





**Cal/EPA**

**State Water Resources Control Board**

**Division of Clean Water Programs**

Mailing Address:  
P.O. Box 944212  
Sacramento, CA  
94244-2120

2014 T Street,  
Suite 130  
Sacramento, CA  
95814  
(916) 227-4519  
FAX (916) 227-4530

World Wide Web:  
<http://www.swrcb.ca.gov/~cwphome/fundhome.htm>



Pete Wilson  
Governor

Post-It™ brand fax transmittal memo 7671 # of pages ▶ 2

To <i>Eva Chu</i>	From <i>Christopher Steven</i>
Co.	Co.
Dept.	Phone #
Fax # <i>(916) 337-9335</i>	Fax #

June 14, 1996

Mr. Dave Cavanaugh  
Cavanaugh Motors  
1700 Park Street  
Alameda, CA 94501

Dear Mr. Cavanaugh:

**PRE-APPROVAL OF CORRECTIVE ACTION COST ESTIMATE, Claim No. 1277, 1700 Park Street, Alameda, CA**

I have reviewed your request, received on June 6, 1996, for pre-approval of corrective action costs; I will place these documents in your file for future reference. I have included a copy of the "Cost Pre-Approval Request" form; please use this form in the future for requesting pre-approval of corrective action cost estimates.

With the following provisions, the actual costs of conducting the work proposed in the E-Tech Services, June 5, 1996 estimate and approved by the Alameda County Health Care Services Agency (County) will be eligible for reimbursement. The total cost pre-approved as eligible for the destruction of the six monitoring wells is **\$5,935**; see the table below for a breakdown of the costs. (The total amount eligible for reimbursement through Reimbursement Request No. 4 for work at your site that has been directed and approved by the County has been **\$143,989**.)

*Be aware that this pre-approval does not constitute a decision on reimbursement: all reasonable and necessary corrective action costs for work directed and approved by the County will be eligible for reimbursement at costs consistent with those pre-approved in this letter.*

TASK	AMOUNT PRE-APPROVED	COMMENTS
Permitting	\$150	
Abandon 6 Monitoring Wells	\$3,405	Proj. Man.: 3 hrs X \$75/hr = \$225 Staff Geo./Eng.: 12 hrs X \$65/hr = \$780 Drill Rig: \$2,400
Disposal of Cuttings & Wash Water	\$1,730	Proj Man.: 4 hrs X \$75/hr = \$300 Technician.: 4 hrs X \$45/hr = \$180 Trans./Disposal: 10 drums X \$125/drum = \$1,250
Prepare Report	\$650	
<b>TOTAL PRE-APPROVED</b>	<b>\$5,935</b>	



Recycled Paper

*Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations*

Mr. Dave Cavanaugh

-2-

- The actual costs and scope of work performed must be consistent with those in the original cost estimate and the provisions of this letter.
- The work products must be acceptable to the County and the Regional Water Quality Control Board.

In addition, it is my opinion that it is unnecessary to obtain three bids for this contract; the Fund's three bid requirement is waived for this contract. If a different scope of work or a new contract becomes necessary, however, then you must request pre-approval of costs on the new scope of work. I would recommend also that you request pre-approval and waiver of the bid requirement for any future change orders if they become necessary.

Please remember that it is still necessary to submit the actual cost of the work as explained in the Reimbursement Request Instructions to confirm that the costs are consistent with this estimate before you will be reimbursed. *To make this easier, insure that your consultant prepares his invoices to match the format of the original estimate, and provides reasonable explanations for any changes made in the scope of work or increases in the costs. When the invoices are submitted you must include copies of all:*

- *subcontractor invoices,*
- *technical reports, when available, and*
- *applicable correspondence from the County.*

Please call if you have any questions; I can be reached at the above number.

Sincerely,



Christopher Stevens, WRC Engineer  
Underground Storage Tank Cleanup Fund Program

Attachment

cc: Ms. Eva Chu w/o attachments  
by fax: (510) 337-9335



Recycled Paper

*Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.*

TOTAL P.02

Date Sampled	Monitoring Well	Diesel ug/L	Kerosene ug/L	Oil & Grease mg/L	Chlorobenzene ug/L
1-13-95	MW-6	210	N/A	ND<0.5	5.0
<i>April 26, 1995 Groundwater Sampling</i>					
4-26-95	MW-3	ns	ns	ns	ns
4-26-95	MW-5	ns	ns	ns	ns
4-26-95	MW-6	ns	ns	ns	ns
<i>December 18, 1995 Groundwater Sampling</i>					
12-18-95	MW-3	ns	ns	ns	ns
12-18-95	MW-5	ns	ns	ns	ns
12-18-95	MW-6	ns	ns	ns	ns

ND - NOT DETECTED BELOW REPORTING LIMITS

NA - NOT ANALYZED BY LABORATORY

ns - NOT SAMPLED

+ - DOES NOT MATCH DIESEL STANDARD (POSSIBLE MOTOR OIL HYDROCARBONS)

\* - KEROSENE RANGE NOT REPORTED DUE TO OVERLAP OF HYDROCARBON RANGES

#### 4.0 GROUNDWATER MEASUREMENTS

After the wells were uncapped for sampling and measurement, each was allowed to equilibrate with atmospheric pressure. The wells were periodically measured until two successive measurements of the water elevation in each well agreed within 0.01 of a foot. Details of groundwater measuring are in Attachment 3, Records of Water Sample Collection. By measuring the water levels in three groundwater monitoring wells, MW-2, MW-4, and MW-5, **E-Tech** calculated the down gradient direction and horizontal gradient. Table 3 summarizes groundwater level data collected over the thirteen sampling episodes.

TABLE 3 GROUNDWATER MEASUREMENTS FROM MONITORING WELLS

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577  
(510) 567-6700

StID 596

May 29, 1996

Mr. Lee Cavanaugh  
P.O. Box 2418  
Alameda, CA 94501

**RE: Well Decommission at 1700 Park Street, Alameda, CA**

Dear Mr. Cavanaugh:

This office and the San Francisco RWQCB have reviewed the case closure summary for the above referenced site and concur that no further action related to the underground tank release is required at this time. Before a remedial action completion letter is sent, the onsite monitoring wells (MW-2 through MW-7) should be decommissioned, if they will no longer be monitored. Please notify this office upon completion of well destruction so a closure letter can be issued.

Well destruction permits may be obtained from Alameda County Flood Control and Water Conservation, Zone 7. They can be reached at (510) 484-2600.

If you have any questions, I can be reached at (510) 567-6762.

Sincerely,

eva chu  
Hazardous Materials Specialist

cc: files

**California**

13908 San Pablo Avenue  
Suite 101  
San Pablo, California 94806  
(510) 232-8366 FAX (510) 232-5133



LOG  
ZHIAT  
5/11 8:17

**Oregon**

370 West Sixth Avenue  
Suite A  
Eugene, Oregon 97401  
(503) 342-6606 FAX (503) 342-1632

Ms. Eva Chu  
ALAMEDA COUNTY HEALTH SERVICES  
1131 Harbor Bay Parkway  
Alameda, CA 94501

December 30, 1994  
Job: 101090

**SUBJECT: CAVANAUGH MOTORS**  
1700 Park Street  
Alameda, California

Dear Ms. Chu,

This letter is in reference to our telephone conversation (December 28, 1994) regarding Cavanaugh Motors at 1700 Park Street, Alameda, California. Per our conversation, enclosed is a plate that shows the location of the soil bores to verify the soil vapor extraction remediation work at the site. TMC ENVIRONMENTAL, Inc. (TMC) performed this work August 25, 1994.

We also discussed excavating soil in the vicinity of the former gasoline tank pit and existing monitoring well MW-1, placed in the former tank pit. Soil samples from verifying soil bores, and ground water samples from MW-7 (down gradient from the former tank pit and MW-1), reveal non-detectable levels of gasoline/BTEX. Ground water samples from MW-1 continue to show detectable levels of gasoline. TMC, therefore, believes that a small pocket of gasoline contamination remains near the soil - ground water interface surrounding MW-1, and that excavation of this contamination is the most expedient and effective method for remediation. TMC estimates that 10 cubic yards, or less, of contaminated soils remain

Prior to excavation, TMC will destroy MW-1, along with the four soil vapor extraction wells at the site. TMC will use a C-57 contractor to drill out the well casing, and back fill the void generated with a cement grout. The excavation will commence subsequent to this work. Soil samples will be recovered from the excavation limits. TMC will place the excavated soils on an existing stockpile at the site.

*this may remove most contam soil in vicinity of MW-1*

It is TMC's understanding that you concur with this proposed work and that you will forward a letter indicating such. TMC will notify you prior to commencing the above-mentioned work.

We look forward to working with you on this project. If you have any questions, please call me at (510) 232-8366. Thank you.

Sincerely,  
TMC ENVIRONMENTAL, INC.

A handwritten signature in black ink, appearing to read "Michael Princevalle". The signature is fluid and cursive, with the first name "Michael" and last name "Princevalle" clearly distinguishable.

Michael Princevalle  
Project Manager

Enclosures: Plate; Locations of Verifying Borings

cc: Dave Cavanaugh

cavmtr1.ltr

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

StID 596

December 29, 1994

Mr. Dave Cavanaugh  
Cavanaugh Motors  
P.O. Box 2418  
Alameda, CA 94501

ALAMEDA COUNTY CC4580  
DEPT. OF ENVIRONMENTAL HEALTH  
ENVIRONMENTAL PROTECTION DIVISION  
1131 HARBOR BAY PKWY., #250  
ALAMEDA CA 94502-6577

**RE: Additional Excavation at 1700 Park Street, Alameda 94501**

Dear Mr. Cavanaugh:

I have completed review of TMC Environmental's November 1994 Soil Boring, Monitoring Well Installation and Groundwater Monitoring Report for the above referenced site. TMC proposes to excavate the residual contaminated soil around well MW-1, thus destroying MW-1. The contaminated soil will be stockpiled with the existing soil pile. This proposal is acceptable and a staff from this office must be present to witness verification sampling of the pit.

The sampling frequency for onsite wells can be modified as follows: sample MW-7 on a quarterly basis; sample MW-3, MW-5, and MW-6 on a semi-annual basis; and discontinue sampling of MW-2 and MW-4.

Please keep this office informed as to the status of the stockpiled soil and its eventual final disposition.

If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

cc: Michael Princevalle, TMC, 13908 San Pablo Ave, San Pablo,  
CA 94806  
files



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

August 1, 1994

Mr. Dave Cavanaugh  
P.O. Box 2418  
Alameda, CA 94501

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
DEPARTMENT OF ENVIRONMENTAL HEALTH  
1131 HARBOR BAY PARKWAY, 2ND FLOOR  
ALAMEDA, CA 94502-6577

STID 596

Re: Work plan for investigations at 1700 Park Street, Alameda,  
California

Dear Mr. Cavanaugh,

This office has reviewed TMC Environmental's (TMC) work plan, dated July 1994, and the additional well construction information, dated July 28, 1994. Although TMC stated that they would overexcavate hydrocarbon-contaminated soil to less than 100 parts per million (ppm), it is not necessarily acceptable to leave 100 ppm of contaminants in place. Efforts are required to be made to overexcavate to Non Detect. If contaminants are left in the soil even after the overexcavation, a Risk Assessment may be required to determine whether this remaining contamination will pose a threat to human health or the ground water in the future.

Per my conversation with Michael Princevalle, TMC, on July 26, 1994, Well MW-1 shall not be destroyed and shall be monitored on an annual basis until the site qualifies for site closure.

Lastly, it is the understanding of this office that the drilling and sampling protocol will be conducted as outlined in the Standard Operating Procedures in the Site Contamination Work Plan, dated April 15, 1991.

Field work shall commence within 60 days of the date of this letter. A report documenting the work shall be submitted to this office within 45 days after completing field activities.

