

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R02

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700

September 25, 1995
STID# 2047

Mr. Mark Miller
Chevron U.S.A. Products Company
P.O. Box 5004
San Ramon, California 94583-0804

RE: Soil and Groundwater Investigation
5509 Martin Luther King Way, Oakland, California 94609

Dear Mr. Miller:

The Alameda County Department of Environmental Health, Environmental Protection Division has recently reviewed the case file concerning the soil and groundwater investigation at the referenced site. This office is in receipt of the Waste Oil Tank Removal Report (June 12, 1995) prepared by Touchstone Development and the latest quarterly groundwater monitoring report dated August 4, 1995 and prepared by Blaine Tech Services.

Based on this review the following issues must be addressed regarding the soil and groundwater investigation at the subject site:

- 1) It appears that the extent of the soil and groundwater contamination remains undefined. Monitoring well MW-8 which was installed west of the property boundary on February 1994 consistently detected petroleum hydrocarbon contamination. The sampling conducted on July 6, 1995 found 19,000 ppb TPH as gasoline, 280 ppb benzene, 1200 ppb ethyl benzene, and 2600 ppb xylene. Monitoring well MW-7 which was installed north of the property boundary detected 320 ppb TPH gasoline and 6900 ppb total oil and grease during the July 1995 sampling event. Although the direction of the groundwater flow observed during the last four quarters indicated a change from the historical north - northwest to the current south - southwest, the lateral limits on the contamination must be determined. The soil and groundwater investigation must be expanded off-site to the west-northwest of the subject site. Review of the data appeared to indicate that the plume may have migrated off the site. Soil boring and grab groundwater samples may be performed initially prior to placement of permanent wells. A work plan must be submitted to delineate the extent of the contamination at the site. Please submit your work plan to this office no later than November 27, 1995.

Mr. Mark Miller
RE: 5509 Martin Luther King Way, Oakland, CA 94609
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- 2) Please submit a copy of the former waste oil tank's manifest and records of the stockpiled soil disposed at BFI in Livermore.
- 3) Monitoring well sampling frequency must occur every quarter. All the wells must be sampled for the following target compounds: TPH gasoline, benzene, toluene, ethyl benzene, xylene and methyl tertiary butyl ether (MTBE). Groundwater level measurements must be incorporated in the monitoring program.
- 4) Monitoring wells MW-7 and MW-8 must be sampled for TPH as motor oil in addition to the above mentioned target compounds.

Until cleanup is complete, you will need to submit reports to this office every three months (or at a more frequent interval, if specified at any time by this agency). In addition, the following items must be incorporated in your future reports or workplans:

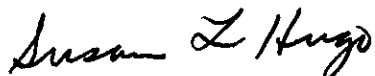
- a cover letter from the responsible party or tank owner stating the accuracy of the report and whether he/she concurs with the conclusions and recommendations in the report or workplan
- site map delineating contamination contours for soil and groundwater based on recent data should be included and the status of the investigation and cleanup must be identified
- proposed continuing or next phase of investigation / cleanup activities must be included to inform this department of the responsible party or tank owner's intention
- any changes in the groundwater flow direction and gradient based on the measured data since the last sampling event must be explained
- historical records of groundwater level in each well must be tabulated to indicate the fluctuation in water levels
- tabulate analytical results from all previous sampling events; provide laboratory reports (including quality control/quality assurance) and chain of custody documentation

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All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professionals involved with the project.

If you have any questions concerning this letter, please contact me at (510) 567-6780.

Sincerely,



Susan L. Hugo
Senior Hazardous Materials Specialist

cc: Jun Makishima, Interim Director, Environmental Health
Kevin Graves, San Francisco Bay RWQCB
George Young, Acting Chief, Environmental Protection / files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R02

RAFAT A. SHAHID, Assistant Agency Director

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

February 14, 1992

Mr. Mike Vomund
Chevron USA, Inc.
P.O. Box 5004
San Ramon, CA 94583-0804

SUBJECT: FIVE YEAR UNDERGROUND STORAGE TANK OPERATING PERMIT
5509 Martin Luther King Way, Oakland, CA 94609

Dear Mr. Vomund:

Please find enclosed a five year underground storage tank permit to operate three single walled tanks with single walled pressure piping and one single walled waste oil tank at the subject facility. To operate under a valid permit, you are required to comply with the conditions as described in the revised Title 23, California Code of Regulations (CCR) adopted effective August 9, 1991. The conditions are summarized below:

- 1) The owner or operator shall comply with the reporting and recording requirements for unauthorized releases, specified in Article 5.
- 2) Written records of all monitoring and maintenance performed shall be maintained for a period of at least three (3) years. These records must be made available, upon request within 36 hours, to a representative of this office.
- 3) An operating permit may be transferred to a new underground storage tank owner if all of the following are met: the new owner does not change any conditions of the permit; the transfer is registered with this office within 30 days of the change in ownership; and the tank permit application forms are completed to show the changes. Upon receiving the ownership transfer request this office may review, modify, or terminate the permit to operate the underground storage tank(s).

