

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Ro# 1186

October 17, 1996
STID 44

Lynne Sautter
Union Machine Works
534-2nd St.
Oakland CA 94607

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

RE: Union Machine Works, 534-2nd St., Oakland CA 94607

Dear Ms. Sautter,

This office is in the process of closing this case. The RWQCB has already signed off on the Case Closure Summary. Groundwater sampled from the monitoring well contained non-detectable concentrations of the contaminants sought for three consecutive quarters; this well will be destroyed. This letter is being sent to inform Zone 7 of the status of this case.

Please contact me by telephone at least 2 business days in advance of the well destruction so that I may be present onsite, if my schedule allows. If you have any questions, please contact me at 510-567-6761.

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Misty Kaltreider, ACC, 7977 Capwell Dr., Suite 100, Oakland CA 94621
Attn: Wyman Hong, Alameda County Flood Control District, Zone 7, Water Agency
5997 Parkside Dr., Pleasanton CA 94588
Jennifer Eberle/file

je.44.zone7

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R01186

November 22, 1994
STID 44

Ms. Lynn Sautter
Union Machine Works
✓ 534 Second Street
Oakland, CA 94607

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

Dear Ms. Sautter:

We are in receipt of the "Work Plan, Groundwater Investigation, Monitoring Well Installation," prepared by ACC Environmental, dated September 1994. This workplan involves one well in the vicinity of the former gasoline tank excavation. This workplan is acceptable.

If you have any questions, please contact me at 510-567-6700, ext 6761. This is our new permanent phone number; our new fax number is 510-337-9335.

Please notify me at least 2 business days in advance of field activities so that I may arrange to be onsite. **Feel free to submit reports on double-sided paper in order to save trees.**

Sincerely,

Jennifer Eberle
Hazardous Materials Specialist

cc: Misty Kaltreider, ACC Environmental, 1000 Atlantic Ave.,
Suite 110, Alameda CA 94501
Ed Howell/file

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ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R01186

August 10, 1994
STID 44

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

Ms. Lynn Sautter
Union Machine Works
✓ 534 Second Street
Oakland, CA 94607

RE: ENVIRONMENTAL SITE ASSESSMENT

Dear Ms. Sautter:

On September 19, 1990, this office requested the submittal of a preliminary site assessment (PSA) work plan as a result of the documented apparent release from the underground storage tank removed from beneath the sidewalk in front of your facility on 8/20/90. As you were informed at that time, a PSA is required whenever a known or suspected release has occurred, pursuant to provisions of Title 23, California Code of Regulations (CCR).

When the work plan did not arrive in the allotted time, you were requested once more on November 19, 1990 to submit, among other issues addressed, a PSA work plan. You were again requested to submit a PSA work plan in correspondence dated March 3, 1993 as a result of your failure to comply with the first two requests. To date, no PSA work plan has ever been submitted.

Please advised that currently you are in violation of Section 2722(c) of Article 11, Title 23, California Code of Regulations for your failure to comply with the agency's request for a PSA work plan, among other possible violations. Please be further advised that Section 25299(b) of Chapter 6.7, California Health and Safety Code allows for civil penalties of up to \$5000 per day per violation upon conviction.

You have reported to this office that some form of assessment work has been performed at this site. We have received a few submittals reportedly documenting the collection of ground water samples from a "well point" emplaced through the former tank excavation, and/or from a reported nearby PG&E utility trench.

Please be advised that these data, no matter how well intended, do not constitute a bonafide PSA for several substantial reasons:

- o A PSA work plan was not submitted for review before conducting work at the site. Hence, the scope of work performed was not approved, nor would it have been based on the reportage submitted to date.
- o Work was apparently performed by a firm not in the business of conducting environmental investigations.

