

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RO# 2889

RO#2441

April 10, 1998

Jeff Granberry
Shell Oil Company
P.O. Box 4023
Concord CA 94520

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

RE: **Fuel Contamination of Soil at Shell Station**
9750 Golf Links Road, Oakland CA 94605 (our site # 3672)

Dear Mr. Granberry:

In February 1998, soil samples were taken in the course of a tank system upgrade at the above referenced Shell station. Total petroleum hydrocarbons as gasoline were present at levels up to 7,800 ppm and benzene was present at up to 37 ppm in soil. These benzene levels exceed human health protective levels given in the Tier 1 Table of the ASTM Risk-Based Corrective Action Guidelines (E 1739-95).

At this time, additional investigation is required to define the extent and severity of the release. The investigation shall be in the form of a Soil and Water Investigation, or SWI. The information gathered through the SWI will be used to choose an appropriate course of action to remediate the site, if deemed necessary. The SWI must be done in accordance with the Regional Water Quality Control Board (RWQCB) Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks, and Article 11 of Title 23, California Code of Regulations. The major elements of the SWI are summarized in the enclosed Appendix A.

The SWI proposal is due **within 45 days** of the date of this letter (**by May 25, 1998**). Once the proposal is approved, field work should commence within 60 days. A report must be submitted within 45 days after the completion of this phase of work at the site. Subsequent reports are to be submitted quarterly until this site qualifies for RWQCB "sign off." All reports and proposals must be submitted under seal of a California Registered Geologist, Certified Engineering Geologist, or Registered Civil Engineer. **Please be advised that this is a formal request for technical reports pursuant to Title 23, CCR, Section 2722(c). Any extensions of the stated deadlines, or modifications of the required tasks, must be requested in writing and agreed to by this agency.**

Please contact me at (510) 567-6770 with any questions.

Sincerely,

A handwritten signature in cursive script that reads "Pamela J. Evans".

Pamela J. Evans
Senior Hazardous Materials Specialist

Enclosure
Appendix A

c: Dick Pantages, Alameda County Environmental Health Services
Alex Perez, Shell Oil Co.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RO2441 (LOP)
✓ RO2889 (LOP)

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6777

October 31, 1995

Mr. Dan Kirk
Shell Oil Company
P.O. Box 4023
Concord, CA 94520

STID 3672

Re: Subsurface Investigation Workplan Addendum for Shell
Service Station WIC #204-5508-2808, located at 9750 Golf
Links Road, Oakland, California

Dear Mr. Kirk,

This office has reviewed over Weiss Associates' Subsurface Investigation Workplan Addendum, dated October 24, 1995, for the above site. To iterate the meaning of Section 66261.24 (a)(2)(A), Chapter 11, Division 4.5, Title 22 California Code of Regulations, if the TCLP analysis result is less than 5 mg/l and the STLC result is less than 560 mg/l, the concentrations of chromium in soil would not be considered a threat to groundwater. However, if you have STLC results exceeding 560 mg/l, the chromium concentrations would be considered non-RCRA hazardous waste (i.e., California hazardous waste).

If elevated contaminant levels are identified in the soil or groundwater in the proposed phase of work, additional investigations may be required.

Field work shall commence within 45 days after 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) 567-6763.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: ^{TR} Tim R. Utterback
Weiss Associates
5500 Shellmound St.
Emeryville, CA 94608-2411

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R02441

✓ R02889

RAFAT A. SHAHID, DIRECTOR

September 28, 1995

Mr. Dan Kirk
Shell Oil Company
P.O. Box 4023
Concord, CA 94520

DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6777

STID 3672

Re: Work plan for investigations at Shell Service Station WIC #204-5508-2808, located at 9750 Golf Links Road, Oakland, California

Dear Mr. Kirk,

This office has reviewed Weiss Associates' Subsurface Investigation and Site Closure Workplan, dated September 18, 1995, for the above site. This work plan is acceptable to this office with the following additional requirements:

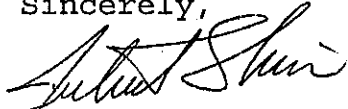
- o The work plan states that no further analysis for chromium needs to be conducted, based on Section 66261.24(a)(2)(A), Chapter 11, Division 4.5, Title 22, California Code of Regulations. However, in order for this Section of Title 22 to apply to this site, both a TCLP and WET (STLC) analysis needs to be conducted for chromium, which have not yet been conducted at the site. If a TCLP analysis is not conducted, than the California default value to be utilized would be the 5 mg/l value listed in Table II, Section 66261.24(a)(2)(A). Based on the fact that a TCLP analysis for chromium has not yet been conducted at the site, and the level of chromium in the site soil has exceeded ten times the STLC of 5 mg/l, this office is requesting that the future groundwater sample(s) be analyzed for dissolved chromium, as well as Oil & Grease, TPHg, TPHd, and BTEX.
- o What references were used to obtain the "assumed" groundwater gradient direction? Please provide this office with the references or more explanation as to why the groundwater is most likely flowing to the west.