If you have any questions or comments, please contact me at (510) 567-6700 (New general phone number) or (510) 567-6763 (my direct phone number).

Sincerely,

Juliet Shin  
Hazardous Materials Specialist

Mr. Dave Cavanaugh  
Re: 1700 Park St.  
August 1, 1994  
Page 2 of 2

cc: Tom Ghigliotto  
TMC Environmental, Inc.  
13908 San Pablo Ave.  
Suite 101  
San Pablo, CA 94806

Edgar Howell-File(JS)

**California**

13908 San Pablo Avenue  
Suite 101  
San Pablo, California 94806  
(510) 232-8366 FAX (510) 232-5133



**Oregon**

ALCO  
HAZMAT  
370 West Sixth Avenue  
Suite A  
Eugene, Oregon 97401  
94 JUL 29 PM 2:12  
(503) 342-6606 FAX (503) 342-1632

July 28, 1994

Ms. Juliatt Shin  
Alameda County Health Care Services Agency  
Department of Environmental Health  
**Division of Hazardous Materials**  
1131 Harbor Bay Parkway  
Alameda, California 94501

**SUBJECT: REQUEST TO MODIFY WORKPLAN  
1700 Park Street, Alameda, California**

Dear Ms. Shin,

This letter is being submitted at your request regarding the above mentioned site at 1700 Park Street, Alameda, California. Per your conversation with Michael Princevalle of TMC, you requested the following information: well construction details, well permits and our protocol for the sampling of the new well MW-1B.

Well construction details for MW-1B are enclosed. We will be permitting the installation of MW-1B through the Alameda County Zone 7 District. TMC will not sample until a minimum of 24 hours have elapsed from the time of well development.

Per your request, TMC will not be destroying MW-1. TMC agrees to annual sampling of this well until your authorization of its destruction is given.

Again, if you have any questions, please call me or Michael Princevalle at (510) 232-8366. Thank you.

Sincerely,  
TMC ENVIRONMENTAL, INC.

Tom Ghigliotto  
Technician

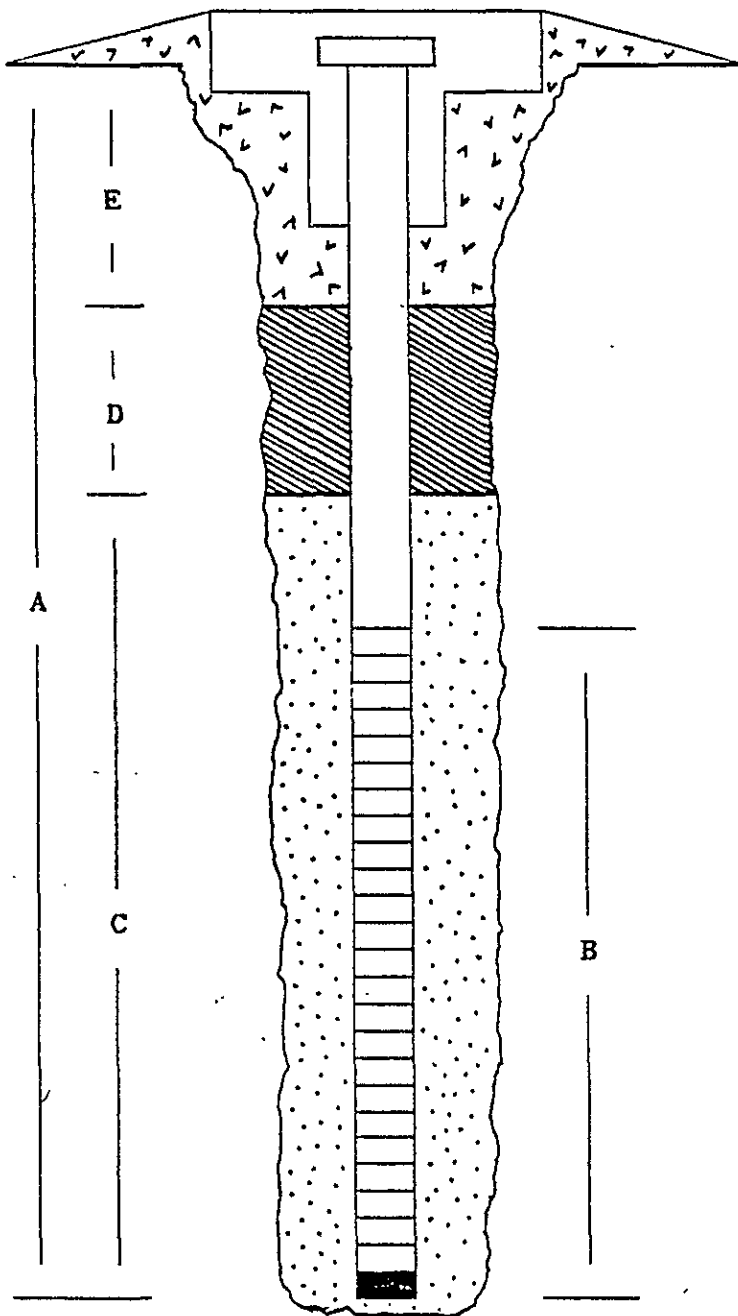
TG:jma

Enclosure  
cvt.ltr

SITE LOCATION: Cavanaugh Motors, Alameda, CA TMC PROJECT NO: 109001

MONITORING WELL NO: MW-1B

DATE: 7/27/94



**DRILLING SPECIFICATIONS**

**DRILLING CONTRACTOR:** SOILS EXPLORATION SERVICES INC.

**LICENSE NUMBER:** C-57 582696

**DRILLING METHOD:** Hollow Stem Auger

**DRILLER:** \_\_\_\_\_

**BOREHOLE DEPTH:** 15.0 ft.

**LOGGED BY:** Michael Pricevalle

**MONITORING WELL SPECIFICATIONS**

**BOREHOLE DIAMETER:** 8"

**CASING DIAMETER:** 2 Inches

**A. WELL DEPTH:** 15.0 ft.

**B. SCREENED INTERVAL:** 5.0-15.0 ft.

**C. FILTER PACK DEPTH:** 4.0-15.0 ft.

**D. BENT. SEAL DEPTH:** 3.0-4.0 ft.

**E. GROUT DEPTH:** 0.0-3.0 ft.

**MONITORING WELL SCHEMATIC**

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

April 6, 1994

Dave Cavanaugh  
P.O. Box 2418  
Alameda, CA 94501

STID 596

Re: Investigations and Remediation at 1700 Park St., Alameda, CA

Dear Mr. Cavanaugh,

This office has reviewed TMC Environmental's (TMC) Ground water Monitoring and Progress Report, dated March 18, 1994. TMC has proposed that the soil contamination around the former gasoline underground storage tank (UST) was remediated by the six-month operation of the Vapor Extraction System. As recommended by TMC in the report, you are required to confirm that this soil contamination has been remediated by collecting soil samples from borings placed around the vicinity of the former UST. Please be reminded to include soil sampling adjacent to Well MW-1 from 5 feet below ground surface (bgs), where 3,500 ppm TPHg was identified in the past. A work plan addressing this work is due to this office **within 45 days** of the date of this letter.

Elevated levels of ground water contamination have consistently been identified from Well MW-1. Although Wells MW-3 and MW-4 are located cross gradient from Well MW-1, there are no wells currently addressing the potential for ground water contamination directly downgradient of Well MW-1. Therefore, you are required to conduct further investigations to determine the extent of ground water contamination downgradient of Well MW-1. You are required to include the proposals for this work with the above work plan, which addresses the soil sampling.

Quarterly ground water monitoring at the site is required to continue at this time.

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

Sincerely,

A handwritten signature in cursive script that reads "Juliet Shin".

Juliet Shin  
Hazardous Materials Specialist

Dave Cavanaugh  
Re: 1700 Park St.  
April 6, 1994  
Page 2 of 2

cc: Blessy Torres  
State Water Resources Control Board  
Division of Clean Water Programs  
P.O. Box 944212  
Sacramento, CA 94244-2120

Mark T. Youngkin  
TMC Environmental, Inc.  
13908 San Pablo Avenue, Ste 101  
San Pablo, CA 94806

Edgar Howell-File(JS)



# LETTER OF TRANSMITTAL

TMC ENVIRONMENTAL, INC.

13908 San Pablo Avenue, Suite 101  
San Pablo, California 94806

(510) 232-8366 / FAX 232-5133

Date: 8-9-93 Project Number: 109001 Total Number of Pages: \_\_\_\_\_  
To: Juliet Shin  
Company: ACHCSA  
From: MARK YOUNGKIN

We are sending you:  Attached  Under separate cover via: \_\_\_\_\_

THE FOLLOWING as checked below:

- |   |   |                                   |                                       |
|---|---|-----------------------------------|---------------------------------------|
| <input checked="" type="checkbox"/> Reports | <input type="checkbox"/> Copy of Letter | <input type="checkbox"/> Contract | <input type="checkbox"/> Drawings     |
| <input type="checkbox"/> Plans              | <input type="checkbox"/> Site Map       | <input type="checkbox"/> Samples  | <input type="checkbox"/> Prints       |
| <input type="checkbox"/> Photos             | <input type="checkbox"/> Invoice        | <input type="checkbox"/> Brochure | <input type="checkbox"/> Test Results |
| <input type="checkbox"/> Other: _____       |   |                                   |                                       |

93 AUG 11 PM 3:10

Subject: Cavanaugh Motors

THESE ARE TRANSMITTED as checked below:

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> For approval                         | <input type="checkbox"/> For review and comment        | <input type="checkbox"/> Reviewed as submitted |
| <input type="checkbox"/> For your use                         | <input checked="" type="checkbox"/> As requested       | <input type="checkbox"/> Reviewed as noted     |
| <input type="checkbox"/> Resubmit _____ copies for review     | <input type="checkbox"/> Return _____ corrected prints |  |
| <input type="checkbox"/> Submit _____ copies for distribution | <input type="checkbox"/> Returned for corrections      |  |
| <input type="checkbox"/> Other: _____                         |  |  |

Remarks: If you need more info - please call

Copies to: \_\_\_\_\_

**STATE WATER RESOURCES CONTROL BOARD**

DIVISION OF CLEAN WATER PROGRAMS

2014 T STREET, SUITE 130

P.O. BOX 944212

SACRAMENTO, CALIFORNIA 94244-2120

(916) 227-4413

(916) 227-4530 (FAX)



JUN 10 1992

Mr. Dave Cavanaugh  
 Cavanaugh Motors, Inc.  
 P.O. Box 2418  
 Alameda, CA 94501

Dear Mr. Cavanaugh:

**UNDERGROUND STORAGE TANK CLEANUP FUND PROGRAM: CLAIM NO. 1277**

The State Water Resources Control Board (State Board) takes pleasure in issuing the attached Letter of Commitment in an amount not to exceed \$90,000. This Letter of Commitment is based upon our review of the corrective action costs incurred to date and your application received on January 17, 1992, and may be modified by the State Board in writing by an amended 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. We constantly review the status of all active claims, and failure to proceed with due diligence will be grounds for withdrawal of this Letter of Commitment.

You should read the terms and conditions listed in the Letter of Commitment.

Also attached is a "Reimbursement Request" package. The package includes :

- Instructions for the completion of the "Reimbursement Request" form and should be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988.
- A "Reimbursement Request - Underground Storage Tank Cleanup Fund" form which you must use to request reimbursement of costs incurred.
- A "Spreadsheet" which you must use in conjunction with your Reimbursement Request.
- Samples of two completed Reimbursement Request forms and associated spreadsheets.
- A "Bid Summary Sheet" to document data on bids received.
- Recommended Minimum Invoice Cost Breakdown.
- A "Certification of Non-Recovery From Other Sources" which must be returned before any reimbursements can be made.