Ms. Lynn Sautter
STID 44
August 10, 1994
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- o Appropriate California-registered professionals were not overseeing the work nor endorsing its technical merit.
- o Chain-of-custody forms documenting the appropriateness and defensibility of sample handling, storage, and transport activities have not been provided.
- o A soil sample analyzed for organic lead was reportedly collected from somewhere at the site, the relationship of which location relative to the subject tank is unknown and unclear. (This sample was reportedly collected through a hole cut into the sidewalk from a depth of 1-7 inches below the surface.)
- o This office has additionally never been advised when the reported field work was to occur so as to witness sample collection activities.

As a result of these substantial omissions in the established scientific protocol for the appropriate performance of an assessment of this sort, the data you have generated and submitted absent our oversight are not acceptable. Therefore, until acceptable work is performed and data submitted in the presence of this agency's direct oversight, this case will not be considered for closure.

I suggest a meeting be scheduled to discuss how we can assist you in getting this project "on track" and moving in a direction towards case closure. It would be a good idea to have a qualified environmental consultant accompany you to this meeting. I will contact you by phone on Thursday, August 18th to determine a suitable meeting date.

If you have any questions you may contact me at 510/567-6700.

Sincerely,



Jennifer Eberle
Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney's Office
Ed Howell/file

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ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R01186

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

Certified Mailer # P 367 604 550
March 30, 1993
STID 44

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

Lynn Sauter
Union Machine Works
✓ 534-2nd St.
Oakland CA 94607

Dear Ms. Sauter,

The file for your site is still considered open by this office. As you probably know, a 1,000-gallon leaded gasoline underground storage tank (UST) was removed from the site on 8/20/90. Soil samples taken during tank removal contained non-detectable concentrations of contaminants. However, water sampled from the tank pit contained 5,300 ppb TPH-g and 110 ppb benzene.

These concentrations are considered significant. Therefore, we request a workplan or proposal for a groundwater investigation, **within 45 days or by May 14, 1993**, submitted under cover letter from yourself, and prepared by a recognized professional as outlined below.

All work should adhere to a) the Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, dated 8/10/90; b) the State Water Resources Control Board LUFT Field Manual; and c) Article 11 of Title 23, California Code of Regulations. Reports and proposals must be submitted under seal of a **California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer**. All reports and documents pertaining to this investigation should also be sent to:

Rich Hiett
San Francisco Bay Region
Regional Water Quality Control Board
2101 Webster St., Ste 500
Oakland CA 94612

Please note that we previously requested a proposal for a groundwater investigation by letters dated 9/19/90 and 11/19/90. **Please be advised that this is a formal request for technical reports pursuant to California Water Code Section 13267(b). Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or the RWQCB.**

Lynn Sauter
STID 44
March 30, 1993
page 2 of 2

We are in receipt of a letter from Scott Co. dated 5/24/91 with attached laboratory results for organic lead for a soil sample. This information was requested previously by this office by letter dated 9/19/90. Results indicate 0.005 ppm organic lead for a soil sample received in the lab on 5/2/91. A chain-of-custody form was not submitted; therefore, it is unknown on what date the sample was collected. An attached map indicates that the sample was collected from beneath the concrete sidewalk on 2nd St.; however, the location of the former UST was not indicated on this map. Therefore, it is unclear if this sample was taken from the former UST area, and whether it is representative of the former UST area.

We again request that when installing the monitoring well closest to the former UST area, the soil samples should be analyzed for organic lead. This information was previously requested by our office by letter dated 11/19/90. If you have any questions, please contact me at 510-271-4530.

Sincerely,



Jennifer Eberle
Hazardous Materials Specialist

cc: Jay Groh, Scott Co., 1919 Market St., PO Box 12954, Oakland
CA 94604
Rich Hiett, RWQCB
Ed Howell/file

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ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R01186

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

November 19, 1990

Ms. Lynne Sautter
Union Machine Works
534 Second Street
Oakland, CA 94607

RE: Groundwater Investigation at 534 Second Street

Dear Ms. Sautter:

We have received the request for site closure, dated November 13, 1990, from Jay Groh with Scott Company. Due to the high levels of contaminants identified in the groundwater from the original sample taken at the bottom of the excavation of 5300 ppb of Total Petroleum Hydrocarbons (TPH), and the presence of 110 ppb of benzene, we are unable to recommend this site for closure.

