)**

**8-40-100 GENERAL**

**8-40-101 Description:** The purpose of this Rule is to limit the emission of organic compounds from soil that has been contaminated by organic chemical or petroleum chemical leaks or spills; to describe an acceptable soil aeration procedure; and to describe an acceptable procedure for controlling emissions from underground storage tanks during removal or replacement. (Amended February 15, 1989)

**8-40-110 Exemption, Storage Piles:** Calculations of aeration volume under Section 8-40-204 shall not include storage piles that are covered per Section 8-40-303; nor shall they include active storage piles.

**8-40-111 Exemption, Excavated Hole:** The exposed surfaces of an excavated hole shall not be included in calculations of aerated volume under Section 8-40-204.

**8-40-112 Exemption, Sampling:** Contaminated soil exposed for the sole purpose of sampling shall not be considered to be aerated. Removal of soil for sampling shall not qualify a pile as "active."

**8-40-113 Exemption, Non-volatile Hydrocarbons:** The requirements of all sections of this Rule shall not apply if the soil is contaminated solely by a known organic chemical or petroleum liquid, and that chemical or liquid has an initial boiling point of 302°F or higher, provided that the soil is not heated. (Amended February 15, 1989)

**8-40-114 Exemption, Soil Excavation During Pipeline Leak Repairs:** The requirements of Section 8-40-402 shall not apply if soil is being excavated in order to repair leaking pipelines and if no more than 5 cubic yards are generated, and provided the requirements in Section 8-40-404 are satisfied. (Adopted February 15, 1989)

**8-40-115 Exemption, Soil Excavation Unrelated to Underground Storage Tank Activities:** The requirements of Section 8-40-402 shall not apply where contaminated soil is discovered during excavations unrelated to underground storage tank activities, and provided the requirements in Section 8-40-405 are satisfied.

(Adopted February 15, 1989)

**8-40-200 DEFINITIONS**

**8-40-201 Active Storage Pile:** A pile of contaminated soil to which soil is currently being added or from which soil is currently being removed. Activity must have occurred or be anticipated to occur within one hour to be current.

**8-40-202 Aeration:** Exposure of excavated contaminated soil to the air.

**8-40-203 Aeration Depth:** The smaller of the following: the actual average depth of contaminated soil; or 0.15 meters (0.5 feet) multiplied by the daily frequency with which soil is turned. (Amended February 15, 1989)

**8-40-204 Aeration Volume:** The volume of soil being aerated shall be calculated as follows: the exposed surface area (in square feet or square meters) shall be multiplied by the aeration depth. The exposed surface area includes the pile of excavated soil unless the pile is covered per Section 8-40-303. (Amended February 15, 1989)

**8-40-205 Contaminated Soil:** Soil which has an organic content, as measured using the procedure in Section 8-40-802, exceeding 50 ppm(wt).

- 310.2 All liquids and sludges shall be removed, to the extent possible, from the tank. A hand pump shall be used to remove the bottom few inches of product necessary.
- 310.3 Vapors shall be removed from the tank using one of the following three methods:
  - 3.1 The tank may be filled with water, displacing vapors and hydrocarbon liquids. Water used for this purpose must be collected and/or disposed of in a manner approved by the APCO.
  - 3.2 Vapor freeing.
  - 3.3 Ventilation.

(Amended February 15, 1989)

- 8-40-311 **Vapor Freeing:** No person shall vapor free a tank containing more than 0.001 gallons of liquid organic compounds per gallon of tank capacity unless emissions of organic compounds to the atmosphere are reduced by at least 90%.
- 8-40-312 **Ventilation:** No person shall ventilate a tank containing more than 0.001 gallons of liquid organic compounds per gallon of tank capacity unless emissions of organic compounds to the atmosphere are reduced by at least 90%.

**8-40-400 ADMINISTRATIVE REQUIREMENTS**

- 8-40-401 **Reporting, Removal or Replacement of Tanks:** The person responsible for the removal or replacement of tanks which are subject to the provisions of Sections 8-40-310 shall provide written notice to the APCO of intention to remove or replace tanks. The written notice shall be postmarked at least 5 days prior to commencement of such removal or replacement. In the case of emergency removal or replacement of tanks, notice shall be provided as early as possible prior to the commencement of such emergency removal or replacement, to be followed by written verification. The written notice of intention shall include:
  - 401.1 Names and addresses of persons performing and responsible for the tank removal or replacement
  - 401.2 Location of site at which tank removal or replacement will occur
  - 401.3 Scheduled starting date of tank removal or replacement. The scheduled starting date may be delayed for no more than 5 working days, provided the APCO is notified by telephone as early as possible prior to the new starting date.
  - 401.4 Procedures to be employed to meet the requirements of Sections 8-40-310.
  - 401.5 If applicable, name, title and authority of the state or local government representative who has ordered a tank removal or replacement which is subject to emergency procedures.

(Adopted, February 15, 1989)

- 8-40-402 **Reporting, Excavation of Soil:** The person responsible for the excavation of soil subject to the provisions of Sections 8-40-301 or 302 shall provide written notice to the APCO of intention to excavate. The written notice shall be postmarked at least 5 days prior to commencement of such excavation. In the case of emergency excavations, notice shall be provided as early as possible prior to the commencement of such emergency excavation, to be followed by written verification. Written notice of intention to excavate may be submitted to the APCO at the same time written notice of intention to remove or replace tanks is submitted provided that such notification precedes the commencement of either tank removal or replacement or soil excavation by at least 5 days as indicated by postmark. The written notice of intention shall include:
  - 402.1 Names and addresses of persons performing and responsible for excavation.
  - 402.2 Location of site at which excavation will occur.

601.2 Each 50 cubic yard pile for which a composite sample is required shall be considered to have four equal sectors. One sample shall be taken from the center of each sector. Samples shall be taken from at least three inches below the surface of the pile. Samples shall be taken using one or the following methods:

1.1 Samples shall be taken using a driven-tube type sampler, capped and sealed with inert materials, and extruded in the lab in order to reduce the loss of volatile materials; or

1.2 Samples shall be taken using a clean brass tube (at least three inches long) driven into the soil with a suitable instrument. The ends of the brass tube shall then be covered with aluminum foil, then plastic end caps, and finally wrapped with a suitable tape. The samples shall then be immediately placed on ice, or dry ice, for transport to a laboratory.

(Amended February 15, 1989)

**8-40-602 Measurement of Organic Content:** Organic content of soil shall be determined by the Regional Water Quality Control Board's Revised Analytical Methods, Attachment 2, 11/8/85, any other method approved by the APCO, or EPA Reference Method 8010 or 8015.

(Amended February 15, 1989)

**8-40-603 Determination of Emissions:** Emissions of organic compounds as specified in Sections 8-40-302, 8-40-311 and 8-40-312, shall be measured as prescribed in the Manual of Procedures, Volume IV, ST-7.

(Amended February 15, 1989)

# UNIVERSITY OF CALIFORNIA UNIVERSITY EXTENSION, DAVIS

IN RECOGNITION THAT

*Stephen J Rondeau*

HAS ATTENDED THE FOLLOWING PROGRAM

Health and Safety Training for Hazardous Waste Workers

40 Hours Training

July 22 - 26, 1991

---



*James H. ...*

---



# *Certificate of Attendance*

*This certifies that*

*Michael McDonough*

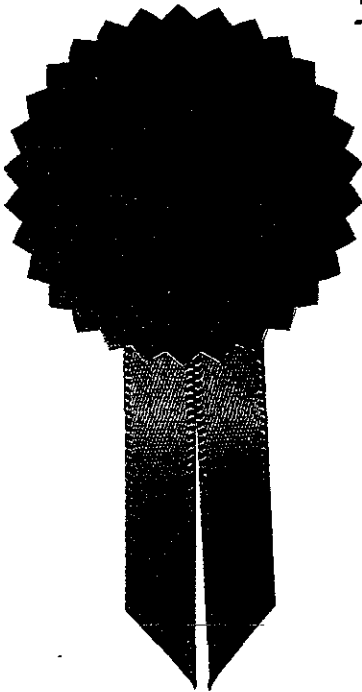
*has completed forty hours of*

*Hazardous Waste Site Operations Training*

*and has passed a comprehensive examination  
in accordance with 29 CFR 1910.120*

*June 26, 27, 28 & 29 of 1991*

*San Mateo, California*



*Presented by:*

*Environmental & Safety Resources*

*Joel Wong*

*LEAD INSTRUCTOR: JOEL WONG, CIH, CSP*



---

***CERTIFICATE OF TRAINING***

*PRESENTED TO*

**MICHAEL F. MCDONOUGH**

---

***FOR HAVING SUCCESSFULLY COMPLETED***

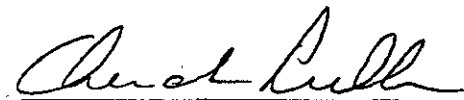
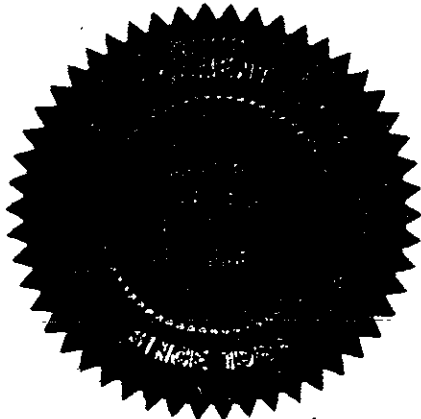
***A TRAINING COURSE IN***