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

Sincerely,

*Ron Markle for*  
 Dave Deaner, Manager  
 Underground Storage Tank  
 Cleanup Fund Program

**Attachments**

cc: Tom Peacock  
 Alameda County Health Agency  
 Division of Hazardous Materials  
 80 Swan Way, Room 200  
 Oakland, CA 94621

Don Dalke  
 California Regional Water  
 Quality Control Board, San Francisco Bay Region  
 2101 Webster Street, Suite 500  
 Oakland, CA 94612



LETTER OF COMMITMENT FOR REIMBURSEMENT OF COSTS

CLAIM NO: 001277

AMENDMENT NO: 0

CLAIMANT: Cavanaugh Motors, Inc.  
JOINT-CLAIMANT:

BALANCE FORWARD: \$0

CLAIMANT ADDRESS: P.O. Box 2418  
Alameda, CA 94501

THIS AMOUNT: \$90,000

NEW BALANCE: \$90,000

TAX ID / SSA NO. 94-2291700

Subject to availability of funds, the State Water Resources Control Board (State Board) agrees to reimburse Cavanaugh Motors, Inc. (claimant) for eligible corrective action costs at 1700 Park Street, Alameda, CA 94501 (site). The commitment reflected by this Letter is subject to all of the following terms and conditions:

1. Reimbursement shall not exceed \$90,000 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 State Board, the State Board 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. Unless modified in writing by the State Board, this Letter of Commitment covers work through Phase II of corrective action work.
4. All costs for which reimbursement is sought must be eligible for reimbursement and the Claimant must be the person entitled to reimbursement thereof.
5. 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.
6. 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.
7. 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.
8. Neither this Letter of Commitment nor any right thereunder is assignable by the Claimant without the written consent of the State Board. 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 State Board's consent.
9. This Letter of Commitment may be withdrawn at any time by the State Board if completion of corrective action is not performed with reasonable diligence.

IN WITNESS WHEREOF, this Letter of Commitment has been issued by the State Board this 1st of June, 1993.

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

\$ \_\_\_\_\_

**Alameda County Department of Environmental Health  
Hazardous Materials Division**

80 Swan Way, Rm. 200, Oakland, CA 94621

Ph: 510-271-4320

**BILLING FOR SERVICES**

STID# ~~17~~ 596,3601

Cavanaugh Motors

A. Site Name Exxon Rs #7 - 0104 Phone \_\_\_\_\_

Site Address 1700 + 1725 Park St. Alameda 94501  
(If no address, description of area) Number Street City Zip

Prior Business Name \_\_\_\_\_ Prior Owner's Name \_\_\_\_\_

B. Service Requestor Ralph Ethert Texaco Environ Services (818) 505-3071  
Contact Person Company Name Phone

Billing Address 10 Universal Place, Universal City, CA 91608  
Number Street City Zip

<b>Category of Service</b>		#Hours	x \$	/Hr	\$
..... Site Search		<u>2</u>		<u>75</u>	<u>150.00</u>
..... File Search					
..... Other					
					<u>150.00</u>
					TOTAL CHARGE: \$ <u>150.00</u>

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**You will receive an invoice in accordance with Article 11 of Chapter 6, Title 3 of the Ordinance Code of Alameda County**

**Absolute Copy Service**

Service Requestor Michael Fleming Michael Fleming Date 5-27-93  
printed name signature

HazMat Specialist Juliet Shin Juliet Shin Date 5/27/93  
printed name signature

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 20, 1992

Dave Cavanaugh  
P.O. Box 2418  
Alameda, CA 94501

STID 596

RE: Approval of the Remediation Plan for the site located at  
1700 Park St., Alameda, California

Dear Mr. Cavanaugh,

This office recently received and reviewed a copy of the Remediation Workplan, dated April 15, 1992, for the above site. This office approves of the work plan. Per the conversation between Mark Youngkin, TMC Environmental, and myself on October 20, 1992, implementation of this work plan will begin on December 1, 1992. Additionally, it is the understanding of this office that piping will be placed through the stockpiled soil on site to expedite aeration, and this air will be pumped through carbon cannisters.

Lastly, our files indicate that although 1,040 ppm lead was identified from a soil sample collected from beneath the former waste oil tank, ground water samples collected from Well MW-6 have never been analyzed for lead. If this is correct, you will be required to analyze the next ground water sample collected from Well MW-6 for organic lead.

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

Sincerely,

Juliet Shin  
Hazardous Materials Specialist

cc: Richard Hiett, RWQCB

Robert La Grone, Alameda Fire Dept.

Mark Youngkin  
TMC Environmental, Inc.  
13908 San Pablo Ave., Ste. 101  
San Pablo, CA 94806

Edgar Howell- File (JS)

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)

January 29, 1992

STID# 596

Lee & Dave Cavanaugh  
P.O. Box 2418  
Alameda, CA 94501

Subject: Cavanaugh Motors, 100 Park St., Alameda, CA

Dear Mr. Cavanaugh:

This office is in receipt of a status report, dated January 15, 1992, from TMC Environmental, Inc. (TMC), your consultant of record. Thank you for the prompt attention given to this investigation. Upon review of the report, there are several points that need to be addressed:

- 1) It will be necessary for you to submit a workplan for interim remediation that will address the contamination in the area of monitoring well #1. This may be accomplished, as mentioned in the January 15, 1992, report by soil venting in the area.
- 2) The stockpiled soils removed from the two excavations should be remediated and/or further characterized and removed to an appropriate Landfill.
- 3) This office concurs with the scheduled monitoring of the facility.

The workplan(s) for the above work should be submitted to this office within thirty (30) days.

If you have any questions concerning the above site, please contact Brian P. Oliva, Hazardous Materials Specialist at (510) 271-4320.

Sincerely,

Thomas Peacock  
Supervising Hazardous Materials Specialist

cc: Eddie So, SFBRWQCB  
Mark Younkin, TMC Environmental Inc.

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



State Water Resources Control Board  
Division of Clean Water Programs  
UST Local Oversight Program

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

December 26, 1991

STID# 596  
Lee & Dave Cavanaugh  
P.O. Box 2418  
Alameda, CA

Responsible Party  
Property Owner

Cavanaugh Motors  
1700 Park St.  
Alameda, CA 94501

SITE

Date First Reported 12/15/89  
Substance: gasoline, WO  
Petroleum (X) Yes

Dear Mr. Cavanaugh:

This office has reviewed a proposed workplan for the investigation of two removed underground storage tanks at your business at the above address. Upon review of the various reports, with the April 15, 1991 workplan submitted by TMC Environmental being the most recent, several points are in need of clarification:

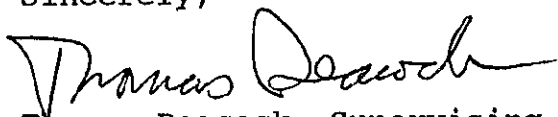
- 1) It will be necessary for your consultant to provide a summary of all work completed at the site since the April 15, 1991 Workplan. This office will concur with the work completed at the site if such work was in accordance with the "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and investigation of Underground Tank Sites"
- 2) Please submit the results from all samples taken from all monitoring wells, indicating concentrations of all fuel and waste oil constituents.
- 3) If there is contamination noted in the samples taken, provide a workplan to adequately determine the horizontal and vertical extent of contamination in the areas adjacent to the former underground storage tanks.
- 4) The summary of work completed at the site, and any future work needed should be submitted to our office by January 23, 1991.

- 5) There is some question as to the direction of groundwater flow in the area. Data should be submitted that would indicated the hydraulic gradient.
- 6) During a site visit this office noted the presence of stockpiled soil apparently in the process of remediation. Please submit copies of any required permits/notifications pertinent (Bay Area Air Board, etc).

All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer.

Should you have any questions concerning this letter , please contact Brian P. Oliva, Hazardous Materials Specialist, at (510) 271-4320. *Brian P. Oliva*

Sincerely,



Thomas Peacock, Supervising HMS  
Hazardous Material Division

cc: Eddie So, RWQCB  
Mark Thompson, Alameda Co. Asst. District Attorney  
TMC Environmental, 13908 San Pablo Ave, Suite 101, San  
Pablo, CA 94806.

white -env.health  
 yellow -facility  
 pink -files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

## Hazardous Materials Division Inspection Form

Site ID# 596 Site Name Coomaugh Motors Today's Date 11/29/91  
 Site Address 1700 Park St EPA ID# \_\_\_\_\_  
 City Alameda, Ca Zip 94501 Phone \_\_\_\_\_

MAX Amt. Stored > 500lbs/55g/200cf? **Y** **N**  
 Hazardous Waste generated per month? \_\_\_\_\_

- Inspection Categories:**
- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
  - II. Business Plans, Acute Hazardous Materials
  - III. Underground Tanks Site Mt

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

<b>LA GENERATOR (Title 22)</b>		
___	1. Waste ID	* 66471
___	2. EPA ID	66472
___	3. > 90 days	66508
___	4. Label dates	66508
___	5. Biennial	66493
<b>Manifest</b>		
___	6. Records	66492
___	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.)	26189.5
___	13. Ex Haz. Waste	66570
<b>Prevention</b>		
___	14. Communications	67121
___	15. Aisle Space	67124
___	16. Local Authority	67126
___	17. Maintenance	67120
___	18. Training	67105
<b>Contn. Agency</b>		
___	19. Prepared	67140
___	20. Name List	67141
___	21. Copies	67141
___	22. Emg. Coord. Trng.	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>I.B TRANSPORTER (Title 22)</b>		
___	32. Applic./Insurance	66428
___	33. Comp. Cert./CHP Insp.	66448
___	34. Containers	66465
<b>Manifest</b>		
___	35. Vehicles	66465
___	36. EPA ID #s	66531
___	37. Correct	66541
___	38. HW Delivery	66543
___	39. Records	66544
<b>Cont's</b>		
___	40. Name/ Covers	66545
___	41. Recyclables	66800

**Comments:** Treating Soil on site

there is a site visit of an ROP site to confirm physical layout.

there was a UST gas and UST waste oil. These appear to be more monitoring well locate than all in the Workplan.

Needs updated Workplan and MUEL samples plans and results.

upon conversation with RP he relayed to me that the soil is under active remediation & will ask for ARAR permit (Air Board)

all m wells locked to prevent unauthorized entry

\*note I spoke with RP.

Contact: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Signature: \_\_\_\_\_

Inspector: Bryan P. Oliva  
 Signature: Bryan P. Oliva

**EB EAST BAY MUNICIPAL UTILITY DISTRICT**

December 19, 1991

Ms. Kerri Ghigliotto  
TMC Environmental, Inc.  
13908 San Pablo Ave. Suite 101  
San Pablo, CA 94806

Dear Ms. Ghigliotto:

Re: Groundwater Permit Information and Procedures

Thank you for your inquiry regarding discharge of treated groundwater contaminated with VOCs to the EBMUD Wastewater Treatment Plant from remediation activities of Cavanaugh Motors at 1700 Park Street in Alameda.

Enclosed is the following information on EBMUD groundwater permits and procedures for your evaluation:

- o Groundwater Permit Information.
- o EBMUD Ordinance No. 311.
- o EBMUD Resolution No. 32500.
- o Wastewater Discharge Permit application forms.
- o Standard Provisions and Reporting Requirements, 05/91 revision.
- o Influent and Effluent Toxics Summary 1990.

Transmittal of this information to you does not constitute permission to discharge groundwater to the sanitary sewer.

Should you have any additional questions, please contact me at (510) 287-1630.

Sincerely,

THOMAS C. PAULSON  
Industrial Discharger Section Supervisor  
Source Control Division

TCP:AAR:aar

Enclosures

cc: Rafat Shahid, Alameda County Health Care Services Agency  
Lester Feldman, Regional Water Quality Control Board

P.O. BOX 24055, OAKLAND, CA 94623-1055, (510) 465-3700  
BOARD OF DIRECTORS NANCY J. NADEL, KENNETH H. SIMMONS, ANDREW COHEN  
JOHN A. COLEMAN, STUART FLASHMAN, JOHN M. GIOIA, KATHERINE MCKENNEY

*Ed EBN spec*  
WALTER J. BISHOP  
MANAGER OF WASTEWATER  
*1700 Park St Alameda*

RECEIVED  
DEC 23 1991  
REC'D

bcc:  
Groundwater inquiry file



## GROUNDWATER PERMIT INFORMATION

The District regulates discharges of groundwater generated during site remediation. Limits are applied for a specific pollutant based on the average background concentrations observed at the influent of the District's wastewater treatment plant. If the background level for a pollutant is less than 5 ug/l, the District limit is 5 ug/l.