We require that an investigation be conducted to determine the potential impact to groundwater. The initial investigation into the impact to groundwater should evaluate the extent of contamination and can be accomplished by the installation of at least one groundwater monitoring well within 10 feet of the former tank in the verified down gradient direction.

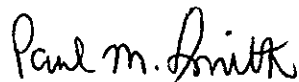
If contamination is suspected to be coming onto your site from an off-site source; as was suggested in the most recent correspondence from your consultant, then it would be to your benefit to demonstrate that this has occurred, and if so from what source. The requirement for groundwater investigation is specified by the Regional Water Quality Control Boards Tri-Regional Recommendation (August 1990).

You are required to submit a proposal for the investigation of the groundwater at the above site within 30 days of the receipt of this letter. When installing a monitoring well closest to the former tank pit, you are requested to sample the soil for the presence of organic lead.

Ms. Sautter
November 19, 1990
page 2 of 2

If you have any questions please call me at (415) 271-4320.

Sincerely,



Paul M. Smith
Hazardous Materials Specialist

cc:

Gil Jensen, Alameda County District Attorneys Office
Lester Feldman, RWQCB
Howard Hatayama, DHS
Jay Groh, Scott Co.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Roll 86

September 19, 1990

Ms. Lynne Sautter
Union Machine Works
534 Second Street
Oakland, CA 94607

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

RE: Underground Tank Follow-up 534 Second Street, Oakland

Dear Ms. Sautter:

We have received the laboratory results from Scott Co. done during the tank excavation at the above site. The soil samples showed nondetectable levels for Total Petroleum Hydrocarbons (TPH) and Benzene, Toluene, Ethylbenzene and Xylene (BTEX). A soil analysis for the presence of lead was specified in the underground tank closure plan approved by this office. In the lab results which were faxed to our office September 5, 1990 by Jay Groh with Scott Company no such analysis were included. We specifically request the laboratory results for lead from the soil taken from the tank excavation pit and the stockpile area.

Lab results for groundwater collected from the tank pit showed levels (TPH 5300 ppb and BTEX 110, 190, 58, 180 ppb) of contamination which according to Regional Water Quality Control Board (RWQCB) Guidelines require the installation of at least one groundwater monitoring well in the verified down gradient direction. The installation of wells are required in order to determine the extent of groundwater contamination.

You are requested to submit a proposal/ workplan to this office within 30 days of the receipt of this letter outlining the manner by which the extent of groundwater contamination at this site can be adequately defined. Enclosed is an outline of the content of a workplan listing the necessary components. Section IV of this handout is particularly relevant to this site.

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

Sincerely,

A handwritten signature in cursive script that reads "Paul M. Smith".

Paul M. Smith
Hazardous Materials Specialist

cc:

Gil Jensen, Alameda County District Attorney's Office of
Environmental and Consumer Protection
Lester Feldman, RWQCB
Jay Groh, Scott Company

Appendix A

Workplan for Initial Subsurface Investigation

There are a large number of initial site investigations related to unauthorized releases of fuel products. The number of workplans and reports to be reviewed and approved require that these documents have uniform organization and content. The purpose of this appendix is to present an outline to be followed by professional engineering or geologic consultants in preparing workplans to be submitted for approval to the Regional Board and local agencies.

A statement of qualifications and registration number for the California registered engineer and/or registered geologist responsible for the project will need to be included with the submitted workplan and reports.

This appendix should be referred to in context with the "Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks".

PROPOSAL FORMAT

I. Introduction

A. Statement of Scope of Work

B. Site location

C. Background

D. Site History

1. Brief description of the type of business and associated activities that take place at the site, including the number and capacity of operating tanks.
2. Description of previous businesses at the site.
3. Complete description of tank activities, tank contents, and tank removal.
 - a. Number of underground tanks, uses, etc. (include the volume of each tank, construction material, and tank condition)
 - b. Date of tank removal and condition of tank.
 - c. Description of all waste removal, including copies of all manifests.
 - d. Filing status and copy of unauthorized release form, if not previously submitted.
 - e. Previous tank testing results and date. Include discussion of inventory reconciliation methods and results for previous three years.