**OSHA 8-Hour Supervisor Training**

---

*PRESENTED BY*

***NETWORK ENVIRONMENTAL SYSTEMS, SM, INC.***



---

*NES Coordinating Trainer*

**July 18, 1991**

---

*Date*

**NES**<sup>SM</sup>

---

***CERTIFICATE OF TRAINING***

***PRESENTED TO***

**PHILIP MICHAEL MCNALLY**

---

***FOR HAVING SUCCESSFULLY COMPLETED***

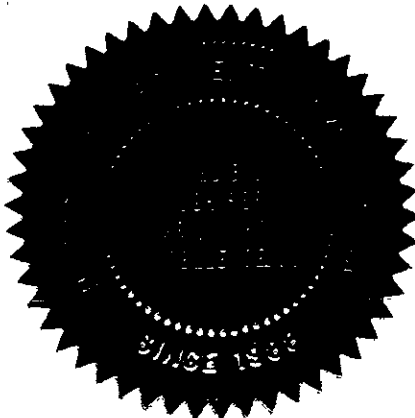
***A TRAINING COURSE IN***

**40-Hour Hazardous Waste Operations Training**

---

***PRESENTED BY***

***NETWORK ENVIRONMENTAL SYSTEMS,<sup>SM</sup> INC.***



*Art Bull*

---

*NES Coordinating Trainer*

**September 23-27, 1991**

---

*Date*

*Jay L. Rubik*

---

ENVIRONMENTAL & SAFETY RESOURCES  
500 Laurelwood Rd., Suite 1  
Santa Clara, CA 95054



ESR Program Certification #: S90-214

Expiration Date: February 11, 1991

Verified By: M. Justice Fernandez

**HAZARDOUS WASTE SITE OPERATION  
TRAINING**

This card certifies that  
**Larry Braybrooks**

---

has completed 40 hours of

Hazardous Waste Site Operation Training  
in accords to 29 CFR 1910.120

# *Certificate of Attendance*

*This certifies that*

*Eric P. Berg*

*has completed forty hours of*

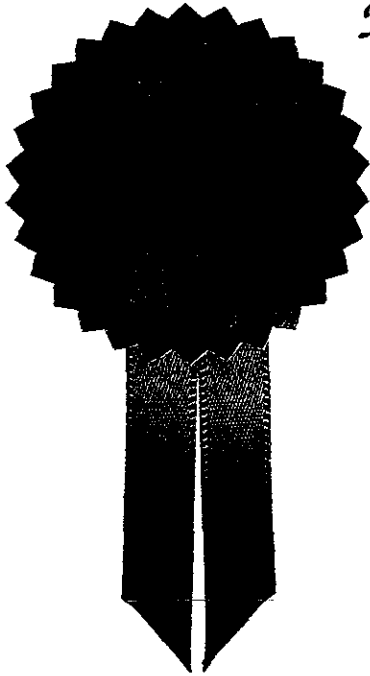
*Hazardous Waste Site Operations Training*

*and has passed a comprehensive examination*

*in accordance with 29 CFR 1910.120*

*June 26, 27, 28 & 29 of 1991*

*San Mateo, California*



*Presented by:*

*Environmental & Safety Resources*

*LEAD INSTRUCTOR: JOEL WONG, CIH, CSP*

**STATE  
COMPENSATION  
INSURANCE  
FUND**

P.O. BOX 807, SAN FRANCISCO, CA 94101-0807

**CERTIFICATE OF WORKERS' COMPENSATION INSURANCE**

APRIL 27, 1992

POLICY NUMBER: 1278419-92  
CERTIFICATE EXPIRES: ~~XXXXXX~~ 4-1-93  
COVERAGE DATES: 4-28-92/4-1-93

ALAMEDA COUNTY DEPT OF ENVIRONMENTAL  
HEALTH HAZ. MATERIAL DIVISION  
80 SWAN WAY RM. 200  
OAKLAND, CA 94621

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon ten days' advance written notice to the employer.

We will also give you TEN days' advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

  
PRESIDENT

Individual Employers and Husband  
and Wife Employers are not eligible  
for benefits as employees  
under this policy.

EMPLOYER

MICHAEL FRANCIS MC DONOUGH AND LIZBETH ANNE MC DONOUGH  
M & M EQUIPMENT  
452 MANN - NOLTA RIDGE ROAD  
CHICO, CA 95926

203  
ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
HAZARDOUS MATERIALS DIVISION  
80 SWAN WAY, ROOM 200  
OAKLAND, CA 94621  
PHONE NO. 415/271-4320

Project Specialist (print)

UNDERGROUND TANK CLOSURE PLAN

\* \* \* Complete according to attached instructions \* \* \*

1. Business Name E.C. BUEHRER & Associates, INC.  
Business Owner Neil Hamce
  2. Site Address 1061 EASTSHORE HIGHWAY  
City Albany Zip 94710 Phone (415) 527-1161
  3. Mailing Address 1061 EASTSHORE HIGHWAY  
City BERKELEY Zip 94710 Phone (415) 527-1161
  4. Land Owner BAYPORT INVESTORS, INC.  
Address 1061 EASTSHORE HWY City, State ALBANY CA Zip 94710
  5. Generator name under which tank will be manifested \_\_\_\_\_  
E.C. BUEHRER
- EPA I.D. No. under which tank will be manifested CAC 000 644 656

6. Contractor M & M EQUIPMENT  
Address 452 MANN-NOLTA RIDGE RD  
City CHICO Phone (916) 343-2502  
License Type GEN. ENGINEERING, ID# 486032  
CLASS A

7. Consultant AEGIS ENVIRONMENTAL, INC.  
Address 1050 MELODY LN STE. 160  
City ROSEVILLE Phone (916) 782-2110

8. Contact Person for Investigation  
Name LARRY BRAYBROOKS Title PROJECT GEOLOGIST  
Phone (916) 782-2110

9. Number of tanks being closed under this plan 1  
Length of piping being removed under this plan 25'  
Total number of tanks at facility 1

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

\*\* Underground tanks are hazardous waste and must be handled \*\*  
as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name NG Chemical EPA I.D. No. CAD-980-675896  
Hauler License No. 1165 License Exp. Date 4-30-92  
Address 1495 Industrial Ave  
City San Jose State CA Zip 95112

b) Product/Residual Sludge/Rinsate Disposal Site

Name Erickson EPA I.D. No. CAD-009-466-392  
Address 255 Parr Blvd.  
City Richmond State CA Zip 94801



c) Tank and Piping Transporter

Name NG CHEMICAL EPA I.D. No. CAD-980-675896  
Hauler License No. 1165 License Exp. Date 4-30-92  
Address 1495 INDUSTRIAL AVE  
City SAN JOSE State CA Zip 95112

d) Tank and Piping Disposal Site

Name ERICKSON EPA I.D. No. CAD-009-466-392  
Address 255 PARR BLVD.  
City RICHMOND State CA Zip 94801

11. Experienced Sample Collector

Name LARRY BRAYBROOKS  
Company AEGIS ENVIRONMENTAL, INC.  
Address 1050 MELODY LANE STE 160  
City ROSEVILLE State CA Zip 95678 Phone (916) 7822110

12. Laboratory

Name National Environmental Testing, Pacific INC.  
Address 435 Tesconi Circle  
City Santa Rosa State CA Zip 95401  
State Certification No. 1386

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

If yes, describe. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

14. Describe methods to be used for rendering tank inert

VAPOR FREEING USING DRY ICE

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be plugged.

The Bay Area Air Quality Management District (771-6000), along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of explosion proof combustible gas meters to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas meter on site to verify tank inertness.

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
		soil and groundwater if present.	excavation side walls to be sampled following remedial over excavation

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

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated)  <i>1000 yds<sup>3</sup></i>	Sampling Plan  <i>1 composite per 50 yds<sup>3</sup></i>

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

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.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
<i>motor oil oil and grease</i>	<i>5520 E, F</i>		<del>tab</del> <i>50.0 ppm</i>

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

18. Submit Worker's Compensation Certificate copy

Name of Insurer STATE FUND

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

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

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

I declare that to the best of my knowledge and belief 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 an approval from the Department of Environmental Health 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.