Please submit an addendum to the work plan, addressing the above concerns, within 30 days of the date of this letter.

If you have any questions or comments, please contact me at (510) 567-6763.

Mr. Dan Kirk
Re: 9750 Golf Links Rd.
September 28, 1995
Page 2 of 2

Sincerely,



Juliet Shin
Senior Hazardous Materials Specialist

cc: Tim R. Utterback
Weiss Associates
5500 Shellmound St.
Emeryville, CA 94608-2411

Peter McKereghan
Weiss Associates
5500 Shellmound St.
Emeryville, CA 94608-2411

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R02441 (LOP)

✓ R02889 (LOP)

RAFAT A. SHAHID, Assistant Agency Director

August 8, 1995

Mr. Dan Kirk
Shell Oil Company
P.O. Box 4023
Concord, CA 94520

Alameda County
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577

CC4586

Re: Investigations at Shell Service Station WIC #204-5508-2808,
located at 9750 Golf Links Road, Oakland, California

Dear Mr. Kirk,

This office has reviewed Weiss Associate's (Weiss) Tank Removal Closure Report, dated July 6, 1995, for the above site. Per the report, a 550-gallon waste oil tank was removed from the site on March 7, 1995. Per Alameda County's inspection report, several holes, up to 1/2-inch in diameter, were noted on the sides, bottom, and top of the tank. Additionally, stained soils and strong odors were noted down to at least 9-feet below ground surface (bgs) in the tank pit. The results of the initial soil sample, collected from beneath the tank at 7-feet bgs, identified up to 12,000 parts per million (ppm) Oil & Grease, 3,900 ppm TPH as diesel, 190 ppm TPH as gasoline, and 0.43 ppm toluene. After overexcavation down to 11-feet bgs, upto 62 ppm Oil & Grease and 0.083 ppm toluene were identified in a confirmatory soil sample.

Based on the above information, you are required to conduct investigations at the site to confirm that groundwater has not been impacted. You will be required to analyze future samples for Oil & Grease, TPH as gasoline and diesel, BTEX, and PCBs. Additionally, based on the fact that soil samples collected from the former tank pit identified levels of chromium exceeding ten times the STLC, you will be required to analyze future samples for heavy metals.

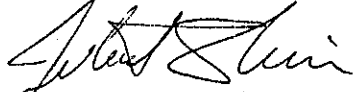
Although the report states that a total of 75 cubic yards of soil was hauled off site, this office has not yet received copies of the manifests that document this disposal. Please submit these manifests within 30 days of the date of this letter.

A work plan addressing groundwater investigations at the site shall be submitted to this office within 45 days of the date of this letter.

If you have any questions or comments, please contact me at (510) 567-6763.

Mr. Dan Kirk
Re: 9750 Golf Links Rd.
August 8, 1995
Page 2 of 2

Sincerely,



Juliet Shin
Senior Hazardous Materials Specialist

cc: Tim R. Utterback
Weiss Associates
5500 Shellmound St.
Emeryville, CA 94608-2411

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



✓ R02889

R02441

November 8, 1990

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

Ms. Lisa Foster
Shell Oil Company
P.O. Box 4023
Concord, CA 95424

**RE: Underground Storage Tank Permitting
M and S Shell, 9750 Golf Links Road
Oakland, California 94605**

Dear Ms. Foster:

This letter is in regards to the issuance of a five year permit to operate the three underground storage tanks at the above mentioned facility. Our office had requested information pertaining to the quarterly inventory monitoring reports (October thru December 1989), for the three underground tanks. We received the information we requested from Shell Oil Company.

As a reminder, please be aware that you are required to report on your quarterly monitoring report any daily inventory swings which exceed the allowable levels specified in Section 2641 (5)(b) of the California Code of regulations, Title 23, Chapter 3, Subchapter 16, Underground Tank Regulations. An explanation in writing as to the cause of the variation should also be submitted to this office. All records must be maintained on site for the last three years.