1802 Webster Street, Alameda
February 14, 1992
Page 2 of 3

Title 23, specifies that non-visual monitoring/quantitative release detection be performed. The following methods may be utilized:

- a) SINGLE WALLED UNDERGROUND STORAGE TANKS, Section 2643 (c)(2)(A&B);
 - annual tank integrity test, AND
 - monthly inventory reconciliation
- b) PRESSURIZED PIPING, Section 2643(d);
 - hourly automatic line leak detector, AND
 - annual line tightness test

You may utilize other release detection methods for tanks and piping as outlined in Appendix IV of Title 23, CCR. Enclosed is a copy of Appendix IV for your reference. You are required to send written notification to this office regarding any changes in the current monitoring methods.

Inventory reconciliation is an integral part of the non-visual monitoring/quantitative release detection method. The following summary is taken from Title 23, Section 2646.

- a) The daily variation in inventory reconciliation shall be the difference between the physically measured inventory in storage and the calculated inventory in storage. Daily variations shall be summed for a period of one month. Monthly variations exceeding a variation of 1% of the monthly tank delivery plus 130 gallons must be investigated in accordance with this section. Please find enclosed a sample worksheet to perform inventory reconciliation.
- b) You are required to submit on an ANNUAL basis, a statement to this office which states that all inventory reconciliation data are within allowable variations or, submit a list of the days and corresponding variations which exceeded the allowable variations. Said statement shall be executed under penalty of perjury.

Please note that after January 1, 1993, inventory reconciliation, and any other leak detection method that utilizes manual stick readings, shall NOT be used as part of non-visual monitoring for

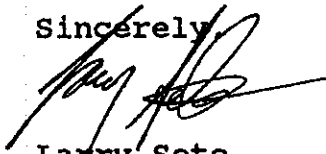
1802 Webster Street, Alameda
February 14, 1992
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existing underground storage tanks, where the ground water level or the highest anticipated ground water level is less than 20 feet below the bottom of the tank. If this applies to tanks you operate then you are required to then select another release detection method(s) for tanks and piping as out-lined in Appendix IV.

Consult the revised Title 23, CCR for additional requirements. To obtain a copy of the amended regulations, you may contact the State Water Resources Control Board at (916) 322-3132.

Should you have any questions or concerns regarding the contents of this letter, please contact Robert Weston at (510) 271-4320.

Sincerely,



Larry Seto
Senior Hazardous Materials Specialist

LS:RW:rw

c: Ed Sterling
Files

enclosures
mem555



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

August 9, 1991

Mr. Edward Sterling
5509 Martin Luther King Way
Oakland, CA 94609

Re: Chevron #91583, 5509 Martin Luther King Way, Oakland

NOTICE OF VIOLATION

Dear Mr. Sterling:

As you are aware, on August 2, 1991, Cathy Gates from this office inspected the above premises with regard to issuance of a 5-year permit to operate four underground storage tanks (UST's). Our records indicate that the above facility is operating without any Underground Storage Tank Permits. In order to comply with California Hazardous Material and UST laws, and attain valid UST permits, you must comply with the following:

- 1) Section 2641(c)(5)(B) Title 23, CCR - Inventory Reconciliation must be performed at least five times per week for all fuel tanks. Presently, you are gathering the stick and metered readings daily as required. However, you must also perform the calculations daily to determine whether you exceed the maximum allowable variance. Records of this daily reconciliation must be kept on-site. Please also note that all stick readings must be made when no gas is being pumped.

- 2) Section 2641(e),(f) Title 23, CCR - Please submit quarterly reports to this agency within 10 days of the end of each quarter. Use the summary form provided during the inspection. This form provides space for explanations of discrepancies for each date that exceeds the maximum allowable variance. You must provide explanations for each listed date which demonstrate that the required steps were followed to prove a leak had not occurred. (These steps are stated in 2644(f)(1-7), Title 23, CCR and on the back of the provided form.)