Signature of Contractor

Name (please type) MICHAEL F MCDONOUGH

Signature [Handwritten Signature]

Date 10/9/91

X Signature of Site Owner or Operator

Name (please type) NEAL HANRE

Signature [Handwritten Signature]

Date 10-9-91

## 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.

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

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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 HAZARDOUS MATERIALS DIVISION

Effective January 1, 1991

UNDERGROUND STORAGE TANK FEE SCHEDULE

# OF CONTAINERS	ANNUAL FEE (TO REGISTER)	REMOVAL/INSTALLATION/ MODIFICATION FEE
1	\$144	\$ 432
2	214	642
3	285	855
4	358	1074
5	428	1284
6	493	1479
7	557	1671
8	621	1863
9	685	2055
10	750	2250
11	806	2418
12	864	2592
13	920	2760
14	978	2934
15	1035	3105
16	1091	3273
17	1149	3447
18	1206	3618
19	1263	3789
20	1320	3960
21+	1320 + \$51/Additional	multiply annual fee

**REGULATION 8  
ORGANIC COMPOUNDS  
RULE 40  
AERATION OF CONTAMINATED SOIL  
AND  
REMOVAL OF UNDERGROUND STORAGE TANKS**

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**REGULATION 8  
ORGANIC COMPOUNDS  
RULE 40  
AERATION OF CONTAMINATED SOIL  
AND  
REMOVAL OF UNDERGROUND STORAGE TANKS  
(Adopted July 16, 1986)**

- 8-40-100 GENERAL**
- 8-40-101 Description:** The purpose of this Rule is to limit the emission of organic compounds from soil that has been contaminated by organic chemical or petroleum chemical leaks or spills; to describe an acceptable soil aeration procedure; and to describe an acceptable procedure for controlling emissions from underground storage tanks during removal or replacement. (Amended February 15, 1989)
- 8-40-110 Exemption, Storage Piles:** Calculations of aeration volume under Section 8-40-204 shall not include storage piles that are covered per Section 8-40-303; nor shall they include active storage piles.
- 8-40-111 Exemption, Excavated Hole:** The exposed surfaces of an excavated hole shall not be included in calculations of aerated volume under Section 8-40-204.
- 8-40-112 Exemption, Sampling:** Contaminated soil exposed for the sole purpose of sampling shall not be considered to be aerated. Removal of soil for sampling shall not qualify a pile as "active."
- 8-40-113 Exemption, Non-volatile Hydrocarbons:** The requirements of all sections of this Rule shall not apply if the soil is contaminated solely by a known organic chemical or petroleum liquid, and that chemical or liquid has an initial boiling point of 302°F or higher, provided that the soil is not heated. (Amended February 15, 1989)
- 8-40-114 Exemption, Soil Excavation During Pipeline Leak Repairs:** The requirements of Section 8-40-402 shall not apply if soil is being excavated in order to repair leaking pipelines and if no more than 5 cubic yards are generated, and provided the requirements in Section 8-40-404 are satisfied. (Adopted February 15, 1989)
- 8-40-115 Exemption, Soil Excavation Unrelated to Underground Storage Tank Activities:** The requirements of Section 8-40-402 shall not apply where contaminated soil is discovered during excavations unrelated to underground storage tank activities, and provided the requirements in Section 8-40-405 are satisfied. (Adopted February 15, 1989)
- 8-40-200 DEFINITIONS**
- 8-40-201 Active Storage Pile:** A pile of contaminated soil to which soil is currently being added or from which soil is currently being removed. Activity must have occurred or be anticipated to occur within one hour to be current.
- 8-40-202 Aeration:** Exposure of excavated contaminated soil to the air.
- 8-40-203 Aeration Depth:** The smaller of the following: the actual average depth of contaminated soil; or 0.15 meters (0.5 feet) multiplied by the daily frequency with which soil is turned. (Amended February 15, 1989)
- 8-40-204 Aeration Volume:** The volume of soil being aerated shall be calculated as follows: the exposed surface area (in square feet or square meters) shall be multiplied by the aeration depth. The exposed surface area includes the pile of excavated soil unless the pile is covered per Section 8-40-303. (Amended February 15, 1989)
- 8-40-205 Contaminated Soil:** Soil which has an organic content, as measured using the procedure in Section 8-40-802, exceeding 50 ppm(wt).

- 310.2 All liquids and sludges shall be removed, to the extent possible, from the tank. A hand pump shall be used to remove the bottom few inches of product necessary.
- 310.3 Vapors shall be removed from the tank using one of the following three methods:
  - 3.1 The tank may be filled with water, displacing vapors and hydrocarbon liquids. Water used for this purpose must be collected and/or disposed of in a manner approved by the APCO.
  - 3.2 Vapor freeing.
  - 3.3 Ventilation.

(Amended February 15, 1989)

- 8-40-311 **Vapor Freeing:** No person shall vapor free a tank containing more than 0.001 gallons of liquid organic compounds per gallon of tank capacity unless emissions of organic compounds to the atmosphere are reduced by at least 90%.
- 8-40-312 **Ventilation:** No person shall ventilate a tank containing more than 0.001 gallons of liquid organic compounds per gallon of tank capacity unless emissions of organic compounds to the atmosphere are reduced by at least 90%.

#### 8-40-400 ADMINISTRATIVE REQUIREMENTS

- 8-40-401 **Reporting, Removal or Replacement of Tanks:** The person responsible for the removal or replacement of tanks which are subject to the provisions of Sections 8-40-310 shall provide written notice to the APCO of intention to remove or replace tanks. The written notice shall be postmarked at least 5 days prior to commencement of such removal or replacement. In the case of emergency removal or replacement of tanks, notice shall be provided as early as possible prior to the commencement of such emergency removal or replacement, to be followed by written verification. The written notice of intention shall include:
  - 401.1 Names and addresses of persons performing and responsible for the tank removal or replacement
  - 401.2 Location of site at which tank removal or replacement will occur
  - 401.3 Scheduled starting date of tank removal or replacement. The scheduled starting date may be delayed for no more than 5 working days, provided the APCO is notified by telephone as early as possible prior to the new starting date.
  - 401.4 Procedures to be employed to meet the requirements of Sections 8-40-310.
  - 401.5 If applicable, name, title and authority of the state or local government representative who has ordered a tank removal or replacement which is subject to emergency procedures.

(Adopted, February 15, 1989)

- 8-40-402 **Reporting, Excavation of Soil:** The person responsible for the excavation of soil subject to the provisions of Sections 8-40-301 or 302 shall provide written notice to the APCO of intention to excavate. The written notice shall be postmarked at least 5 days prior to commencement of such excavation. In the case of emergency excavations, notice shall be provided as early as possible prior to the commencement of such emergency excavation, to be followed by written verification. Written notice of intention to excavate may be submitted to the APCO at the same time written notice of intention to remove or replace tanks is submitted provided that such notification precedes the commencement of either tank removal or replacement or soil excavation by at least 5 days as indicated by postmark. The written notice of intention shall include:
  - 402.1 Names and addresses of persons performing and responsible for excavation.
  - 402.2 Location of site at which excavation will occur.



601.2 Each 50 cubic yard pile for which a composite sample is required shall be considered to have four equal sectors. One sample shall be taken from the center of each sector. Samples shall be taken from at least three inches below the surface of the pile. Samples shall be taken using one of the following methods:

1.1 Samples shall be taken using a driven-tube type sampler, capped and sealed with inert materials, and extruded in the lab in order to reduce the loss of volatile materials; or

1.2 Samples shall be taken using a clean brass tube (at least three inches long) driven into the soil with a suitable instrument. The ends of the brass tube shall then be covered with aluminum foil, then plastic end caps, and finally wrapped with a suitable tape. The samples shall then be immediately placed on ice, or dry ice, for transport to a laboratory.

(Amended February 15, 1989)

**8-40-602 Measurement of Organic Content:** Organic content of soil shall be determined by the Regional Water Quality Control Board's Revised Analytical Methods, Attachment 2, 11/8/85, any other method approved by the APCO, or EPA Reference Method 8010 or 8015.

(Amended February 15, 1989)

**8-40-603 Determination of Emissions:** Emissions of organic compounds as specified in Sections 8-40-302, 8-40-311 and 8-40-312, shall be measured as prescribed in the Manual of Procedures, Volume IV, ST-7.

(Amended February 15, 1989)

Property owner: Bayport Investors, Inc.  
1061 Eastshore Highway  
Albany 94710  
Attn: Mac Neil Hamre

DATE: 2/21/92  
TO : Local Oversight Program  
FROM: Jeff  
SUBJ: Transfer of Eligible Oversight Case

Neil Hamre  
E.C. Buehler & Assoc. Inc.  
1061 Eastshore Highway

Consultant Regis Environmental Services  
Larry Braybrooke  
1050 Melody Lane Suite 160  
Roseville CA 95678

Site name: Buehler, Inc.  
Address: 1061 Eastshore Hwy City Albany Zip 94710

Closure plan attached?  Y N DepRef remaining \$ 235.60

DepRef Project # 496 STID #(if any) 1323

Number of Tanks: 2 removed? Y  N Date of removal 2/18/88

Leak Report filed?  Y N Date of Discovery 2/18/89

Samples received?  Y N Contamination: Yes

Petroleum  Y N Types: Avgas Jet, leaded unleaded Diesel  
fuel oil waste oil kerosene solvents

Monitoring wells on site 0 Monitoring schedule?  Y N

LUFT category 1 2 3 \* H S C A R W G O

Briefly describe the following:

Preliminary Assessment Contamination is present

Remedial Action See Plan dated 8/1/91

Post Remedial Action Monitoring \_\_\_\_\_

Enforcement Action \_\_\_\_\_  
(CILEC Report 6/12/90).

Heavy Metals discovered, Pb, Cd, Cr, and Zn, in soil bore samplings in initial Report, but NOT DISCUSSED IN LATER Reports - where did the soil go? HAVE THE CONSULTING FIRM Send a copy of THE CLOSURE PLAN FOR THE 2 TANKS REMOVED on 2/18/88. ALSO, the PRESENT CLOSURE PLAN is FOR A WASTE OIL TANK, BUT THE REPORTS ONLY mention the presence of a 1000-gal SW UST on the site, SEE REPORT DATED 6/12/90 AND UST CLOSURE PLAN.