For example, groundwater contaminated by gasoline has revealed significant concentrations of Total Petroleum Hydrocarbons (TPH), Lead, Benzene, Toluene, Ethylbenzene and Xylene. In this case the District will establish limits of:

TPH	No limit, not a specific pollutant;
Lead	2 mg/l (limit found in Ordinance No. 311);
Benzene	5 ug/l (POTW background level 1 ug/l, therefore District limit is 5 ug/l);
Toluene	15 ug/l (POTW background);
Ethylbenzene	5 ug/l (POTW background level 1 ug/l, therefore District limit is 5 ug/l);
Xylene	14 ug/l (POTW background)

Prior to discharging wastewater into the sanitary sewer, the site owner must apply for and receive a Wastewater Discharge Permit. A typical Permit application includes the following information:

- o Site history indicating how the contamination originated and land use of prior tenants;
- o Sample results from the various monitoring wells for heavy metals, EPA 624 and for any other pollutants suspected to have contaminated the site;
- o A plot map indicating the location of the contamination plume;
- o A description of the groundwater treatment facilities;
- o The TU must be equipped for continuous free product removal or adequate fail-safe device to shut off the recovery well when free product is detected at applicable sites;
- o The expected average discharge rate from the treatment unit;
- o The application must be signed by a representative of the company required to remediate the site.

## GROUNDWATER PERMIT INFORMATION

EBMUD will require the discharge to be monitored by both the District and the discharger for compliance. The required monitoring frequency reflects the following factors:

- o Concentration of pollutants in the groundwater;
- o Design capacity of treatment unit;
- o Level of preventive maintenance;
- o Frequency of process control samples from the various treatment stages;
- o Consistent compliance with discharge limits;
- o Treatment systems relying on carbon adsorption must collect influent BTEX samples and use that information to continually update the estimated remaining carbon capacity.

The District will charge various fees for providing this service. These fees include:

- o Monitoring charges based on the District's current fee schedule;
- o The treatment charge for CARBON treated effluent effective July 1, 1991 is:

$$(0.273 \text{ \$/Ccf} + 0.00624(15 \text{ mg/l} * 0.103 \text{ \$/lb.} + 2 \text{ mg/l} * 0.172 \text{ \$/lb.})) \\ = 0.28 \text{ \$/Ccf};$$

- o The capacity fee for CARBON treated effluent effective July 1, 1991 is:

$$(43.26 \text{ \$/Ccf/mo} + 0.00624(15 \text{ mg/} * 7.87 \text{ \$/lb./mo} + 2 \text{ mg/l} * 17.50 \text{ \$/lb./mo})) \\ = 44.22 \text{ \$/Ccf/month};$$

- o A \$2,000 Permit fee must accompany the application;
- o Applications should be submitted to:

EBMUD Mail Slot #702  
P. O. Box 24055  
Oakland, CA 94623-1055  
Attention: Tom Paulson  
Phone: (415)287-1630

DATE:

TO : Local Oversight Program

FROM:

SUBJ: Transfer of Eligible Oversight Case

Site name: Cavanaugh Motors

Address: 1700 Park Street City Alameda Zip 94501

Closure plan attached?  Y  N

DepRef remaining \$ ~~240~~ -

138
+102
240
-67
173

DepRef Project # V552895

STID #(if any) 596

Number of Tanks: 2 removed?  Y  N Date of removal Dec 15, 1989

Samples received?  Y  N Contamination: \_\_\_\_\_

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

Monitoring wells on site 4 Monitoring schedule?  Y  N last monitoring info 6/8/90

Briefly describe the following:

Preliminary Assessment Contam. present *discovery 12-15-89* ↑

Remedial Action overexcavation occurred in tank pit, 4 mws inst

Post Remedial Action Monitoring need to get them back on monitoring program

Enforcement Action \_\_\_\_\_

*possible treatment*

**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**

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH  
476 - 27th Street, 1st Floor  
Oakland, CA 94612  
Telephone: (415) 874-7237

... and found to be accept-  
... requirements of State and  
... by this  
... State and local  
... for issu-  
... for construction.

... on the job and  
... craftsmen involved with

... these plans and specifications  
... to the Fire and  
... to determine if such  
... State and local laws.

... at least 48 hours prior to the  
... inspections:

- Removal of Tank and Piping
- Sampling
- Final Inspection

... dependent on com-  
... with accepted plans and all applicable laws and  
... regulations.

... THERE IS A FINANCIAL PENALTY FOR NOT  
... OBTAINING THESE INSPECTIONS.

8/21/90 *T. Chavick*

Project # U577001  
Fee Paid \$ 375.00  
Date Aug 17, 1990

**UNDERGROUND TANK CLOSURE/MODIFICATION PLANS**

1. Business Name Cavanaugh Motors  
Business Owner Dave and Lee cavanaugh
2. Site Address 1700 park street  
City Alameda Zip 94501 Phone 415-523-5246
3. Mailing Address Same as Above  
City \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_
4. Land Owner Dave and Lee Cavanaugh  
Address Same as Above City, State \_\_\_\_\_ Zip \_\_\_\_\_
5. EPA I.D. No. \_\_\_\_\_
6. Contractor Gene L. Failing  
Address 3924 Middletown Ct.  
City Campbeel, California 95008 Phone 408-246-4217  
License Type "A", Hazmat ID# A-488826
7. Consultant TMC Environmental, Inc.  
Address 13908 san pablo Ave.,  
City San pablo, California Phone 415-232-8366

8. Contact Person for Investigation

Name Tom Edwards Title President

Phone 415-232-8366

9. Total No. of Tanks at facility 1

10. Have permit applications for all tanks been submitted to this office? Yes [  ] No [  ]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name Erickson, Inc. EPA I.D. No. CAD 009 466 392

Address 255 parr Blvd.

City Richmond State CA Zip 94801

b) Rinsate Transporter

Name Same EPA I.D. No. \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

c) Tank Transporter

Name Same EPA I.D. No. \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

d) Tank Disposal Site

Name Same EPA I.D. No. \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

e) Contaminated Soil Transporter

Name \_\_\_\_\_ EPA I.D. No. \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

12. Sample Collector

Name Chris Nielson-Cerquone  
 Company TMC Environmental, Inc.  
 Address 13908 San pablo Ave.  
 City San pablo State CA Zip 94806 Phone 415-232-8366

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
300 g. 550	Waste Oil  <i>Collect one sample per 20' of piping</i>	Soil	Center, 1.5' below tank

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

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

15. NFPA methods used for rendering tank inert? Yes [X] No [ ]

If yes, describe. Minimum 20 lbs. dry ice per 1,000 gallon tank 4 hours prior to removal. Verify less than 10% LEL and oxygen prior to removal and transport. LEL and oxygen content will be measured with An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name Anametrix, Inc.  
 Address 1961 concourse Dr., Suite E  
 City San jose State CA Zip 95131  
 State Certification No. 151

*Piping must be drained into tank before tank pumped + inerted. All piping must be removed or plugged.*

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
TPH as gas	5030	GCFID (5030) <i>Soil detect limit</i> 1.0 ppm
TPH as diesel	3550	" " 1.0 ppm
BTEX		EPA 8020 0.005 ppm
Halo. org.		EPA 8010
Oil & Grease		<del>EPA 503 D</del> 50.0 ppm
<i>Semivolatiles</i>	<i>specif. PCB*, PCP*, PNA, Creosote</i>	8270
<i>Metals: Cd, Cr, Pb, Zn, Ni</i>		ICAP or AA

*If found, analyze for:*  
*Dibenzofurans (PCBs)*  
*Dioxins (PCP)*

18. Submit Site Safety Plan

19. Workman's Compensation: Yes [  ] No [  ]

Copy of Certificate enclosed? Yes [  ] No [  ]

Name of Insurer American States Insurance

20. Plot Plan submitted? Yes [  ] No [  ]

21. Deposit enclosed? Yes [  ] No [  ]

22. Please forward to this office the following information within 60 days after receipt of sample results.

\* {

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

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 and safety.

\* } I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. 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.

Signature of Contractor

Name (please type) Gene L. Failing

Signature *Gene L. Failing*

Date 8-17-90

Signature of Site Owner or Operator

Name (please type) ~~Dave~~ LEE Cavanaugh

Signature *Lee R. Cavanaugh*

Date 8/17/90



**SITE SAFETY PLAN  
UNDERGROUND TANK REMOVAL**

**Cavanaugh Motors  
1700 Park Street  
Alameda, California 94501**

**August 16, 1990  
TMC Project No. 109001**

## 1.0 INTRODUCTION

This document describes the health and safety procedures for the removal of a 300 gallon waste oil tank at Cavanaugh Motors, 1700 Park Street, Alameda, California. All personnel from TMC Environmental, Inc. (TMC) and subcontractors will follow this plan. The prime responsibility for employee safety lies with each company for its own employees. It is expressly intended that all project work comply with applicable sections of the California Occupational Health and Safety Code. All parties working on this project will maintain a general responsibility to identify and correct any health and safety hazards and are responsible for working in a safe manner.

## 2.0 PROJECT DESCRIPTION

The tank removal involves the excavation of potentially contaminated soils and unearthing of a 300 gallon waste oil tank. The work to be performed will include the excavation and stockpiling of contaminated soils and the manifested disposal of an underground tank. A soil sample will be collected approximately two feet below the tank. The sample will be analyzed by a local certified laboratory under proper chain of custody for constituents as required by State and local agencies. The excavation will be back filled, compacted and resurfaced to grade with like material.

## 3.0 KEY PERSONNEL

The project personnel who will have overall responsibility for the safe operation of this project are:

Project Manager: Tom Edwards  
(415) 232-8366

Gene Failing  
(408) 246-4217

Safety Officer: Chris Nielson-Cerquone  
(415) 232-8366

### 3.1 Project Manager and Safety Officer Responsibilities

The responsibilities of the Project Managers and Safety Officers are:

- o To conduct initial site safety training for all project field team members as described in this document,
- o To assure all field team personnel have read and understand the Health and Safety Plan,
- o To assure all work performed by field personnel is conducted in accordance with safe practices outlined in this plan,
- o To coordinate with safety personnel fire-watch, traffic control and site security,
- o To monitor activities to assure the proper use of personal protective equipment such as hard hats, protective eye wear, gloves, coveralls, respirators, etc,
- o To monitor ambient hydrocarbon vapors,
- o To make certain personnel safety equipment is in a usable condition, and
- o To shut down or modify field work activity based on criteria presented in Section 12.0.

### 3.2 SubContractor Responsibilities

The responsibilities of the subcontractor with respect to safety are:

- o To read, understand and accept this Health and Safety Plan,
- o To assure all members of its crew attend the safety training program,
- o To make certain equipment and other machines are properly inspected and maintained and are in compliance with applicable sections of the California Health and Safety Code,
- o To supply and maintain safety related protective equipment such as hard hats, safety boots, protective

coveralls, gloves, safety eye wear, respirators, etc., as specified in this plan,

- o To assure each employee working at this site read and comply with this Health and Safety Plan, and
- o To enforce corrective action under the direction of the Site Safety Officer.

### **3.3 Field Team Member Responsibilities**

The responsibilities of the field team members are:

- o Read, understand and follow this plan,
- o Perform work safety,
- o Cooperate with safety personnel,
- o Report any unsafe conditions to the immediate supervisor, and
- o Be aware and alert for signs and symptoms of potential exposure to site contaminants and heat stress.