- f. Estimate of the total quantity of product lost.
4. Other spill, leak and accident history at the site, including any previously removed tanks.
5. Describe any previous subsurface work at the site or adjacent sites.

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II. Site Description

- A. Vicinity description and hydrogeologic setting.
- B. Vicinity map (including wells located on-site or on adjoining lots, as well as any nearby streams).
- C. Site map to include:
1. Adjacent streets.
 2. Site building locations.
 3. Tank locations.
 4. Island locations and piping to pumps from tanks.
 5. Any known subsurface conduits, underground utilities, etc.
- D. Existing soil contamination and excavation results.
1. Provide sampling procedures used.
 2. Indicate depth to groundwater, if encountered.
 3. Describe soil strata encountered in excavation.
 4. Provide results in tabular form and location of all soil sampling (and water sampling, if appropriate). The date sampled, the identity of the sampler, and signed laboratory data sheets need to be included.
 5. Identify underground utilities
 6. Describe any unusual problems encountered.
 7. Completely describe methods for storing and disposal of all contaminated soil.
 8. Reference all required permits, including those issued by the Air Quality Management District and local underground tank permitting agency.

III. Plan for determining extent of soil contamination on site.

- A. Describe method/technique for determining extent of contamination within the excavation.

B. Describe sampling methods and procedures to be used.

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1. If a soil gas survey is planned, then:
 - a. Identify number of boreholes, location, sampling depth, etc.
 - b. Identify subcontractors, if any
 - c. Identify methods or techniques used for analysis
 - d. Provide quality assurance plan for field testing
2. If soil borings are to be used to determine the extent of soil contamination, then:
 - a. Identify number and location (mapped) of proposed borings.
 - b. Describe depth of borings
 - c. Describe soil classification system, soil sampling method and rationale
 - d. Describe boring drilling method, including decontamination procedures.
 - e. Describe boring abandonment method

C. Describe method and criteria for screening clean versus contaminated soil, including a complete description of procedures to be used for storing and disposal of any excavated soil. If on-site soil aeration is to be utilized, then a complete description of the treatment method is required:

1. Volume and rate of aeration/turning.
2. Method of containment and cover
3. Wet weather contingency plans.

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

- D. Security measures planned for excavated hole and contaminated soil (i.e., six foot fence around hole, ripped up piping, spoil piles, etc.)

IV. Plan for determining groundwater contamination.

Construction and placement of wells should adhere to the requirements of the "Regional Board Staff Recommendations for Initial Evaluation and Investigation of Underground Tanks". If the verified down gradient location has been established, then a complete description of the rationale must be provided.

- A. Placement and rationale for location of monitoring wells, including a map to scale.
- B. Drilling method for construction of monitoring wells, including decontamination procedures.
 - 1. Expected depth and diameter of monitoring wells
 - 2. Date of expected drilling.
 - 3. Method and location of soil sampling of borings.
 - 4. Casing type, diameter, screen interval, and pack and slot sizing technique.
 - 5. Depth and type of seal.
 - 6. Construction diagram for wells.
 - 7. Development method and criteria for determination of adequacy of development.
 - 8. Plans for disposal of cuttings and development water.
 - 9. Surveying plans for wells (requirements include surveying to established benchmark to 0.01 foot)
- C. Groundwater sampling plans (include plans for sampling and on-site domestic wells)
 - 1. Water level measurement procedure
 - 2. Methods for free product measurement, observation of sheen and odor.
 - 3. Well purging procedures.
 - 4. Well purge water disposal plans.
 - 5. Sample collection procedures.
 - 6. Sample analyses to be used
 - 7. Quality assurance plan
 - 8. Chain of custody procedures

V. Include a site safety plan

A report will need to be submitted following collection of the information proposed and approved in the workplan. The report should set out the collected information in an orderly fashion and include any recommendations for additional needed work.