1. CALL CONSULTANTS AND DISCUSS ABOVE DETAILS!
2. ALSO REQUIRE MORE MONEY TO BE DEPOSITED

Filed ULR 7/28/89

## APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)  
 ( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

## I OWNER

NAME (CORPORATION, INDIVIDUAL OR PUBLIC AGENCY) CHEMCENTRAL/SAN FRANCISCO		PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL	
STREET ADDRESS 31702 HAYMAN STREET	CITY HAYWARD	STATE CA	ZIP 94544

## II FACILITY

FACILITY NAME CHEMCENTRAL/SAN FRANCISCO		DEALER/FOREMAN/SUPERVISOR ROBERT DINNEEN	
STREET ADDRESS 31702 HAYMAN STREET		NEAREST CROSS STREET ZEPHYR	
CITY HAYWARD		COUNTY ALAMEDA	ZIP 94544
MAILING ADDRESS 31702 HAYMAN STREET		CITY HAYWARD	STATE CA ZIP 94544
PHONE W/AREA CODE 415-471-5420	TYPE OF BUSINESS ( ) 01 GASOLINE STATION (X) 02 OTHER CHEMICAL DISTRIBUTOR		
NUMBER OF CONTAINERS 50	RURAL AREAS ONLY :	TOWNSHIP	RANGE SECTION

## III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME (LAST NAME FIRST) AND PHONE W/AREA CODE DINNEEN, ROBERT B.	NIGHTS: NAME (LAST NAME FIRST) AND PHONE W/AREA CODE DINNEEN, ROBERT B. 415-681-5626
--	---

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

## IV DESCRIPTION

A. (X) 01 TANK ( ) 04 OTHER:	CONTAINER NUMBER 17
B. MANUFACTURER (IF APPROPRIATE): BUTLR	YEAR MFG: 1964 C. YEAR INSTALLED 1964 ( ) UNKNOWN
D. CONTAINER CAPACITY: 4000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: ( ) 01 WASTE (X) 02 PRODUCT
F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? ( ) 01 YES (X) 02 NO IF YES CHECK APPROPRIATE BOX(ES): ( ) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM ( ) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER	

## V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: 1/4 ( ) GAUGE (X) INCHES ( ) CM ( ) UNKNOWN
B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) (X) 02 NON-VAULTED ( ) 03 UNKNOWN
C. ( ) 01 DOUBLE WALLED (X) 02 SINGLE WALLED ( ) 03 LINED
D. (X) 01 CARBON STEEL ( ) 02 STAINLESS STEEL ( ) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE ( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC ( ) 12 UNKNOWN ( ) 13 OTHER:



AEGIS ENVIRONMENTAL, INC.

LETTER OF TRANSMITTAL

Check Return Address Block:

- 1050 Melody Lane, Suite 160  
Roseville, Ca. 95678
- 8196 S W Hall Blvd, Suite 300  
Beaverton, Oregon 97005
- 1175 Fair View, Suite H  
Carson City, Nevada 89701

Date: 2/20/92 Project # 90-007  
 Attention: LARRY SETO  
 Subject: QUARTERLY GROUNDWATER  
 MONITORING REPORT  
 E.C. BUEHRER + ASSOCIATES  
 1061 EASTSHORE HIGHWAY  
 ALBANY CALIFORNIA

TO: ALAMEDA COUNTY DEPT. HEALTH SERV.  
 80 SWAN WAY, ROOM 200  
 OAKLAND, CA 94621

We Are Sending:  Enclosed  Under Separate Cover Via \_\_\_\_\_

- The Following:
- Draft Report / Letter
  - Final Report / Letter
  - Cost Estimate
  - Regulatory Correspondance
  - Laboratory Analytical Results
  - \_\_\_\_\_

These Are Transmitted As Checked Below:

- For Approval
- As Requested
- For Your Use
- For Your Information
- For Review And Comment
- Per Our Telephone Conversation
- Approved As Submitted

92 FEB 27 11:11 AM '92

Copies Were Sent To:  None  The Following:

- 1) Neil Hawitz, E.C. Buehrer + Associates
- 2) Lester Feldman, CRWQCB - San Francisco Bay Region
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_
- 5) \_\_\_\_\_

This Document Was Sent Via:

- First Class Mail
- Airbone Express
- Express Mail
- Federal Express
- Federal Express / 2nd Day Air
- Federal Express / Surface

Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Signed: Deanne W. Gandy

inB  
ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
HAZARDOUS MATERIALS DIVISION  
80 SWAN WAY, ROOM 200  
OAKLAND, CA 94621  
PHONE NO. 415/271-4320

Larry Seto,

Enclosed is self addressed and stamped envelope for you to mail my receipt.

Thank you for picking up the paper work at the City of Albany.

Philip H. McNally  
(916) 342 17581

UNDERGROUND TANK CLOSURE PLAN

\* \* \* Complete according to attached instructions \* \* \*

1. Business Name E.C. RUEHRER & Associates, INC.

Business Owner Neil Hamre

2. Site Address 1061 EASTSHORE HIGHWAY

city Albany zip 94710 Phone (415) 527-1161

3. Mailing Address 1061 EASTSHORE HIGHWAY

city BERKELEY zip 94710 Phone (415) 527-1161

4. Land Owner BAYPORT INVESTORS, INC.

Address 1061 EASTSHORE HWY City, State ALBANY CA zip 94710

5. Generator name under which tank will be manifested \_\_\_\_\_

E.C. RUEHRER

EPA I.D. No. under which tank will be manifested CAC 000 644 650

Project Specialist (print)

91 OCT 11 11:11:33  
11 13016

AEGIS ENVIRONMENTAL, INC.  
 1050 Melody Lane, Suite 160  
 Roseville, California 95678  
 916/782-2110 Fax 916/786-7830

**Attn** Mr. Larry Seto  
**Organization** Alameda County Dept. of Env Health  
**Address** 80 Swan Way Room 200  
 Oakland, CA 94621

**From** Larry Braybrooks **Date** 8/21/91  
**Project Name/No.** E.C. Buehler, Inc. / 90-007  
**Subject** Soil Remediation Workplan

**We are sending**

A copy of our soil remediation workplan. Upon your approval of this work plan, we will begin scheduling of the work.

- Enclosed
- Under separate cover via .....
- As**
- You requested .....
- Per our telephone conversation .....
- Is required
- We believe you may be interested

**Comments**

91 AUG 26 AM 11:42

- Via**
- First Class Mail
  - Federal Express
  - Courier
  - UPS / next day air
  - UPS / 2nd day air
  - UPS / surface

- For**
- Your information
  - Your use
  - Return to you
- Please**
- Keep this material
  - Return by .....
  - Acknowledge receipt

**To:** Mr. Larry Seto  
**Organization:** Alameda County Dept. of Env. Health  
**Address:** 80 Swan Way, Room 200  
 Oakland, CA 94621

**From:** Larry Braybrooks  
**Date:** 8/12/91  
**Project Name / No.:** E.C. Buehrer, Inc. / 90-007  
**Subject:** Problem Assessment Report

**We are sending**

A copy of our problem assessment report. This report recapitulates all work performed at the site and presents our findings based on the investigative work performed.

- Enclosed
  - Under separate cover via .....
  - As**
  - You requested .....
  - Per our telephone conversation .....
  - Is required
  - We believe you may be interested
- 91 AUG 13 PM 12:52

**Comments**

- Via**
- First Class Mail
  - Federal Express
  - Courier
  - UPS / next day air
  - UPS / 2nd day air
  - UPS / surface

- For**
- Your information
  - Your use
  - Return to you
- Please**
- Keep this material
  - Return by .....
  - Acknowledge receipt

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Program  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(415)

February 27, 1991

Mr. Clayton Johnson  
E. C. Buehrer, Inc.  
1061 Eastshore Hwy.  
Berkeley, CA 94710

Re: **Phase II Hydrogeologic Assessment Work Plan for Buehrer Albany facility, submitted by Aegis Environmental, Inc.**

Dear Mr. Johnson:

Thank you for submitting the additional deposit funds we had requested for oversight of your project. We have reviewed the Aegis work plan, dated January 9, 1991, which proposes certain tasks according to requirements in a November 20, 1990 letter from this office. This work plan calls for the installation of four borings to be converted to monitoring wells; we have no objection to the locations specified for these borings/wells. However, because the overall goal is to define the downgradient limits of the groundwater contaminant plume, more wells will be required if those to be installed do not accomplish this definition.

The work plan seems unclear on the laboratory analyses to be performed on soil and groundwater samples. In any case, due to what has been found in previous investigations, the following analyses and methods must be included for all soil and groundwater samples:

**Total oil & grease** (method 5520);  
**Total petroleum hydrocarbons as diesel** (methods 3550 and 3510 for soil and groundwater, respectively);  
**Total petroleum hydrocarbons as gasoline** (method 5030 for soil and groundwater); and  
**BTEX/chlorinated hydrocarbons** (methods 8240 and 624 for soil and groundwater).