Enclosed is a five year permit to operate the four underground tanks.

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

Sincerely,

Susan L. Hugo
Hazardous Materials Specialist

Enclosures (2)

cc: Mr. Robert G. Wallin, Shell Area Manager
Mr. Mohammad Mashoon, Dealer

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



VR02889
R02441

April 5, 1990

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

Ms. Lisa Foster
Shell Oil Company
P.O. Box 4023
Concord, CA 95424

RE: Underground Tank Issuance of Five Year Permit

Dear Ms. Foster:

An underground tank inspection was conducted at M & S Shell located at 9750 Golf Links Rd., Oakland, CA 94605 on February 1, 1990 by Susan Hugo of our department.

The California Code of Regulations, Title 23, Chapter 3, Subchapter 16, Underground Tank Regulations, Section 2641 (5) (b) requires that any inventory swings which exceed the allowable levels must be justified as to the cause of the variations. Upon reviewing your quarterly monitoring report (October thru December 1989), it showed inventory swings exceeding the allowable levels. Please submit to this office an explanation in writing as to the cause of the variations.

The Five Year permit will be issued as soon as the department receives the above mentioned document.

If you have any question, please contact Susan Hugo, Hazardous Materials Specialist at (415) 271-4320.

Sincerely,

Edgar B. Howell III, Chief
Hazardous Materials Division

EBH:SH:sh

cc: Gil Jensen, Alameda County District Attorney, Consumer and
Environmental Protection Agency
Ken Lottinger, Area Manager, Shell Oil Company
Mohammad Mashoon, Dealer
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Director



Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

✓ R02889

R02441

Telephone Number: (415) 271-4320

August 31, 1988

Shell Service Station
9750 Golf Link Rd.
Oakland, CA 94605

SUBJECT: UNDERGROUND STORAGE UNAUTHORIZED RELEASE (LEAK)
CONTAMINATION SITE REPORT

Dear Sir:

Our office received a report of a failed underground storage tank test from Hunter Environmental Services, Inc. The California Administrative Code, Title 23, requires all unauthorized releases to be reported. Section 2652(b) requires within 5 working days of detecting the release, the operator or permittee shall submit to the local agency (Alameda County Hazardous Materials Division) a full written report to include all of the following information which is known at the time of filing the report:

- 1) List of type and quantity of hazardous substances released.
- 2) The results of all investigations completed at that time to determine the extent of soil or groundwater or surface water contamination due to the release.
- 3) Method of cleanup implemented to date, proposed cleanup actions, and approximate cost of actions taken to date.
- 4) Method and location of disposal of the released hazardous substance and any contaminated soils or groundwater or surface water (indicate whether a hazardous waste manifest(s) is utilized).
- 5) Proposed method of repair or replacement of the primary and secondary containers.
- 6) Facility operator's name and telephone number.

Shell Service Station
9750 Golf Link Rd.
Oakland, CA 94605
Page 2 of 2
August 31, 1988

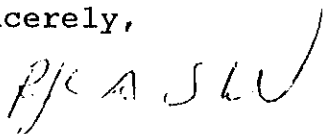
Until cleanup is complete, the operator or permittee shall submit reports to the County and the Regional Water Quality Control Board (RWQCB) every 3 months or at a more frequent interval if specified by either agency. The reports shall include the information requested in 2, 3, and 4 of the above. The report requested above shall be prepared in accordance with the San Francisco Regional Water Quality Control Board's "Guidelines for Addressing Fuel Leaks," September 1985. The initial investigation report shall be submitted within 30 days and shall include a site safety plan.

Soils contaminated at hazardous waste concentrations shall be transported by a licensed hazardous hauler and disposed of or treated at a California Department of Health Services approved facility. Soils contaminated below hazardous waste concentrations may be managed as non-hazardous but are subject to waste discharge requirements of the Regional Board.

Enclosed in an "Underground Storage Tank Unauthorized Release (Leak)/ Contamination Site Report" which should be completed and returned within 5 working days.

Should you have any questions regarding this letter, please contact Lowell Miller, Senior Hazardous Materials Specialist at 415/271-4320.

Sincerely,



Rafat A. Shahid, Chief
Hazardous Materials Division

RAS:LM:mam

Enclosure