### **4.0 HAZARD EVALUATION**

As air, water, soil and chemical substance monitoring data become available for all site work, the information will be evaluated by the Site Safety Officer. Appropriate action in the form of Health and Safety modifications will be initiated by the Safety Officer if necessary.

The anticipated activities of this project include:

- o Excavation, removal and disposal of a subsurface soil. The excavation will be resurfaced with clean, like material to grade,
- o Removal of one 300 gallon waste oil tank,
- o Collection of soil or water sample,
- o Analyses of collected samples by a California State Certified laboratory, and
- o Monitoring of ambient hydrocarbon concentrations during project activities.

The general types of hazards associated with this project are:

- o Mechanical hazards: swinging objects, machinery, etc,
- o Electrical hazards: buried cables and overhead power lines,
- o Chemical hazards: waste oil, and its associated constituents,
- o Fire hazards: natural gas and product lines, flammable petroleum hydrocarbons, and motor driven equipment,
- o Thermal hazards: heat stress, and
- o Acoustical hazards: excessive noise created by machinery.

Job hazard analyses associated with each major work activity are presented in the following sections.

#### 4.1 Hazard Evaluation: Soil Excavation

Excavating contaminated soil will potentially expose field personnel to the following hazards:

- o Chemical hazards:
  - Exposure to various chemical substances, including but not limited to, petroleum hydrocarbon liquids and vapors, caustic and acidic mists, liquids and solids.
- o Physical hazards:
  - operating machinery,
  - falling objects, and
  - exposure to outside temperature extremes.
- o Fire, Electrical and Noise Hazards:
  - underground gas and product lines, and
  - excessive machinery noise.

#### 4.2 Hazard Evaluation: Solid and Liquid Materials Sampling

Soil will be collected for analyses in a backhoe bucket above ground. A groundwater sample may be collected from the tank excavation using a bailer. The samples may contain high levels of hazardous chemicals creating the potential for chemical exposure through inhalation and skin contact. Sample collecting may pose one of the greatest risks of chemical exposure for site workers.

#### 4.3 Hazard Evaluation: Packaging and Shipment of Liquid or Solid Samples

The potential for overexposure to hazardous gasoline constituents still exist during the shipment of samples to the lab. After the samples have been collected in brass tubes or appropriate sample bottles, the containers will be properly packaged to protect shipping and laboratory personnel from exposure. The hazards associated with shipping samples are minimal provided the containers are prevented from leaking or breaking.

### 5.0 HAZARD CRITERIA

#### 5.1 Hydrocarbon Vapors

Exposure to elevated levels of hydrocarbon vapors presents potential health risks that need to be properly controlled. Work practices and methods will be instituted to limit exposures. Where elevated exposures persist, respiratory protection will be the primary control method to protect personnel from inhalation of hydrocarbon vapors. The hydrocarbon vapors expected to be encountered during project activities are composed of a variety of volatile and non-volatile refined petroleum compounds. The majority of these have limited toxicity requiring minimal controls at the concentrations expected.

There are certain compounds such as benzene that present significant hazards and must be properly controlled. To do so, a working limit of 100 ppmv total hydrocarbon is proposed as the maximum acceptable level of exposure without respiratory protection. In a typical situation with 1% of the hydrocarbon vapors being benzene, a 100 ppmv concentration of total hydrocarbon will result in a breathing zone of less than 1 ppmv benzene. This level is one tenth of the current occupational Permissible Exposure Limit (PEL) for an 8 hour exposure to benzene. A Bacharach 503 vapor analyzer will be used to measure real time breathing zone concentration for comparison with the 100 ppmv working limit. When a persistent level of 100 ppmv is observed, appropriate respirators will be donned and other vapor measurements will be made. If hydrocarbon vapors exceed 1000

ppmv, work will be stopped. The field crew will be instructed to stay up wind and methods will be applied to subdue fugitive vapor emissions such as sprinkling soil with water, or the use of a copes blower. The Site Safety Officer will make such determinations.

## 5.2 Heat Stress and Noise

A hazard exists when individuals are required to work in warm temperatures, particularly while wearing impervious protective clothing. When the ambient air temperature exceeds 65 degrees, heat stress may become a problem. If these conditions are encountered, the following precautions will be taken:

- o During day-to-day field work, the on-site supervisor will be alert for the signs and symptoms of heat stress.

Field workers will be observed for the following signs and symptoms of heat stress.

- o profuse sweating, or complete lack of sweating,
- o skin color change,
- o increased heart rate,
- o body temperatures in excess of 100 degrees as measured by thermometers, and
- o vision problems.

Any team member who exhibits any of these signs or symptoms will be removed immediately from field work and be requested to consume electrolyte fluid or cool water while resting in a shaded area. The individual will be instructed to rest until the symptoms are no longer recognizable. If the symptoms appear critical, persist or get worse, immediate medical attention will be sought.

When working around mechanical equipment the potential exists for exposure to excessive noise. To deal with the health hazards of excessive noise, ear plugs will be provided.

## 6.0 PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS

This section specifies personal protective equipment required for the various tasks of this project.

## 6.1 Soil Excavation

**Respiratory Protection:** all field personnel will be required to have available an air purifying respirator with organic vapor cartridges. The respirators will be required based on criteria listed in Section 5.1.

**Protective Clothing:** all field personnel who handle contaminated soil or liquid will wear impervious coveralls and butyl rubber gloves. Impervious coveralls will not be required if soil or water is not visibly contaminated, or if vapor measurements are below 500 ppmv.

**Head Protection:** Field personnel will wear non-metallic safety helmets.

**Foot Protection:** Field personnel will wear neoprene rubber boots with steel toes. Under non-liquid exposure conditions, leather boots with steel toes and shanks are permissible.

**Ear Protection:** Field personnel, based on noise levels, may be required to wear earplugs during soil excavation.

**Eye Protection:** Field personnel will wear chemical-resistant safety glasses with attached side shield where splashes of potentially hazardous liquid or particles are likely.

## 6.2 Soil and Liquid Sample Collection

Personnel who are likely to be exposed to contaminated soil or water samples will be required to wear the same personal protective equipment as outlined in section 6.1

## 6.3 Packaging and Shipment of Liquid and Solid Samples

**Eye Protection:** Personnel will wear chemical resistant safety glasses with attached side shield while packaging samples.

**Hand Protection:** butyl rubber or nitrile gloves will be worn while packaging the samples.

**Packaging and Shipping Requirements:** all samples which are to be shipped for analysis must comply with Department of Transportation (DOT) regulations, as follows:

- o Package the primary container to protect it from breaking,
- o tape all lids with hydrocarbon resistant tape,
- o wrap the primary container with absorbent brown paper



(wadding), and

- o place the primary container in a plastic (zip-loc) bag.

## 7.0 WORK ZONES

During the tank removal, a work zone around the immediate vicinity of the project will be established and taped off. Only authorized personnel will be permitted to enter the work zone. Authorized personnel will include those who have duties requiring their presence in the work zone and have read this site safety plan. Work zones are also created to aid in the decontamination of equipment and personnel. The following describes the zones to be established:

- o **Exclusion Zone:** A 75 foot circle around the work area will be defined before work starts. The area inside the circle will constitute the "Exclusion Zone". The exclusion zone constitutes the area where potentially hazardous airborne contaminants and physical hazards to the workers exist. Full personal protection must be available to all personnel in this area. The size of the Exclusion Zone may be changed to accommodate site conditions and to ensure contaminant containment.
- o **Contamination Reduction Zone:** A formal decontamination zone should not be required during the tank removal. However, an area will be designated in the event extreme waste oil contamination is encountered. The decontamination zone will be an area where personnel can clean protective equipment. A waste container will be placed outside of the exclusion zone so contaminated equipment can be placed inside and covered.
- o **Support Zone:** A support zone, the outermost zone, must be defined for each field activity. Support equipment is located in this uncontaminated or clean area. Normal work clothes are appropriate within this zone. The location of this zone depends on factors such as accessibility, wind direction (it should be up wind of excavation), and resources (e.g. roads, utilities, shelter).

## 8.0 DECONTAMINATION PROCEDURES

Petroleum hydrocarbon liquids and vapors are anticipated. However, no formal decontamination procedure will be followed with the exception of general cleaning. No eating, drinking or smoking will be permitted in the exclusion zone. All personnel involved in work activities will be instructed to wash their

hands, face, neck and forearms at the end of the work day. Soap, water and towels will be provided at the site for this purpose. The field personnel will also be instructed to shower at home at the end of each work day.

As work progresses, the nature of materials handled and the extent of contamination may possibly require formal decontamination procedures and delineated work/clean zones. However, we do not expect that such formal procedures will be necessary at this site and will only proceed at the Safety Officers discretion.

In the event extreme contamination is encountered, decontamination of personnel, equipment and vehicles will be important to insure that contamination does not spread to unsuspecting people and property. Personal decontamination mainly involves personal hygiene. Contamination should not be present on the skin if the proper protective methods specified in this plan are used. However all field personnel will be instructed to follow these guidelines to ensure that contamination does not remain on equipment, sample containers or in contact with their bodies.

The field team should remove their personal protective clothing in the following sequence:

Step 1: Move out of the exclusion zone and into the decontamination zone. Do not remove personal protective equipment.

Step 2: Obtain decontamination solutions and decontaminate the spades, shovels and other equipment by brushing them under a water rinse. A high-pressure steam cleaner may also be used for decontamination. All wastes and spent decontamination liquids will be properly contained.

Step 3: Remove outer gloves and coveralls and place them inside a garbage bag. Keep the air purifying respirator on.

Step 4: Move to the support zone and remove the respirator.

## 9.0 MONITORING PROGRAM

Personal exposure to ambient airborne hazards will be monitored to assure that personnel exposures do not exceed acceptable limits and that appropriate selection of protective equipment items is made. Airborne hydrocarbon vapor concentrations will be measured primarily by the use of a Bacharach 503 sniffer. If concentrations approach criteria levels, all personnel will be notified of possible site safety changes. Audits will be conducted by the Safety Officer to insure compliance with the

Safety Plan and to provide additional support as required.

### 9.1 Ambient Vapor Reading

A Bacharach 503 sniffer vapor monitor will be used during drilling and excavation activities. This instrument will be used to measure both excavation and breathing zone concentrations of hydrocarbon vapors. The instrument will be calibrated before and after field measurements each day using known calibration gases. Readings will be taken in the area where the field team members are working and surrounding down-wind areas. Measurements will be taken every 30 minutes when hydrocarbon vapors indicate levels above 30 ppmv. All readings will be recorded in a field notebook.

## 10.0 SAFETY AND HEALTH TRAINING

This section summarizes the content of the health and safety training to be provided to the field team. It may be used as a future reference for the field team concerning health and safety matters.

Each section of this plan is intended to provide information to accomplish safety for all workers. It will be the responsibility of the Project Safety Officer to assure the field team has access to this plan, reads the safety procedures, and understands how to conduct work safely. It will be the individuals responsibility to bring to the attention of the Safety Officer any portion of this plan and related training they do not fully understand. Prior to beginning site work, the field team will discuss the contents of this plan and make sure all members are adequately informed in safe work practices.

All field team members will be instructed regarding potential health and safety hazards. Specifically, the following topics will be covered in the initial training session:

- o Physical safety hazards, (e.g., muscular stress and strain, unguarded equipment, electrical shock, overhead hazards, etc.),
- o Emergency procedures, (vapor controls, medical and fire emergencies, etc.),
- o Explosive/flammability hazards,
- o Hazardous materials that may be encountered and potential routes of exposures, (inhalation and skin contact with petroleum hydrocarbons),
- o Physical hazards such as noise and heat stress,

- o Hygienic practices, (washing up before lunch/coffee breaks, no eating/drinking/smoking allowed in taped off areas, etc.), and
- o Types, proper use, limitations, maintenance, inspection, and storage of protective clothing and equipment.