Finally, in the November 20 letter, we requested a proposal for defining the horizontal extent of shallow soil contamination, and for remediating it. The work plan submitted by Aegis did not address this issue.

Based on the above discussion, please prepare an amended work plan for additional subsurface investigation, to be submitted to this office by **March 27, 1991**. As with all technical documents, copies of this proposal must also be sent to the Regional Water Quality Control Board in Oakland (attention: Lester Feldman).

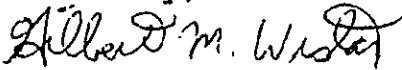


Mr. Clayton Johnson  
February 27, 1991  
Page 2 of 2

Because we are overseeing this site under the designated authority of the Water Board, this letter constitutes a formal request for technical reports, per Sec. 13267(b) of the California Water Code. Failure to respond in a timely manner could result in civil liabilities under the Water Code of up to \$1,000 per day. Other violations of California law may also be cited.

If you have any questions about this letter or about remediation requirements established by the RWQCB, please contact me at 271-4320.

Sincerely,



Gil Wistar  
Hazardous Materials Specialist

cc: Larry Braybrooks, Aegis Environmental Consultants (801 Riverside Ave., Suite C, Roseville, CA 95678)  
Mike Koepke, Albany Fire Dept.  
Lester Feldman, San Francisco Bay RWQCB  
Rafat Shahid, Asst. Agency Director, Environmental Health files

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



November 20, 1990

DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Program  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(415)

Mr. Clayton Johnson  
E.C. Buehrer, Inc.  
1061 Eastshore Hwy.  
Berkeley, CA 94710

**Re: Hydrogeologic investigation report for Buehrer Albany facility,  
submitted by Aegis Environmental Consultants**

Dear Mr. Johnson:

The Alameda County Department of Environmental Health, Hazardous Materials Division has reviewed the above report, dated June 12, 1990. This report conveys the results and recommendations resulting from work performed at the site in April 1990. In summary, the data indicates that: 1) there is significant shallow soil contamination around the four borings that were converted to monitoring wells; 2) except for the diesel found, this hydrocarbon contamination appears to result from on-site activities; 3) groundwater in all four monitoring wells is contaminated with gasoline, diesel, and/or BTEX; and 4) the "zero lines" of soil and groundwater contamination have not been defined.

Based on this information, we are requiring that Buehrer, Inc. take the following general actions.

1. Define the horizontal extent of shallow soil contamination, and remediate it so that this soil will cease to be an ongoing source of pollution to groundwater. This may result in the need to destroy some or all of the existing monitoring wells.
2. Install additional monitoring wells to define the plume of dissolved hydrocarbons beneath the site. In this regard, the locations of wells that Aegis recommends in Fig. 6 of its June 1990 report are insufficient, because additional downgradient wells are needed, extending, if necessary, off-site.
3. Implement quarterly monitoring of all wells at the site, as outlined in previous letters from this office to Buehrer. All wells should have been sampled in July 1990, and must be resampled immediately. Then, from the date of the next sampling, all wells will need to be sampled on a 90-day rotation.

With regard to the remaining underground tank at the facility, please submit a copy of the 1990 precision test to this office. Our records indicate that the last precision test on this tank was conducted in

Mr. Clayton Johnson  
November 20, 1990  
Page 2 of 2

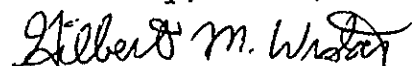
September 1989. In addition, please submit copies of daily inventory reconciliation records for this tank for the past 60 days (September 19 to November 19). State law requires that underground tank operators send to the administering agency summaries of inventory reconciliation records every quarter. We have no such records in our files.

Based on the above discussion, please prepare a work plan for additional subsurface investigation to be submitted to this office no later than **December 21, 1990**. Copies of the proposal must also be sent to the Regional Water Quality Control Board in Oakland (attention: Lester Feldman). By this same date, we are requiring that Buehrer send to this office documents on the existing underground tank, as discussed above. Finally, please remit a deposit of \$400 with these other materials, made out to Alameda County. Existing funds on deposit for this project are nearly depleted. Authorized by Sec. 3-141.6 of the Alameda County Ordinance Code, these funds will cover our continuing oversight of the project, and will be drawn upon at an hourly rate.

Because we are overseeing this site under the designated authority of the Water Board, this letter constitutes a formal request for technical reports, per Sec. 13267(b) of the California Water Code. Failure to respond in a timely manner could result in civil liabilities under the Water Code of up to \$1,000 per day. Other violations of California law may also be cited.

If you have any questions about this letter or about remediation requirements established by the RWQCB, please contact me at 271-4320.

Sincerely,



Gil Wistar  
Hazardous Materials Specialist

cc: Pat Wright, Aegis Environmental Consultants (801 Riverside Ave.,  
Suite C, Roseville, CA 95678)  
Mike Koepke, Albany Fire Dept.  
Lester Feldman, San Francisco Bay RWQCB  
Rafat Shahid, Asst. Agency Director, Environmental Health  
files





AEGIS ENVIRONMENTAL CONSULTANTS  
801 Riverside Avenue, Suite C      Roseville, CA 95678      916 • 782-2110 969-2110

March 19, 1990

*approved verbally  
3/27/90 - work to  
proceed ASAP*

Gilbert M. Wistar, Hazardous Materials Specialist  
Alameda County  
Health Care Services  
Department of Environmental Health  
Hazardous Materials Program  
80 Swan Way, Room 200  
Oakland, California 94621

RE: Subsurface investigation E.C. Beuhrer Associates, Inc. 1061  
Eastshore Highway, Albany, California.

Dear Mr. Wistar:

Aegis Environmental Consultants, Inc. (Aegis) has completed a review of the Hageman-Schank, Inc. "Proposal for Subsurface Investigation" at the above referenced site. The following present a summary of Aegis' evaluation and comments on data and information obtained to date, and recommendations regarding the need to alter the scope of site characterization at the site, proposed by Hageman-Schank, Inc..

**1.0 SITE INSPECTION**

An Aegis representative visited the site on January 24, 1990, and met with Mr. Neal Hamre of E.C. Beuhrer, Inc.. Our inspection of the site, and conversation with Mr. Hamre, revealed E.C. Beuhrer to be engaged in small machine tool manufacturing, distribution and sales. Additionally, some repair of machinery takes place on site. For this purpose, a 1000 gallon single wall fiberglass underground gasoline tank and a 550 gallon double walled, above ground, waste oil tank is maintained at the site. A 550 gallon single wall steel underground waste oil tank and a 1000 gallon single wall steel underground gasoline tank were recently permitted and removed from the site. The tank pit excavation has been backfilled.

The site lies directly east of the Eastshore Highway (Hwy 80) in a commercial area of Albany, California. The San Francisco Bay is adjacent and directly west of the Eastshore Highway. It was indicated by Mr. Hamre that the site rests on bay fill materials, and brackish ground water was encountered at about three feet in the waste oil tank excavation. A former Aluminum processing plant (Alcon) was located east of E.C. Beuhrer site. The Alcon facility has been demolished. A portion of the E.C. Beuhrer site and the Alcon sites are located on property owned by the Southern Pacific Corporation (SP). The E.C. Beuhrer Leasehold is approximately the

west two thirds of the S.P. property. A city of Albany sewer main easement approximately bisects the property in a north-south direction. It was further indicated by Mr. Hamre that Alcon discharged unknown wastes from its processing plant along the southeastern portion of the Alcon Leasehold, which is directly west of the E.C. Beuhrer shop and underground storage tank area. It was also indicated by Mr. Hamre that a former electrical transformer existed just north of the area where the alleged Alcon discharges occurred. The area of the old electrical transformer can be identified in the field by the presence of an old concrete slab. The San Francisco Bay Regional Water Quality Control Board is currently directing the investigation on the Alcon (S.P. property) site. Contaminants identified on the Alcon site include mineral spirits, volatile organic compounds, and an unidentified "Black Ooze". The "Black Ooze" is probably the emulsification of a liquid mixture.

## 2.0 WORK PLAN FILE REVIEW

The Hageman-Schank, Inc. "Proposal for Subsurface Investigation" dated November 16, 1989, involves drilling, sampling and installing three monitoring wells on the E.C. Beuhrer, Inc. site. The client has indicated that the proposed work plan has been submitted to the Alameda County Environmental Health Department. The work plan also summarized ground water sampling data obtained during tank closure. The summary analyses indicated the presence of oil, grease, gasoline constituents and chlorinated hydrocarbons. The chlorinated hydrocarbons are components of degreasing solvents.

## 3.0 RECOMMENDATIONS AND CONCLUSIONS

It is the professional opinion of Aegis Environmental Consultants, Inc. that contamination on the adjacent Alcon site, owned by the Southern Pacific Corporation, has a high likelihood of migrating in the direction of the E.C. Beuhrer, Inc. site. It is Aegis' opinion that the proposed Hageman-Schank, Inc. work plan for the E.C. Beuhrer, Inc. site should be modified to include an evaluation of the potential migration of the Alcon contaminant plume. It is unclear whether all of the contaminants have been identified on the Alcon site. The chlorinated hydrocarbons (degreasing solvents) identified in water samples taken from the waste oil and gasoline tank pits on the E.C. Beuhrer, Inc. site may not be derived from an on-site source. The Hageman-Schank, Inc. proposed work plan submitted to Alameda County should be modified to address the potential migration of contaminants from the Alcon site. Aegis presents the following recommendation regarding future assessment work at the site:

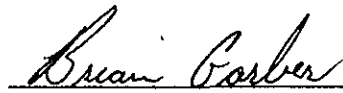
- 1) Install one additional monitoring well on the easterly boundary of the E.C. Beuhrer, Inc. site. The Hageman-Schank, Inc. work plan included three (3) monitoring wells.