Mr. Edward Sterling
August 9, 1990
Page 2 of 3

Initially, submit this report and the daily reconciliation records for the month of July only (by August 10, 1991), then for the month of August only (by September 10, 1991). In October, begin using the normal quarterly schedule; i.e. include July, August, and September for the third quarter report, and submit the next quarterly summary for Oct. - Dec., 1991 by January 10, 1992.

- 3) Sec. 2641(c)(7), Title 23, CCR - The waste oil tank must be gauged at least weekly to demonstrate that no loss has occurred. Gauging should be performed before and after a time period of at least 2 days during which there are no additions or removals. Records must be kept on site to show that this monitoring is being performed. Submit records of waste oil monitoring by September 10, 1991 to verify proper procedures and recording format.

Please also note that Sec. 2712, Title 23, CCR requires that **ALL monitoring records must be kept on-site for at least 3 years**. In addition to daily inventory reconciliation and quarterly summary reports, this should include precision tests, records for equipment repair, and any other pertinent records. Please provide written verification that these records will be maintained on-site by September 10, 1991. Also send verification that your Hazardous Materials Management Plan is available on-site, and that your employees are familiar with how to respond in an emergency.

A 5-year permit will be issued when this office receives:

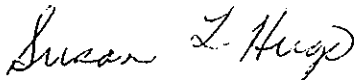
- A. Summary reports of daily reconciliation and daily monitoring records for July and August.
- B. Waste-oil tank monitoring records for one month.
- C. Verification that **ALL** monitoring records will be kept on-site for at least three years.
- D. Verification that your HMMP is on-site.

Mr. Edward Sterling
August 9, 1990
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Please submit all of the required materials in the time frame specified. Failure to respond in a timely manner could result in civil liabilities under the Health and Safety Code.

Should you have any questions regarding this letter, please feel free to contact Cathy Gates at (415) 271-4320.

Sincerely,



Susan Hugo, HMS
Hazardous Materials Division

cc: Gil Jensen, Alameda County District Attorney, Consumer and
Environmental Protection Division
Mike Vomund, Chevron U.S.A.
files

SH:CG:cg mem19

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R02

February 6, 1991

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

Ms. Nancy L. Vukelich
Chevron U.S.A. Inc.
P.O. Box 5004
San Ramon, CA 94583-0804

RE: **Chevron #9-1583, 5509 Martin Luther King, Jr. Way, Oakland**

Dear Ms. Vukelich:

The Alameda County Department of Environmental Health, Hazardous Materials Division has reviewed the December 15 report submitted on the above site and prepared by Geraghty & Miller. This report documents the installation of three monitoring wells, two off-site; as of October 1990, these wells show low levels of hydrocarbon contamination or are "ND." However, the three previously installed wells showed much higher levels of contamination when last sampled in March 1990. At this time, G & M replaced all three wells' caps, which in their deteriorated condition may have permitted surface contamination to enter the wells.

The report also indicates that groundwater flows about 90 degrees to the west of the anticipated direction. This means that, as G & M point out, there is no monitoring well downgradient of the point where pipe trench "sample B," contaminated with 1,700 ppm gasoline, was taken. **Therefore, Chevron must install an additional well within 10 feet of and downgradient from, this location.** The report on this well's installation and sampling will be due with the 2nd quarter 1991 monitoring report. It will not be necessary to submit a work plan for approval prior to this well's installation.

In addition, as you point out in your letter, ALL wells on-site will need to be monitored on a quarterly basis, which means that the 1st quarter 1991 sampling is due now. Depending on the outcome of the next several episodes of sampling, we may require the installation of additional wells; the objective of the investigation will be to define the limits of any hydrocarbon plume that may exist.

Please also submit an additional deposit of \$500 to us, made out to Alameda County, for ongoing project oversight. Funds on deposit for this project have been exhausted. Because we are overseeing this site under the designated authority of the Water Board, this letter constitutes a formal request for technical reports, per Sec. 13267(b) of the Water Code. Failure to respond in a timely manner could result in civil liabilities under the Water Code of up to \$1,000 per day. Other violations of California law, such as Sec. 25299.37 of the Health and Safety Code, may also be cited.

Ms. Nancy L. Vukelich
February 6, 1991
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If you have any questions about this letter, please contact the undersigned at 271-4320.