Personal protective equipment includes:

- o eye protection, gloves, coveralls, respirators, hard hats, and hearing protection.

Special emphasis will be placed on the use and limitations of respiratory protection. Half-mask respirators equipped with air purifying organic vapor cartridges will be used. Half-mask respirators and eye goggles will be used if eye irritation or skin contact exposure potential exists. Each individual will be responsible for the limitations and maintenance of half-mask and full-face respirators including qualitative fit testing, routine inspection, replacement of parts, cleaning, disinfection, and storage requirements. Written instructions and procedures concerning respirators and criteria for use will be provided for each field worker by the Site Safety Officer if needed.

#### **11.0 MEDICAL MONITORING PROGRAM**

The tank removal is expected to involve active physical work and potential exposure to petroleum hydrocarbons, heat stress, noise and physical safety hazards common to subsurface operations. The work will require people of reasonable health with normal vision and hearing acuity. The companies involved with this project are responsible for assuring the health and fitness of their employees on this project. As a general rule, each worker should have clearance from a physician dated no later than one year prior to start-up of the project. This documentation should also indicate the employees' ability to perform the required work while wearing an air purifying respirator.

#### **12.0 EMERGENCY RESPONSE PLAN**

Emergency procedures listed in this plan are designed to give the field team instruction on how to handle medical emergencies and fires and explosions. The emergency procedures will be carefully reviewed with the field team during the health and safety training session.

### 12.1 Injuries

Medical problems occurring on site will be handled quickly. Emergency telephone numbers will be written down and posted in the passenger compartment of the field vehicles. The local emergency numbers are:

**Alameda Police, Fire and Rescue                      Dial 911**

The field team will be instructed to seek immediate professional medical attention for all serious injuries. A first aid kit will be present at the work site for use in case of minor injuries. If anyone receives a splash or particle in the eye, the field team will be instructed to irrigate the eye for 15 minutes. Instruction will also be provided to wash any skin areas with soap and water if direct contact with contaminants has occurred.

### 12.2 Fire and Explosion Hazards

Fires on site are of particular concern during soil excavation and removal activities due to the possibility of encountering flammable petroleum hydrocarbon liquid or vapors. During these activities the Site Safety Officer will be present and equipped with an explosive vapor monitor for area monitoring and a multi-purpose (A, B, C,) fire extinguisher.

The local fire department will be notified of the location and anticipated activities in order to minimize the fire risk to the surrounding neighborhood. In addition, any flammable material will be cleared away from the site prior to the start of work. If a fire does occur, the local fire department will be contacted immediately.

### 12.3 Operation Shutdown

Under extreme hazardous situations the on-site supervisor, Safety Officer, or Project Manager may request that operations be temporarily suspended while the underlying hazard is corrected or controlled. If vapor measurements with the explosive vapor monitor show levels approaching explosive limits, operations will be stopped while the area is controlled. During this activity, all personnel will be required to stand up wind to prevent exposure to fugitive vapor emissions. The Safety Officer will have ultimate authority for operations shutdown.

### 12.4 Community Protection

To assure the community is protected from health and fire hazards, up wind and downwind monitoring with the Bacharach 503 sniffer will be performed if the general work area has hydrocarbon levels exceeding 100 ppmv. If down wind monitoring indicates persistent levels above 30 ppmv at the perimeter of the

work area, work will be shut down and vapor emission control efforts will be instituted until measurements demonstrate levels have dropped below 30 ppmv. An alternative approach of expanding the taped off area zone may be used to provide additional community protection.

### 13.0 RECORD KEEPING REQUIREMENT

The following record keeping requirements will be maintained in the program file indefinitely. The particular organization responsible for these records are also listed.

- o Copy of this Health and Safety Plan - TMC
- o Health and Safety Training Certification Form for Site Safety Officer - TMC
- o Any accident/illness report forms - All Parties
- o Personal sampling results - TMC
- o Documentation of employees medical ability to perform work and wear respirators - All parties

### 14.0 REMARKS AND SIGNATURES

This Site Safety Plan was prepared following current standards and practices. All work performed at Cavanaugh Motors will be performed under the supervision of a California Registered Engineering Geologist.

Prepared By:

Chris Nielson-Cerquone  
Vice President

Approved By:

Mark Youngkin  
California Registered  
Engineering Geologist  
No. 1380

**PRODUCER**

H. E. (ED) MATHIAS & CO.  
 P. O. BOX 2489  
 SARATOGA, CA. 95070  
 (408) 866-9422

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

**COMPANIES AFFORDING COVERAGE**

COMPANY LETTER <b>A</b>	AMERICAN STATES INSURANCE COMPANY
COMPANY LETTER <b>B</b>	(Replaces cert. dated 8/13/90)
COMPANY LETTER <b>C</b>	
COMPANY LETTER <b>D</b>	
COMPANY LETTER <b>E</b>	

**INSURED**

GENE L. FAILING  
 GENE FAILING BACKHOE SERVICE  
 HOE-4-RENT  
 3924 MIDDLETOWN COURT  
 CAMPBELL, CA. 95008

**COVERAGES**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE 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. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
	<b>GENERAL LIABILITY</b> COMMERCIAL GENERAL LIABILITY CLAIMS MADE OCCUR. OWNER'S & CONTRACTOR'S PROT.				GENERAL AGGREGATE PRODUCTS-COMP/OP AGG. PERSONAL & ADV. INJURY EACH OCCURRENCE FIRE DAMAGE (Any one fire) MED. EXPENSE (Any one person)
	<b>AUTOMOBILE LIABILITY</b> ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS GARAGE LIABILITY				COMBINED SINGLE LIMIT BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE
	<b>EXCESS LIABILITY</b> UMBRELLA FORM OTHER THAN UMBRELLA FORM				EACH OCCURRENCE AGGREGATE
<b>A</b>	<b>WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY</b>	WC180491-3	1-25-90	1-25-91	STATUTORY LIMITS EACH ACCIDENT \$ 500,000 DISEASE--POLICY LIMIT \$ 500,000 DISEASE--EACH EMPLOYEE \$ 500,000
	<b>OTHER</b>				

**DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS**

JOB: 1700 Park Street, Alameda, CA.

**CERTIFICATE HOLDER**

County of Alameda  
 80 Swan Way, Room 200  
 Oakland, Ca. 94621

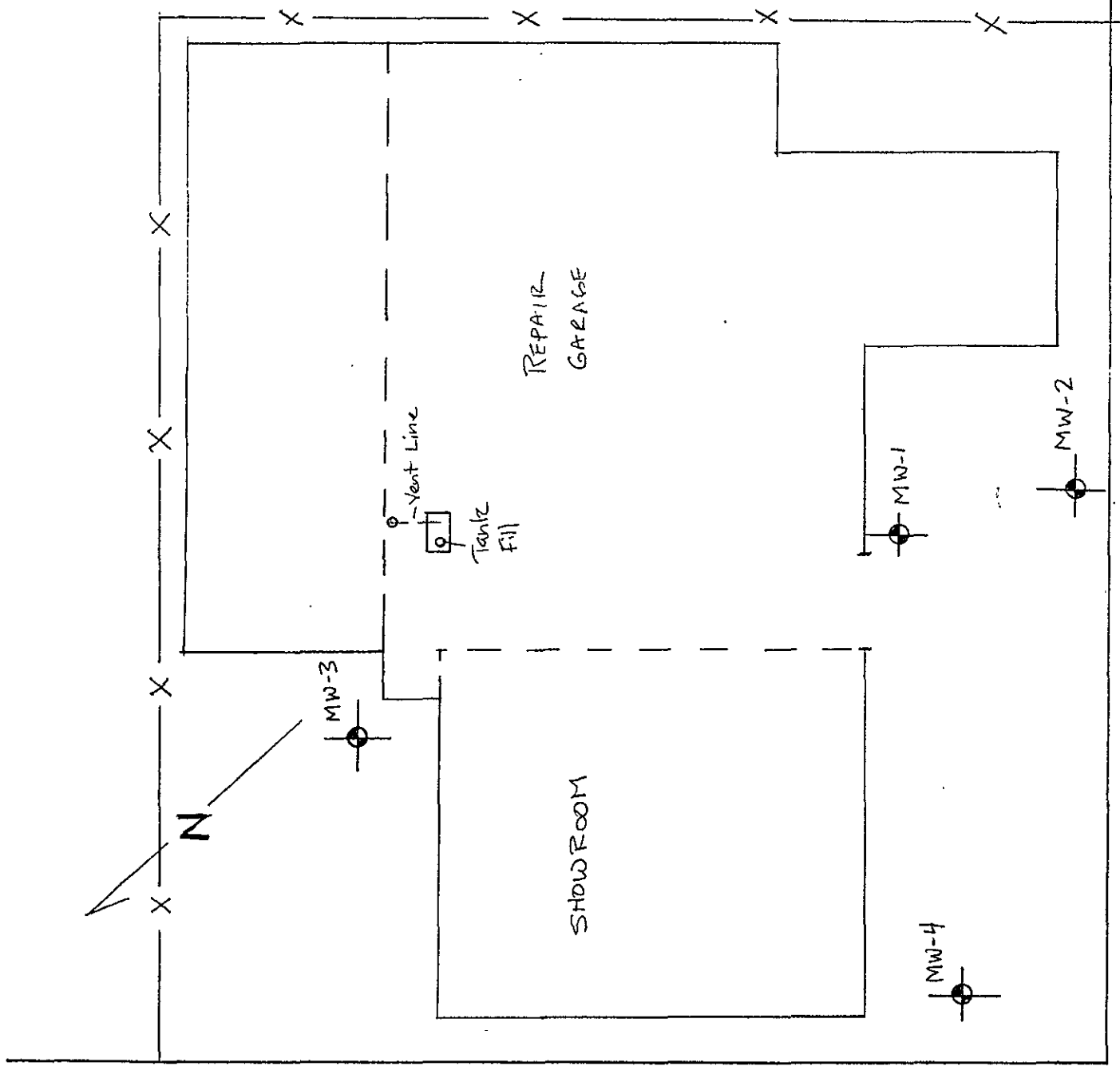
**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

**AUTHORIZED REPRESENTATIVE**

BY: *Henry E Mathias*  
 Henry E Mathias

CAVANAUGH MOTORS  
1700 PARK STREET  
ALAMEDA, CA 94501



PARK STREET

BUENA VISTA AVE



**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**

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH  
470 - 27 1/2 Oakland Ave. Floor 2  
Oakland, CA 94612  
Telephone: (415) 271-7237

These plans have been reviewed and found to be acceptable and usefully in compliance with the provisions of State and local health laws. Changes to the plans may be made by the Department, but no additional charges will be assessed for issuance of a permit and for the plan's implementation. Any party who has been notified of these plans and specifications may be advised to file a written objection with the Department and to be heard on the matter. The Department will schedule a hearing on the matter if all parties and their representatives are not involved with the matter.

Any change or revisions of these plans and specifications may be submitted to the Department and for the Department's approval. The Department will determine if the changes meet the requirements of State and local laws. Notwithstanding, the Department will not be held responsible for following required regulations.

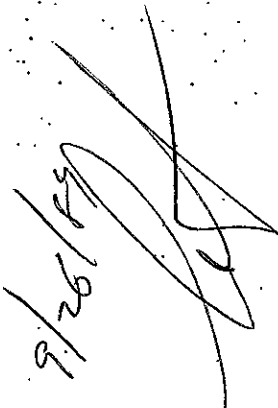
\_\_\_\_\_ Removal of Tank and Piping

\_\_\_\_\_ Sealing

\_\_\_\_\_ Installation

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

THE STATE OF CALIFORNIA PENALTY FOR NOT OBTAINING THESE PERMITS:

9/26/89  


**UNDERGROUND TANK CLOSURE/MODIFICATION PLANS**

1. Business Name Cavanaugh Motors  
Business Owner Dave Cavanaugh
2. Site Address 1700 Park Street  
City Alameda Zip 94501 Phone (415)523-5250
3. Mailing Address Same  
City \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_
4. Land Owner Same  
Address \_\_\_\_\_ City, State \_\_\_\_\_ Zip \_\_\_\_\_
5. EPA I.D. No. CAD-982019994
6. Contractor Scott Co., Jay Groh  
Address 1919 Market  
City Oakland, CA 94607 Phone (415)834-2333  
License Type A-Gen. Eng. ID# 184480
7. Consultant N/A  
Address N/A  
City N/A Phone N/A

4552.895  
333.00  
9.20.89

Tank  
Removed in December, per Dave Cavanaugh.