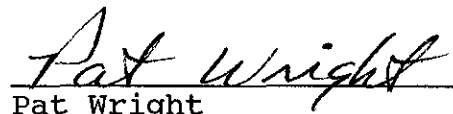
- 2) Aegis recommends that two soil samples be taken, from about three (3) feet below the surface, along the easterly boundary of E.C. Beuhrer, Inc. Leasehold. Aegis recommends analyzing these samples for an E.P.A. "priority pollutant scan" method 8260.
- 3) Aegis recommends that one (1) soil sample be taken, about three (3) feet below the surface, from the area where the old electrical transformer was located. Aegis recommends that this sample be analyzed for PCB's. (See plot plan attached)

Aegis will implement the Hageman-Schank, Inc. work plan with our proposed modifications following the appropriate regulatory approval.

Yours truly,

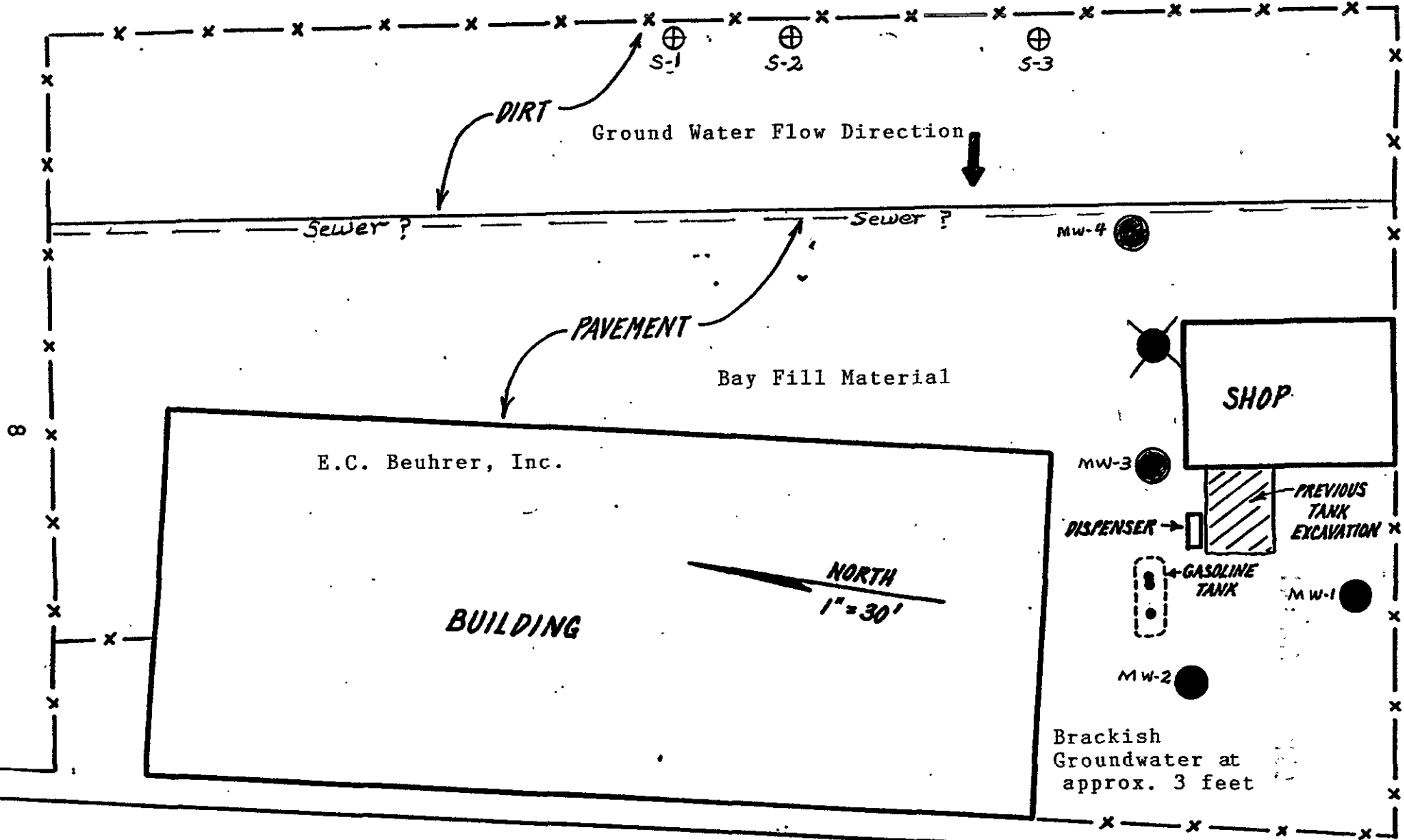
**AEGIS ENVIRONMENTAL CONSULTANTS, INC.**

  
\_\_\_\_\_  
Brian Garber

  
\_\_\_\_\_  
Pat Wright  
Registered Geologist #529

CC: Mr. Neal Hamre  
E.C. Beuhrer Associates, Inc.  
1061 Eastshore Highway  
Albany, California

ALCON SITE



EASTSHORE HIGHWAY

San Francisco Bay

FIGURE 3. Proposed Locations of Monitoring Wells.

HAGEMAN-SCHANK, INC.

10/27/89

2723 Crow Canyon Rd., Suite 210  
San Ramon, CA 94583  
(415) 837-2926

October 20, 1989

Alameda County Health Services  
Department of Environmental Health  
Hazardous Materials Program  
80 Swan Way, Room 200  
Oakland, California 94621  
Atten: Mr. Gil Wistar, Hazardous Materials Specialist

Subject: Buehrer, Inc.  
1061 Eastshore Hwy.  
*Albany* Berkeley, California  
UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE  
CONTAMINATION SITE REPORT

Dear Mr. Wistar;

Please find enclosed the unauthorized release report on the Buehrer, Inc. facility in Albany, Ca.


With respect to your request for a preliminary site assessment work plan to be submitted by November 3, 1989, and since we have only been involved in this project since 10/13/89 we would respectfully request an additional two weeks for the plan preparation. This would give us adequate time to develop the information you have requested.

Because of the extremely high water table and tidal influence in this area, the installation of three groundwater monitoring wells to develop the groundwater gradient and better identify the vertical extent of contamination in the shallow groundwater.

But, we will cover all these items in the work plan to be submitted for your approval. Please advise if the submittal date of November 17, 1989 would be alright with you.

We will proceed now in developing the plan.

Sincerely,  
Hageman-Schank, Inc.

  
Bruce Hageman

Encl:

cc; Mr. Clayt Johnson, Buehrer, Inc.



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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 26180.7 OF THE HEALTH AND SAFETY CODE.	
REPORT DATE 1 <u>M</u> 0 <u>M</u> 2 <u>D</u> 0 <u>D</u> 8 <u>Y</u> 9 <u>Y</u>		CASE #			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT <b>BRUCE HAGEMAN</b>		PHONE (415) 837-2926	SIGNATURE <i>Bruce Hageman</i>	
	REPRESENTING <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OTHER		COMPANY OR AGENCY NAME <b>BUEHRER, INC.</b>		
	ADDRESS <b>1061 EASTSHORE HIGHWAY</b> CITY <b>ALBANY</b> STATE <b>CA</b> ZIP <b>94710</b>				
RESPONSIBLE PARTY	NAME <b>CLAYT JOHNSON</b> <input type="checkbox"/> UNKNOWN		CONTACT PERSON <b>CLAYT JOHNSON</b>	PHONE (415) 527-1161	
	ADDRESS <b>1061</b> STREET <b>EASTSHORE HWY.</b> CITY <b>ALBANY</b> STATE <b>CA</b> ZIP <b>94710</b>				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) <b>BUEHRER, INC.</b>		OPERATOR <b>CLAYT JOHNSON</b>	PHONE (415) 527-1161	
	ADDRESS <b>1061</b> STREET <b>EASTSHORE HIGHWAY</b> CITY <b>BERKELEY</b> STATE <b>CA</b> ZIP <b>94710</b>				
	CROSS STREET <b>N/A</b>	TYPE OF AREA <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input checked="" type="checkbox"/> RURAL <input type="checkbox"/> RESIDENTIAL <input type="checkbox"/> OTHER		TYPE OF BUSINESS <input type="checkbox"/> RETAIL FUEL STATION <input type="checkbox"/> FARM <input type="checkbox"/> OTHER	
IMPLEMENTING AGENCIES	LOCAL AGENCY AGENCY NAME <b>ALAMEDA COUNTY ENVIR. HEALTH</b>		CONTACT PERSON <b>GIL WISTAR</b>	PHONE (415) 271-4320	
	REGIONAL BOARD <b>SAN FRANCISCO BAY</b>		<b>LES FELDMAN</b>	PHONE (415) 464-1255	
SUBSTANCES INVOLVED	(1) NAME <b>GASOLINE</b>		QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN		
	(2) NAME <b>WASTE OIL</b>		<input checked="" type="checkbox"/> UNKNOWN		
DISCOVERY/ABATEMENT	DATE DISCOVERED 0 <u>M</u> 2 <u>M</u> 1 <u>D</u> 8 <u>D</u> 8 <u>Y</u> 9 <u>Y</u>	HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER			
	DATE DISCHARGE BEGAN M M D D Y Y <input checked="" type="checkbox"/> UNKNOWN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER			
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 0 <u>M</u> 2 <u>M</u> 1 <u>D</u> 8 <u>D</u> 8 <u>Y</u> 9 <u>Y</u>				
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		TANKS ONLY/CAPACITY <u>500</u> GAL. AGE <u>8</u> YRS <input checked="" type="checkbox"/> UNKNOWN	MATERIAL <input type="checkbox"/> FIBERGLASS <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> OTHER	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> SPILL <input type="checkbox"/> OTHER
	CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) <input type="checkbox"/> CLEANUP IN PROGRESS <input type="checkbox"/> SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> NO FUNDS AVAILABLE TO PROCEED <input checked="" type="checkbox"/> EVALUATING CLEANUP ALTERNATIVES				
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> OTHER (OT) <b>SITE ASSESSMENT</b>				
COMMENTS					