Sincerely,



Gil Wistar
Hazardous Materials Specialist

cc: Lester Feldman, San Francisco Bay RWQCB
Rafat Shahid, Asst. Agency Director, Environmental Health
files



ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R02

September 19, 1990

Edward Sterling
Ed Sterling Chevron Sta.#91583
5509 Martin L King Way
Oakland, CA 94609

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

Re: Waste Minimization Assessment

Dear Edward Sterling:

Your business has been selected to receive a hazardous waste minimization assessment. As you are probably aware, hazardous waste reduction has become a statewide, if not a national, issue. To address this issue at a county level, Alameda County is establishing its own Hazardous Waste Minimization Program and is planning to conduct waste minimization assessments for all hazardous waste generating facilities in the County.

We have chosen businesses in the auto repair industry to receive the first round of waste minimization assessments. It is our hope that these assessments will assist participating businesses in minimizing their hazardous wastes - and will give us further information on the best way to structure our minimization program.

One of our Hazardous Materials Specialists will be contacting you during the week of September 24 to arrange a meeting with you for an assessment of your business. During this meeting and assessment, the Specialist will work with you in examining your business's hazardous waste generating practices. The Specialist will then provide you with materials on waste reduction technology and assist you in setting up appropriate hazardous waste minimization practices.

We look forward to working with you in reducing the amount of hazardous waste your business generates. Of course, your comments and suggestions are encouraged; we need your input in order to best serve you! Please direct any comments and questions to Katherine Chesick at 415/271-4320.

Sincerely,

Edgar B. Howell, Chief,
Alameda County Hazardous Materials Division

EBH:kac

cc: Fire Department
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Director



DEPT. OF ENVIRONMENTAL HLTH
HAZARDOUS MATERIALS PROG.
80 SWAN WAY, SUITE 200
OAKLAND, CA 94621
430-4530

R02

(5)

Certified Mailer # P 062 127 793

Telephone Number: (415)

January 22, 1990

Mr. D. Moller
Manager, Operations
Chevron USA
P.O. Box 5004
San Ramon, CA 94583-0804

NOTICE OF VIOLATION

Dear Mr. Moller:

At five current or former Chevron sites in the cities of Oakland, Dublin, and Livermore, the Alameda County Department of Environmental Health, Hazardous Materials Division has determined that there are outstanding violations of the California Health and Safety Code (H&SC) requiring immediate attention. This letter describes these violations, which concern Sec. 25295(a)(1) and Sec. 25298(c)(4) of the H&SC. These violations are failure to report unauthorized releases of a hazardous material, and improper closure of an underground tank system, respectively. This letter does not address any other current or former Chevron sites within Alameda County, which also may have outstanding violations.

This office is the lead agency overseeing all five sites' environmental investigations and cleanups. The Regional Water Quality Control Board (RWQCB) is currently unable to manage the large number of fuel leak cases within Alameda County, and has therefore delegated this authority to our office, including provisions of the California Water Code. Nonetheless, you must continue to keep the Water Board apprised of all actions taken to characterize and remediate contamination, because the Board retains the ultimate responsibility for ensuring protection of waters of the state. The five sites included in this letter will be covered one at a time, beginning below.

(R0500) 1. 3701 Broadway, Oakland (former Chevron #9-1026)

At this site, five underground storage tanks were removed on April 21, 1988, and significant contamination was found both in soil and groundwater. In a letter dated 9/9/88, you stated that a remediation plan was being developed by Crowley Environmental Services of Oakland. Subsequently, this office has received two quarterly reports from Chevron, dated 8/14/89 and 12/15/89; both indicate that a remediation plan was being prepared. On August 14, 1989, I spoke with Lisa Marinaro of Chevron, USA, who stated that a remediation plan would be submitted to this office by September 1, 1989.

Mr. D. Moller
January 22, 1990
Page 2 of 4

Several inches of product have been found floating on the groundwater at this site, and dissolved TPH levels of as high as 672 ppm have been recorded in the 13 monitoring wells. In addition, levels of benzene up to 30 ppm have been found in the groundwater; thus it is clear that there is significant hydrocarbon contamination beneath the site. Still, no remediation plan has been received to date.

The gasoline discharges have created a continuing condition of groundwater pollution and nuisance that calls for the imposition of a cleanup schedule. Therefore, this site must be remediated according to the following schedule:

- A comprehensive remedial action plan is due in this office no later than February 23, 1990;
- Remediation acceptable to this office must go into operation by May 17, 1990;
- Water level measurements and sampling shall occur during the first quarter of 1990 and every month once remediation begins;
- Written progress reports shall be submitted every three months, with the first such report due on March 1, 1990. The September 1, 1990 report shall include an assessment of the effectiveness of the groundwater remediation system.