8. Contact Person for Investigation

Name Dave Cavanaugh Title Owner  
Phone (415)523-5246

9. Total No. of Tanks at facility 1

10. Have permit applications for all tanks been submitted to this office? Yes [] No []

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name N/A EPA I.D. No. \_\_\_\_\_  
Address \_\_\_\_\_  
City N/A State \_\_\_\_\_ Zip \_\_\_\_\_

b) Rinsate Transporter

Name H&H Environmental Services EPA I.D. No. CAD-00477168  
Address 220 China Basin Street  
City San Francisco, State CA Zip 94107

c) Tank Transporter

Name H&H Environmental Services EPA I.D. No. CAD-00477168  
Address 220 China Basin Street  
City San Francisco, State CA Zip 94107

d) Tank Disposal Site

Name Levin Metals EPA I.D. No. \_\_\_\_\_  
Address \_\_\_\_\_  
City Richmond State CA Zip 94124

e) Contaminated Soil Transporter

Name N/A EPA I.D. No. N/A  
Address N/A  
City N/A State \_\_\_\_\_ Zip N/A

12. Sample Collector

Name Bill McCarthy - Follow LUFT GUIDELINES  
 Company West Labs  
 Address 1046 Olive Drive, Suite 3  
 City Davis State CA Zip 95616 Phone (916)735-9500

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
550 ga.	gasoline  + *	Soil	Below tank 1-sample at each end of tank.  + SAMPLE From Below DISPENSER

14. Have tanks or pipes leaked in the past? Yes [ ] No [x]

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

15. NFPA methods used for rendering tank inert? Yes [x] No [ ]

If yes, describe. Triple rinse 15% dry ice. Explosion meter on site.  
 \_\_\_\_\_  
 \_\_\_\_\_

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name West Labs  
 Address 1046 Olive Drive Suite 3  
 City Davis State CA Zip 95616  
 State Certification No. 340

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
gasoline	Test for BTX. Total (hydro-chem) for gas pence and trap. Preparation #5030 (EPA).  + Ground water analysis if Ground water is present.	EPA 80-15 Modified an 80-20  - TPH - BTX

18. Submit Site Safety Plan

19. Workman's Compensation: Yes  No

Copy of Certificate enclosed? Yes  No

Name of Insurer Argonaut Insurance Co.

20. Plot Plan submitted? Yes  No

21. Deposit enclosed? Yes  No

22. Please forward to this office the following information within 60 days after receipt of sample results.

- a) Chain of Custody Sheets
- b) Original Signed Laboratory Reports
- c) TSD to Generator copies of wastes shipped and received
- d) Attachment A summarizing laboratory results

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 and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. 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.

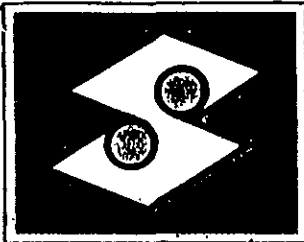
Signature of Contractor

Name (please type) JAY GILBERT SCOTT Co  
Signature Jay Gilbert  
Date 9/14/79

Signature of Site Owner or Operator

Name (please type) DAVE CAUMBAUGH  
Signature Dave Caumbaugh  
Date 9/14/79

- 1) FENCE ON FULL PIT
- 2) GROUND WATER PRESENCE - RECOMMEND EVACUATING PIT PRIOR TO SAMPLING GROUND WATER
- 3) MONITOR AIR LEVELS OF FUMES FOR RESPIRATOR DOWNING
- 4) STOCK PILE  
- COVER  
- RECOMMEND COMPOSITE SAMPLE BE TAKEN



**SCOTT CO.**

MECHANICAL CONTRACTORS  
1919 Market Street  
P.O. Box 12954  
Oakland, California 94604  
(415) 834-2333

Contractors License No. 184480

**SAFETY PLAN  
TANK REMOVAL AT 1700 PARK STREET  
ALAMEDA, CA 94501**

**General Contractor:** Scott Co. of California  
1919 Market Street  
Oakland, CA 94607

**Project Manager:** Jay Groh

**On Site Coordinator:** Bill McCarthy

Mr. McCarthy will have in his possession two A:B:C: rated fire extinguishers and Type C protective clothing. Also, he will have a first aid kit and telephone numbers of all emergency personnel. He will have respirators, which will be at everyone's disposal.

The explosive meter that can detect the level of oxygen and hydrocarbon, will be supplied by the contractor and operated by Mr. McCarthy. After the tank has been triple rinsed, dry ice will be applied to 15% of the tanks volume.

If any questions should arise in reference to this safety plan, please contact Jay Groh at (415) 834-2333, extension 3380.

JG:cjh

# ACORD CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)  
5/1/89

PRODUCER BROKER

RB

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

Corroon & Black  
50 California Street  
San Francisco, CA 94111  
Tel: (415) 981-0600

CODE SUB-CODE

## COMPANIES AFFORDING COVERAGE

COMPANY LETTER	A	Argonaut Insurance Company
COMPANY LETTER	B	
COMPANY LETTER	C	
COMPANY LETTER	D	
COMPANY LETTER	E	

INSURED  
Scott Co. of California  
Scott Broadway Contractors  
1919 Market Street  
Oakland, CA 94607

## COVERAGES

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CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	ALL LIMITS IN THOUSANDS
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS MADE X OCCUR. OWNER'S & CONTRACTORS PROT	LC 76-490 210969	5/1/89	5/1/90	GENERAL AGGREGATE \$ 2,000 PRODUCTS-COMP/OPS AGGREGATE \$ 1,000 PERSONAL & ADVERTISING INJURY \$ 1,000 EACH OCCURRENCE \$ 1,000 FIRE DAMAGE (Any one fire) \$ 50 MEDICAL EXPENSE (Any one person) \$ 5
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS GARAGE LIABILITY	CA 76-490 210970	5/1/89	5/1/90	CSL \$ 1,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$
A	EXCESS LIABILITY OTHER THAN UMBRELLA FORM WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY OTHER	WC 76-490 210968	5/1/89	5/1/90	STATUTORY CA \$ 1,000 (EACH ACCIDENT) \$ 1,000 (DISEASE-POLICY LIMIT) \$ 1,000 (DISEASE-EACH EMPLOYEE)

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS  
All operations performed by or for the Named Insured for the Certificate Holder.

## CERTIFICATE HOLDER

Alameda County Health Dept.  
470 - 27th Street #332.  
Oakland, CA 94612

## CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES

AUTHORIZED REPRESENTATIVE



# BAY AREA AIR QUALITY MANAGEMENT DISTRICT

339 ELLIS STREET  
SAN FRANCISCO CALIFORNIA 94109  
415/771-6000

92756

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

### NOTIFICATION FORM

- Removal or Replacement of Tanks
- Excavation of Contaminated Soil

### SITE INFORMATION

SITE ADDRESS <u>1700 PARK ST <del>Alameda</del></u>	
CITY, STATE, ZIP <u>Alameda, Ca 94501</u>	
OWNER NAME <u>Carrivough Motors</u>	
SPECIFIC LOCATION OF PROJECT <u>- same -</u>	
<b>TANK REMOVAL</b>	<b>CONTAMINATED SOIL EXCAVATION</b>
SCHEDULED STARTUP DATE <u>Oct, 5, 1989</u>	SCHEDULED STARTUP DATE _____
VAPORS REMOVED BY:	STOCKPILES WILL BE COVERED? YES _____ NO _____
<input checked="" type="checkbox"/> WATER WASH	ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW): <u>N/A</u>
<input checked="" type="checkbox"/> VAPOR FREEING (CO <sub>2</sub> ) <u>dry ice</u>	_____
<input type="checkbox"/> VENTILATION	(MAY REQUIRE PERMIT)

### CONTRACTOR INFORMATION

NAME <u>SCOTT Co</u>	CONTACT <u>Jay Gosh</u>
ADDRESS <u>1919 Market St</u>	PHONE (415) <u>834-2333</u>
CITY, STATE, ZIP <u>OAKLAND Ca 94607</u>	

### CONSULTANT INFORMATION (IF APPLICABLE)

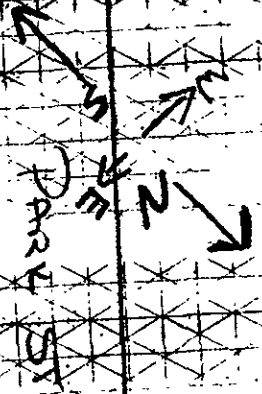
NAME _____	CONTACT _____
ADDRESS <u>N/A</u>	PHONE ( ) _____
CITY, STATE, ZIP _____	

### FOR OFFICE USE ONLY

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



BUENA VISTA



1700 Park

Parking lot

Parking

1st St

office

SERVICE BAYS

SERVICE ENTRANCE



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)

Certified Mailer #: P 062 127 837

March 30, 1990

Mr. Dave Cavanaugh  
c/o Cavanaugh Motors  
1700 Park Street  
Alameda, California 94501

Subject: Extension of Workplan and Report Deadlines for  
Contamination Investigation at 1700 Park Street in  
Alameda, California

Dear Mr. Cavanaugh:

Per your Chris Cerquone's request, we are extending the deadline for your workplan from March 31 to April 15, 1990. We are also extending the deadline for the technical report from June 30 to July 15, 1990.

Should you have any questions, please feel free to contact me at 271-4320.

Sincerely,

A handwritten signature in cursive script that reads "Katherine A. Chesick".

Katherine A. Chesick  
Senior Hazardous Materials Specialist

cc: Chris Cerquone, Tom Edwards and Associates  
Steve McKinley, Alameda Fire Department  
Lester Feldman, Regional Water Quality Control Board,  
San Francisco Bay Region  
Howard Hatayama, State Department of Health Services  
Gil Jensen, Alameda County District Attorney, Consumer and  
Environmental Protection Division  
Rafat A. Shahid, Alameda County Environmental Health Department  
Files

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PS Form 3800, June 1985

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1.  Show to whom delivered, date, and addressee's address. (Extra charge)      2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Mr. Dave Cavanaugh 90 Cavanaugh Motors 1700 Park St. Alameda, CA 94501	4. Article Number 062 127 837
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
5. Signature - Address <i>[Signature]</i>	Always obtain signature of addressee or agent and DATE DELIVERED.
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ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH  
470 - 27th Street, Third Floor  
Oakland, California 94612  
(415)

Certified Mailer #: P 062 127 899

February 14, 1990

Mr. Dave Cavanaugh  
c/o Cavanaugh Motors  
1700 Park Street  
Alameda, California 94501

Subject: Neglect to Notify of Intent to Remove an Underground  
Storage Tank from 1700 Park Street in Alameda, California

Dear Mr. Cavanaugh:

We have learned that an underground tank was removed from Cavanaugh Motors, 1700 Park Street, Alameda, in December 1990. Our office issued a permit for the removal of this tank. However, the permit stipulated that we be notified 48 hours in advance of the tank removal so that someone from our office could witness soil sample collection. We have no record of being notified of the tank removal date and hence did not witness the soil sample collection. **We therefore are fining you for non-notification. You must submit a check, payable to Alameda County, for \$333. This check must be submitted to our office within 15 days of the date of this letter.**

Should you have any questions, please contact me at (415) 271-4320.