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Certified Mailer #: P 062 127 675

DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Program  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(415)

October 6, 1989

Mr. Clayt Johnson  
Buehrer, Inc.  
1061 Eastshore Hwy.  
Berkeley, CA 94710

**NOTICE OF VIOLATION, Buehrer, Inc. Albany facility**

Dear Mr. Johnson:

On July 26, 1989, the Alameda County Department of Environmental Health, Hazardous Materials Division, sent you a letter regarding the contamination found during the removal of two underground tanks from the above facility. In that letter, we requested that you submit a work plan to this office by September 1, 1989. As of the date of this letter, we have not received a plan to characterize soil and groundwater, nor have we received any communication regarding this issue. Therefore, this letter constitutes a second notice that a work plan and the preliminary assessment resulting from this plan are due. In addition, this office has not received an Unauthorized Release Report, as requested in the July 26 letter; this form must be filled out and sent to this office immediately.

According to Sec. 25298 of the California Health and Safety Code, underground storage tank closure is incomplete until the responsible party characterizes and remediates the contamination resulting from product discharge. Buehrer, Inc. is in violation of this section of the Code, for which Sec. 25299 specifies civil penalties of up to \$5,000, for each day the violation continues. Failure to furnish technical reports regarding documented groundwater contamination also violates Section 13268 of the California Water Code, and the Regional Water Quality Control Board can impose fines of up to \$1,000 per day.

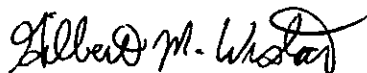
Please submit a work plan for the Buehrer facility to this office by **Friday, November 3, 1989**. A report describing the results of work performed at the site is due exactly five weeks after this date. The work plan should be designed to accomplish the objectives listed on the enclosure sent in the July 26 letter. In summary, the preliminary assessment must address the potential for contamination to have affected both soil and groundwater in the vicinity of the former tank pit. No soil samples appear to have been collected at the time of tank removal, so there is currently no information on soil concentrations of hydrocarbons. Monitoring wells will also be

Mr. Clayt Johnson  
October 6, 1989  
Page 2 of 2

required. You will need to secure the services of a professional consultant to address these issues.

Should you have any questions about this letter or about remediation requirements established by the RWQCB, please contact the undersigned, at 271-4320.

Sincerely,



Gil Wistar  
Hazardous Materials Specialist

cc: Mike Koepke, Albany FD  
Doug Krause, DOHS  
Lester Feldman, San Francisco Bay RWQCB  
Gil Jensen, District Attorney, Alameda County Consumer  
and Environmental Protection Division  
Ed Howell, Acting Chief  
files

P 062 127 675

RECEIPT FOR CERTIFIED MAIL  
NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

Sent to	
Street and No	
P.O. State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Registered Mails Fee	
Postage and Fees	\$
Postmark or Date	

PS Form 3800 (1-78)

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



July 26, 1989

DEPARTMENT OF ENVIRONMENTAL HEALTH  
Hazardous Materials Program  
80 Swan Way, Rm. 200  
Oakland, CA 94621  
(415)

Mr. Clayt Johnson  
Buehrer, Inc.  
1061 Eastshore Hwy.  
Berkeley, CA 94710

Re: March 1988 sampling results from removal of underground storage tanks, Buehrer, Inc. facility, Albany

Dear Mr. Johnson:

Thank you for sending sampling results to this office per the request of Gil Wistar of my staff. Judging by the notations in the project file, these analytical data were apparently never received by our office. After our review of the results, we have determined that contaminants above regulatory thresholds were present at the time of tank removal, and that Buehrer must conduct a preliminary assessment to determine if contamination has spread, and if so, how far.

The San Francisco Bay Regional Water Quality Control Board (RWQCB) has established contaminant thresholds for soil and water samples above which large releases of hydrocarbons are likely to have occurred. For soil samples taken during underground tank removal this level is 100 ppm. For water samples (required to be collected if water is standing in the tank pit), the threshold is "non-detect"; that is, any hydrocarbons detected in groundwater are judged to be evidence of large releases. Title 23 of the California Code of Regulations requires all such releases from underground tanks to be reported. An unauthorized release report (blank copy enclosed) must therefore be filed with this office within five days of the date of this letter; in addition, as mentioned above, you must initiate investigation and/or cleanup activities at this site.

The preliminary assessment should be designed to determine the extent of soil and groundwater contamination that has resulted from the leaking tank(s). The information gathered by this investigation will be used to assess the need for additional actions at the site. The assessment should provide all of the information, in the format shown, in the attachment at the end of this letter. This format is based on RWQCB guidelines. You should be prepared to install one monitoring well, if you can verify the direction of groundwater flow in the immediate vicinity of the site, and three wells otherwise.

Mr. Clayt Buehrer  
July 26, 1989  
Page 2 of 2

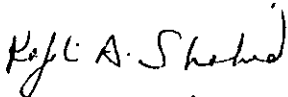
Until cleanup is complete, you will need to submit reports to this office and to the RWQCB every three months (or at a more frequent interval, if specified at any time by either agency). These reports should include information pertaining to further investigative results; the methods and costs of cleanup actions implemented to date; and the method and location of disposal of any contaminated material.

Soils contaminated at hazardous waste concentrations should be transported by a licensed hazardous waste hauler and disposed of or treated at a facility approved by the California Department of Health Services. Soils contaminated below the hazardous waste threshold may be managed as nonhazardous, but are still subject to the RWQCB's waste discharge requirements.

Your work plan should be submitted to this office by **September 1, 1989**. Copies of the proposal should also be sent to the RWQCB (attention: Dyan Whyte). You may implement remedial actions before approval of the work plan, but final concurrence by this office will depend on the extent to which the work done meets the requirements described in this letter.

If you have any questions about this letter or about remediation requirements established by the RWQCB, please contact Gil Wistar, Hazardous Materials Specialist, at 271-4320.

Sincerely,



Rafat A. Shahid, Chief  
Hazardous Materials Division

RAS:GW:gw

enclosures

cc: Howard Hatayama, DOHS (w/o enclosures)  
Dyan Whyte, San Francisco Bay RWQCB (w/o enclosures)  
Gil Jensen, District Attorney, Alameda County Consumer and  
Environmental Protection Agency (w/o enclosures)  
files

## WORK PLAN REQUIREMENTS FOR AN INITIAL SUBSURFACE INVESTIGATION

This outline should be followed by professional engineering or geologic consultants in preparing work plans to be submitted to the RWQCB and local agencies. Work plans must be signed by a California-registered engineer or geologist.

This outline should be referred to in context with the "Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks" (June 2, 1988).

### PROPOSAL FORMAT

#### I. Introduction

A. State the scope of work

B. Provide information on site location, background, and history

1. Describe the type of business and associated activities that take place at the site, including the number and capacity of operating tanks.
2. Describe previous businesses at the site.
3. Provide other tank information:
  - number of underground tanks, their uses, and construction material;
  - filing status and copy of unauthorized release form, if not previously submitted;
  - previous tank testing results and dates, including discussion of inventory reconciliation methods and results for the last three years.
4. Other spill, leak, and accident history at the site, including any previously removed tanks.

#### II. Site Description

A. Describe the hydrogeologic setting of the site vicinity

B. Prepare a vicinity map (including wells located on-site or on adjoining lots, as well as any nearby streams

C. Prepare a site map

D. Summarize known soil contamination and results of excavation

1. Provide results in tabular form and indicate location of all soil samples (and water samples, if appropriate). Sample dates, the identity of the sampler, and signed laboratory data sheets need to be included, if not already in possession of the County.
2. Describe any unusual problems encountered.
3. Describe methods for storing and disposing of all contaminated soil.