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(R0304) 2. 7420 Dublin Blvd., Dublin (former Chevron #9-2582)

Underground gasoline tanks were removed from this site on February 16, 1989, and new installations for an independent operator were completed over the summer of 1989. On-site monitoring well EA-3 has yielded dissolved TPH levels of up to 2,300 ppm; the most recent groundwater monitoring results show levels of dissolved hydrocarbons at 110 ppm in the tank pit.

Some contaminated soil was left in place beneath the canopy support structure, because its removal could have caused canopy collapse. A soil venting system was installed prior to the installation and backfilling of new piping.

Bob Foss of Chevron USA has indicated on several occasions that a remediation system is in the works, but months have gone by without diligent actions to ensure that groundwater pollution does not move off site. Because of concern over potential contaminant migration to drinking water wells in the Amador Valley, a remedial plan for this site should be formalized and implemented according to a set timetable. Due dates are shown below.

Mr. D. Moller
 January 22, 1990
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- A concise remedial action plan, including milestones and timetables, is due in this office by February 23, 1990. It should describe both soil venting/off-gas treatment (indicating the status of a BAAQMD permit, if required), and groundwater extraction/treatment.
- Soil venting/off-gas treatment shall begin operations by April 6, 1990.
- A limited groundwater extraction/treatment operation shall be on line by April 27, 1990.
- Water levels, sampling, and extracted soil gas sampling shall occur as frequently as necessary to monitor the systems' effectiveness, but no less often than quarterly. Quarterly progress reports must be submitted to this office and to the RWQCB, with the first report due June 1, 1990.

(R0221) 3. 5500 Telegraph Ave., Oakland (Chevron #0338)

R02887) At this site, old piping was removed on July 7, 1989; soil samples taken from one area of the pipe trench contained up to 800 ppm of hydrocarbons, and levels in soil just above the water table still exceeded 100 ppm. This data indicated the possibility of a significant release of gasoline to groundwater. As a result, in a September 13, 1989 letter to John Randall, Chevron USA, the Division requested a work plan to be submitted for this site within 30 days, and an unauthorized release report within 5 days. Chevron has not responded as of the date of this letter.

Chevron must still supply the information requested in the 9/13/89 letter; an unauthorized release report should be submitted to this office immediately. In addition, three monitoring wells around the trench "hot spot" shall be installed, developed, and sampled by March 9, 1990. We are requesting quarterly sampling and reporting for at least one year.

(R02) 4. 5509 Martin Luther King, Jr. Way, Oakland (Chevron #1583)

Old piping was removed from this site on December 14, 1989. One soil sample from the trench contained 1,700 ppm TPH and 180 ppm xylene. The sampler encountered the water table before soil hydrocarbons attenuated to below levels of concern. Therefore, the possibility exists for a significant release of gasoline to groundwater, and three monitoring wells must be installed around the point of release. These wells shall be installed, developed, and sampled by April 6, 1990, and then sampled quarterly for at least one year. In addition, an unauthorized release report must be submitted immediately to this office.

Mr. D. Moller
January 22, 1990
Page 4 of 4

5. 1925 Barcelona St., Livermore (former Chevron #9-7314)

Four underground tanks and associated piping were removed from this site on September 18, 1989. This office has still not received the soil sampling report, which was due 11/18/89. An EA, Engineering Science & Technology report dated 7/5/89 indicates that there was significant soil contamination around the tanks prior to their removal. Thus, an unauthorized release report is due in this office immediately, and soil sampling results and a comprehensive work plan to address soil and potential groundwater contamination must be submitted by February 23, 1990.

Regarding these five sites, copies of all reports or work plans should also be sent to the RWQCB (attention: Lester Feldman). Because we are overseeing this site under the designated authority of the Water Board, this letter constitutes a formal request for technical reports, per Sec. 13267(b) of the California Water Code. Failure to respond in a timely manner could result in civil liabilities under the Water Code of up to \$1,000 per day. Other violations of California law, such as Sec. 25299 of the H&SC, which specifies fines of up to \$5,000 per day, may also be cited.

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

Sincerely,

Gilbert M. Wistar

Gil Wistar
Hazardous Materials Specialist

cc: Doug Krause, DOHS
Lester Feldman, San Francisco Bay RWQCB
Gil Jensen, District Attorney, Alameda County Consumer and
Environmental Protection Division
Rafat Shahid, Asst. Agency Director, Environmental Health
files (5 locations)