Sincerely,

Katherine A. Chesick  
Senior Hazardous Materials Specialist

cc: Jay Groh, Scott Company  
Steve McKinley, Alameda Fire Department  
Lester Feldman, Regional Water Quality Control Board,  
San Francisco Bay Region  
Howard Hatayama, State Department of Health Services  
Gil Jensen, Alameda County District Attorney, Consumer and  
Environmental Protection Division  
Rafat A. Shahid, Alameda County Environmental Health Department  
Files

P 062 127 899

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PS Form 3800, June 1985

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Street and No <i>1700 Park Str.</i>	
P.O., State and ZIP Code <i>Alameda, CA 94501</i>	
Postage	\$
Certified Fee	
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Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom Date and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

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Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge)  
2.  Restricted Delivery (Extra charge)

3. Article Addressed to: <i>Dave Cavanaugh 1700 Park Str. Alameda, CA. 94501 Co Cavanaugh Motors.</i>	4. Article Number <i>P 062 127 899.</i>
5. Signature - Address <i>[Signature]</i>	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Return Receipt for Merchandise
6. Signature - Agent <i>X</i>	Always obtain signature of addressee or agent and DATE DELIVERED.
7. Date of Delivery	8. Addressee's Address (ONLY if requested and fee paid) <i>1700 Park ALAMEDA CA 94501</i>

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Director



Telephone Number: (415)

Certified Mailer #: P 062 127 890

January 31, 1990

Mr. Dave Cavanaugh  
c/o Cavanaugh Motors  
1700 Park Street  
Alameda, California 94501

Subject: Initial Subsurface Investigation of the Underground  
Storage Tank Leak at 1700 Park Street in Alameda,  
California

Dear Mr. Cavanaugh:

Per your request, this letter presents our requirements for underground storage tank contamination investigations. Because 3,700 ppm total petroleum hydrocarbons were found in the soil following the removal of an underground tank from 1700 Park Street in Alameda, the extent of soil contamination and the quality of ground water must be determined.

To assess site contamination, we require that you submit a work plan which, at a minimum, addresses the items listed below and presents a timetable for their completion. Please submit this work plan within 60 days of the date of this letter.

Our office will be the lead agency overseeing the investigation of this site. The San Francisco Bay Regional Water Quality Control Board (SFRWQCB) is currently unable to oversee the large number of underground tank cases within Alameda County and has delegated the handling of this case to our Division. We will be in contact with the SFRWQCB in order to provide you with guidance concerning the SFRWQCB's investigation requirements.

All work must be performed according to the following SFRWQCB documents:

- \* Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks, 2 June 1988, revised 9 November, 1989 (2 June 1988 SFRWQCB document);
- \* Appendix A for above, 1 July 1988, revised 3 April 1989; and

Copies of these documents can be obtained by calling the SFRWQCB data management group at 464-1269. Please note the LUFT manual as a whole has not been adopted by the SFRWQCB.

Items to Address:

**1. site history.**

- A. This shall include historic site use and ownership information, a description of the types and locations of any hazardous materials used on site, and a description of any known hazardous materials spills, leaks or accidents.
- B. For each existing and former underground tank on site, include the following information:
  - a) the date of tank installation
  - b) the tank capacity and construction material
  - c) the types of materials stored in the tank
  - d) the dates the tank was used
  - e) a discussion of tank inventory reconciliation/monitoring methods and results
  - f) tank testing dates and results
  - g) estimate of quantity of product lost, if applicable
  - h) the date of tank and piping removal
  - i) the tank and piping condition at the time of removal
  - j) observations made at the time of tank and piping removal (e.g. the tank depth, a log of the stratigraphic units encountered within the excavation, ground water depth, descriptions and locations of stained or odor-bearing soil, descriptions of any free product or sheen observed on ground water, etc.).
  - k) a map showing the locations of soil and ground water samples collected during tank removal, along with chain of custody records and laboratory data sheets.
  - l) descriptions of any remedial measures conducted at the time of tank removal
  - m) copies of the TSDF to Generator manifests for all hazardous wastes removed - including liquids, residual sludges, soils, and the tank itself
  - n) any other observations

**2. Site Description.**

This shall incorporate the following information:

- A. A map which shows streets, site buildings, underground tank locations, tank islands and pipings, subsurface conduits and utilities, on-site and nearby wells, and nearby streams or water bodies.
- B. A description of the hydrogeologic setting of the site and surrounding area. Include a description of any subsurface

work previously done at the site or on adjacent sites.

**3. Determination of the vertical and lateral extent of soil contamination.**

This shall describe the method by which the contaminated soil extent will be determined.

- A. If soil samples are to be collected for contamination delineation, consult the SFRWQCB guidelines and the LUFT manual for soil sampling protocols. During drilling of all boreholes and monitoring wells, undisturbed soil samples are to be collected at a minimum of every five feet in the unsaturated zone and at any changes in lithology for logging and analytical purposes. Borings and wells are to be permitted through Alameda County Flood Control and Water Conservation District, Zone 7. Borings and wells shall be logged from undisturbed soil samples. Logs shall include observed soil odors; blow counts shall be expressed in blows per 6 inches of drive.
- B. Soil samples must be analyzed by a California State Certified Laboratory for the appropriate constituents (see Attachment 1, Table 2, 2 June 1988 SFRWQCB document).

**4. Determination of Ground Water Quality.**

Due to the potential that fuel may have already contaminated the ground water, water quality must be characterized.

- A. A minimum of three monitoring wells must be installed to determine the ground water gradient. One monitoring well must be installed within 10 feet of the tank in the down-gradient direction. If the verified down-gradient location has been established, then complete gradient data must be submitted and only one monitoring well must be installed; this well must be within 10 feet of the tank in the down-gradient direction.
- B. Monitoring wells shall be designed and constructed to be consistent with the SFRWQCB guidelines and to permit entrance of any free product into the wells. Filter pack and slot sizes for all wells should be based on particle analysis (ASTM D-422) from each stratigraphic unit in at least one boring on the site and on the types of ground water contaminants present. The well screen must be situated to intercept any floating product from both the highest and lowest ground water levels. All wells shall



be surveyed to mean sea level (MSL) to an established benchmark to 0.01 foot.

- C. Monitoring wells must be sampled. Water level and free product thickness measurements shall be made in all wells before sampling is begun. Measurement of free product must be done by an optical probe or other method having equal accuracy.
- D. Ground water samples are to be analyzed by a California State Certified Laboratory for the appropriate constituents (see Attachment 1).
- E. Ground water levels and quality must be monitored for a minimum of one year, even if no contamination is identified.

**5. Interpretation of hydrogeologic data.**

- A. Water level contour maps showing ground water gradient direction, and free and dissolved product plume definition maps of each contaminant constituent should be prepared routinely and submitted with other sampling results.

**6. Sampling and remediation or disposal of stockpiled fill and soil.**

Any stockpiled soil must be sampled and either disposed of or remediated.

The number of samples collected from the stockpile(s) must be adequate to characterize the soil for the soil handling method. Please note that no contaminated soil may be placed back into the excavation, even if contaminated soil has been treated to non-detect levels.

**7. Reporting.**

- A. A technical report must be submitted by June 30, 1990 which presents and interprets the information generated during the initial subsurface site investigation. At a minimum, the report must include the following items:

- \* site history information
- \* boring and well construction logs
- \* records of field observations and data
- \* chain-of-custody forms

Page 5 of 6  
Mr. Dave Cavanaugh  
Cavanaugh Motors  
January 31, 1990

- \* water level data
- \* water level contour map showing ground water gradient direction
- \* tabulations of soil and ground water contaminant concentrations
- \* status of soil contamination characterization
- \* description of any remedial work performed
- \* laboratory-originated analytical results for all samples collected
- \* copies of TSDF to Generator manifests for any hazardous wastes hauled off site
- \* any recommendations for additional investigative or remedial work

B. All reports and proposals must be signed by a California-Certified Engineering Geologist, California-Registered Geologist or a California-Registered Civil Engineer (see page 2, 2 June 1988 SFRWQCB document). A statement of qualifications for each lead professional should be included in all workplans and reports.

C. The technical report shall be submitted with a cover letter from Cavanaugh Motors and received in this office by the established due date. The letter must be signed by a principal executive officer or by an authorized representative of that person.

#### **8. Site Safety Plan.**

Enclosed is an "Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report" form which must be completed and returned within five working days. Please send the entire completed form to our office.

All proposals, reports and analytical results pertaining to this investigation and remediation must be sent to our office and to:

Lester Feldman  
Regional Water Quality Control Board, San Francisco Bay Region  
1800 Harrison Street, Suite 700  
Oakland, California 94612  
(415) 464-1255

You should be aware that this Division is working in conjunction with the SFRWQCB and that this is a formal request for technical reports pursuant to California Water Code Section 13267 (b).

Page 6 of 6  
 Mr. Dave Cavanaugh  
 Cavanaugh Motors  
 January 31, 1990

Failure to respond or a late response will result in referral of this case to the SFRWQCB for enforcement and may subject Cavanaugh Motors to civil liabilities imposed by the SFRWQCB to a maximum amount of \$1,000 per day. Any extensions of agreed-upon time deadlines must be confirmed in writing by either this Division or the SFRWQCB.

Should you have any questions concerning this letter, please contact me at (415) 271-4320.

Sincerely,

*Katherine A. Chesick*

Katherine A. Chesick  
 Senior Hazardous Materials Specialist

attachments

cc: Steve McKinley, Alameda Fire Department  
 Lester Feldman, Regional Water Quality Control Board,  
 San Francisco Bay Region  
 Howard Hatayama, State Department of Health Services  
 Gil Jensen, Alameda County District Attorney, Consumer and  
 Environmental Protection Division  
 Rafat A. Shahid, Alameda County Environmental Health Department  
 Files

P 062 127 890

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3. Article Addressed to:	4. Article Number
MR. DAVE CAVANAUGH C/O CAVANAUGH MOTORS 1700 Park Street ALAMEDA, CA 94501	5
5. Signature - Addressee X: <i>[Signature]</i>	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Return Receipt for Merchandise
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PS Form 3800 JUN 19 1985

WATER RESOURCES CONTROL BOARD  
DIVISION OF WATER QUALITY - UST CLEANUP PROGRAM  
SITE SPECIFIC QUARTERLY REPORT  
01/01/92 THROUGH 03/31/92

AGENCY # : 10000      SOURCE OF FUNDS: F      SUBSTANCE: 8006619  
StID : 596  
SITE NAME: Cavanaugh Motors, Inc.      DATE REPORTED : 12/15/89  
ADDRESS : 1700 Park St.      DATE CONFIRMED: 12/15/89  
CITY/ZIP : Alameda 94501      MULTIPLE RPs : N

SITE STATUS  
-----

CASE TYPE: G	CONTRACT STATUS: 2	EMERGENCY RESP:
RP SEARCH: S		DATE COMPLETED: 12/03/91
PRELIMINARY ASMNT: C	DATE UNDERWAY: 06/08/90	DATE COMPLETED: 07/30/90
REM INVESTIGATION: U	DATE UNDERWAY: 04/15/91	DATE COMPLETED:
REMEDIAL ACTION:	DATE UNDERWAY:	DATE COMPLETED:
POST REMED ACT MON:	DATE UNDERWAY:	DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1      DATE ENFORCEMENT ACTION TAKEN: 12/03/91  
LUFT FIELD MANUAL CONSID: 3HSCAW  
CASE CLOSED:      DATE CASE CLOSED:  
DATE EXCAVATION STARTED : 12/15/89      REMEDIAL ACTIONS TAKEN: ET

RESPONSIBLE PARTY INFORMATION  
-----

RP#1-CONTACT NAME: Lee R Cavanaugh  
COMPANY NAME: Joan C Cavanaugh Trust  
ADDRESS: P O Box 2418  
CITY/STATE: Alameda, Ca 94501

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