### III. Plan for Determining Extent of Soil Contamination

- A. Describe method for determining the extent of contamination within the excavation
- B. Describe sampling methods and procedures to be used
  1. If a soil gas survey is planned, then:
    - identify number of boreholes, locations, sampling depths, etc.;
    - identify subcontractors, if any;
    - identify analytical methods;
    - provide a quality assurance plan for field testing.
  2. If soil borings are to be used to determine the extent of soil contamination, then:
    - identify number, location (mapped), and depth of the proposed borings;
    - describe the soil classification system, soil sampling method, and rationale;
    - describe the drilling method for the borings, including decontamination procedures;
    - explain how borings will be abandoned.
- C. Describe how clean and contaminated soil will be differentiated, and describe how excavated soil will be stored and disposed of. If on-site soil aeration is to be used, then describe:
  1. The volume and rate of aeration/turning;
  2. The method of containment and cover;
  3. Wet-weather contingency plans;

4. Results of consultation with the Bay Area Air Quality Management District.

Other on-site treatments (such as bioremediation) require permits issued by the RWQCB. Off-site storage or treatment also requires RWQCB permits.

- D. Describe security measures planned for the excavated hole and contaminated soil

#### IV. Plan for Characterizing Groundwater Contamination

Construction and placement of wells should adhere to the requirements of the "Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks."

- A. Explain the proposed locations of monitoring wells (including construction diagrams), and prepare a map to scale

- B. Describe the method of monitoring well construction and associated decontamination procedures

1. Expected depth and diameter of monitoring wells.
2. Date of expected drilling.
3. Locations of soil borings and sample collection method.
4. Casing type, diameter, screen interval, and pack and slot sizing technique.
5. Depth and type of seal.
6. Development method and criteria for determining adequate development.
7. Plans for disposal of cuttings and development water.
8. Surveying plans for wells (requirements include surveying to established benchmark to 0.01 foot).

- C. Groundwater sampling plans

1. Water level measurement procedure.
2. Well purging procedures and disposal protocol.
3. Sample collection and analysis procedures.
4. Quality assurance plan.
5. Chain-of-custody procedures.

#### V. Prepare a Site Safety Plan



WHITE — ENV. HEALTH  
 YELLOW — FACILITY  
 PINK — FILES

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

County Use Only  
 [ ] Daily

## Hazardous Material Inspection Form

Site ID# \_\_\_\_\_ Site Name Buener Inc, 1061 Eastshore Date: 2/18/88  
 Site Address Albany EPA ID# \_\_\_\_\_  
 City, Zip \_\_\_\_\_ Phone \_\_\_\_\_

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

### Inspection Categories:

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

The marked items represent violations of the Calif. Administrative Code (CAC) or the Health & Safety Code (HS&C)

<b>1a. GENERATOR</b>	(Title 22)
___ 1. Waste ID	66471
___ 2. EPA ID	66472
___ 3. > 90 days	66508
___ 4. Labels	66493
___ 5. Biennial	66492
<b>Manifest</b>	
___ 6. Records	66480
___ 7. Correct	66484
___ 8. Copy sent	66492
___ 9. Exception	66484
___ 10. Copies Rec'd	66492
<b>Misc.</b>	
___ 11. Treatment	66371
___ 12. On-site Disp. (H.S.&C.)	25189.5
___ 13. Ex Haz. Waste	66570
<b>Prevention</b>	
___ 14. Communication	67121
___ 15. Aisle Space	67124
___ 16. Local Authority	67126
___ 17. Maintenance	67120
___ 18. Training	67105
<b>Contin. gency</b>	
___ 19. Prepared	67140
___ 20. Name List	67141
___ 21. Copies	67141
___ 22. Emg. Coord. Tmg.	67144
<b>Containers, Tanks</b>	
___ 23. Condition	67241
___ 24. Compatibility	67242
___ 25. Maintenance	67243
___ 26. Inspection	67244
___ 27. Buffer Zone	67246
___ 28. Tank Inspection	67259
___ 29. Containment	67245
___ 30. Safe Storage	67261
___ 31. Freeboard	67257
<b>1b. TRANSPORTER</b>	(Title 22)
___ 32. Application	66428
___ 33. Insurance	66428
___ 34. Comp. Cert.	66448
___ 35. CHP Insp.	66448
___ 36. Containers	66465
<b>Manifest</b>	
___ 37. Vehicles	66465
___ 38. EPA ID #s	66531
___ 39. Correct	66541
___ 40. HW Delivery	66543
___ 41. Records	66544
<b>Cont'r's</b>	
___ 42. Name	66545
___ 43. Covers	66545
___ 44. Recyclables	66800

### Comments:

On site to witness tank removal - Also present AFD Chief Keopke

According to Ken Willis they planned to clean tanks and haul as non-haz.   
 \* Tanks may only be hauled as non-hazardous if certified lab analysis shows < 100ppm of total hydrocarbons.

Note: Some contaminated noted in excavation. Spill Report Form left on site.

Contact this office when tanks will be removed.

Contact Lowell Miller @ 874-7237.

Contact: \_\_\_\_\_

Applied Time: \_\_\_\_\_

Title: \_\_\_\_\_

Inspector: L. Rose

Signature: [Signature]

Signature: [Signature]

WHITE - ENV. HEALTH  
YELLOW - FACILITY  
PINK - FILES

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

County Use Only

[ ] Daily

## Hazardous Material Inspection Form

Site ID# \_\_\_\_\_ Site Name Bureau Inc, 1061 Eastshore Date: 2/18/88  
Site Address Albany EPA ID# \_\_\_\_\_  
City, Zip \_\_\_\_\_ Phone \_\_\_\_\_

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

### Inspection Categories:

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

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- |  |         |
|--|---------|
| <b>1a. GENERATOR (Title 22)</b>                      |         |
| <input type="checkbox"/> 1. Waste ID                 | 66471   |
| <input type="checkbox"/> 2. EPA ID                   | 66472   |
| <input type="checkbox"/> 3. > 90 days                | 66508   |
| <input type="checkbox"/> 4. Labels                   | 66493   |
| <input type="checkbox"/> 5. Biennial                 | 66492   |
| <b>Manifest</b>                                      |         |
| <input type="checkbox"/> 6. Records                  | 66480   |
| <input type="checkbox"/> 7. Correct                  | 66484   |
| <input type="checkbox"/> 8. Copy sent                | 66492   |
| <input type="checkbox"/> 9. Exception                | 66484   |
| <input type="checkbox"/> 10. Copies Rec'd            | 66492   |
| <b>Misc.</b>   |         |
| <input type="checkbox"/> 11. Treatment               | 66371   |
| <input type="checkbox"/> 12. On-site Disp. (H.S.&C.) | 25189.5 |
| <input type="checkbox"/> 13. Ex Haz. Waste           | 66570   |
| <b>Prevention</b>                                    |         |
| <input type="checkbox"/> 14. Communication           | 67121   |
| <input type="checkbox"/> 15. Aisle Space             | 67124   |
| <input type="checkbox"/> 16. Local Authority         | 67126   |
| <input type="checkbox"/> 17. Maintenance             | 67120   |
| <input type="checkbox"/> 18. Training                | 67105   |
| <b>Cont'n. gency</b>                                 |         |
| <input type="checkbox"/> 19. Prepared                | 67140   |
| <input type="checkbox"/> 20. Name List               | 67141   |
| <input type="checkbox"/> 21. Copies                  | 67141   |
| <input type="checkbox"/> 22. Emg. Coord. Tmg.        | 67144   |
| <b>Containers, Tanks</b>                             |         |
| <input type="checkbox"/> 23. Condition               | 67241   |
| <input type="checkbox"/> 24. Compatibility           | 67242   |
| <input type="checkbox"/> 25. Maintenance             | 67243   |
| <input type="checkbox"/> 26. Inspection              | 67244   |
| <input type="checkbox"/> 27. Buffer Zone             | 67246   |
| <input type="checkbox"/> 28. Tank Inspection         | 67259   |
| <input type="checkbox"/> 29. Containment             | 67245   |
| <input type="checkbox"/> 30. Safe Storage            | 67261   |
| <input type="checkbox"/> 31. Freeboard               | 67257   |
| <b>1b. TRANSPORTER (Title 22)</b>                    |         |
| <input type="checkbox"/> 32. Application             | 66428   |
| <input type="checkbox"/> 33. Insurance               | 66428   |
| <input type="checkbox"/> 34. Comp. Cert.             | 66448   |
| <input type="checkbox"/> 35. CHP Insp.               | 66448   |
| <input type="checkbox"/> 36. Containers              | 66465   |
| <b>Manifest</b>                                      |         |
| <input type="checkbox"/> 37. Vehicles                | 66465   |
| <input type="checkbox"/> 38. EPA ID #s               | 66531   |
| <input type="checkbox"/> 39. Correct                 | 66541   |
| <input type="checkbox"/> 40. HW Delivery             | 66543   |
| <input type="checkbox"/> 41. Records                 | 66544   |
| <b>Cont'rs</b>                                       |         |
| <input type="checkbox"/> 42. Name                    | 66545   |
| <input type="checkbox"/> 43. Covers                  | 66545   |
| <input type="checkbox"/> 44. Recyclables             | 66800   |

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Contact Lowell Miller @ 874-7337.

Contact: \_\_\_\_\_

Applied Time: \_\_\_\_\_

Title: \_\_\_\_\_

Inspector: L. Rose

Signature: [Signature]

Signature: [Signature]