

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RO# 379

ENVIRONMENTAL HEALTH SERVICES

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

StID 3686

October 21, 1998

Mr. Mark Hersh  
City of Oakland-Public Works  
250 Frank H. Ogawa Plaza, Suite 5301  
Oakland, CA 94612

**RE: Work Plan Approval for 670 98<sup>th</sup> Ave, Oakland, CA**

Dear Mr. Hersh:

I have completed review of Baseline's September 1998 "Work Plan for Soil Vapor Sampling and RBCA Tier II Health Risk Evaluation" proposal for the above referenced site. The proposal to collect soil vapor samples from a total of four boreholes and use the results in a RBCA evaluation is acceptable. However, the soil sample to be collected to define various soil parameters should be from a "clean" borehole. One soil sample would be adequate if subsurface lithology on both sides of 98<sup>th</sup> Avenue is similar.

Please notify this Agency at least 72 hours prior to the start of field work. If you have any questions, I can be reached at (510) 567-6762.

eva chu  
Hazardous Materials Specialist

670-98-5

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

R0379  
ARNOLD PERKINS, DIRECTOR  
RAFAT A. SHAHID, DEPUTY DIRECTOR

StID 3686

December 18, 1995

Mr. Andrew Clark-Clough  
City of Oakland, OPW  
1333 Broadway, Suite 1001  
Oakland, CA 94612

Alameda County  
Environmental Protection Division  
1131 Harbor Bay Parkway, Room 250  
Alameda CA 94502-6577  
(510) 567-6700

RE: GWI at 670 98th Ave, Oakland

Dear Mr. Clark-Clough:

I have completed review of Baseline's July 1995 Report on Ground Water Monitoring for the above referenced site. Groundwater was sampled from wells MW-1, MW-2, MW-3, and Well 18. Wells MW-4 and MW-5 could not be located. Elevated levels of petroleum hydrocarbons are still detected in wells MW-1 and Well 18.

Baseline recommended, and this office concurs with, the following:

1. Replace locking well caps with watertight caps and new locks;
2. Locate or replace wells MW-4, and MW-5, if they have not been decommissioned;
3. Further research location of former USTs at 692 98th Ave; and,
4. Characterize/delineate plume using temporary wells points. Storm drain and other utility trenches which may act as preferential pathways for the migration of contaminants will be investigated.

Please submit a workplan for the above investigation within 45 days of the date of this letter, or by **February 2, 1996**.

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

eva chu  
Hazardous Materials Specialist

cc: Okey Ozoh, City of Oakland, 7101 Edgewater Dr, Oakland  
94621  
files (670-98.5)

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0379

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH

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

StID 3686

December 1, 1995

Mr. Andrew Clark-Clough  
City of Oakland, OPW  
1333 Broadway, Suite 1001  
Oakland, CA 94612

**RE: Groundwater Investigation at 670 98th Ave, Oakland**

Dear Mr. Clark-Clough:

On November 29, 1994 this office again requested a workplan for additional subsurface investigations at the above referenced site. In response, the City of Oakland proposed to resume quarterly monitoring in January 1995. Also, a draft workplan was to be submitted at that time. To date, we are not in receipt of any quarterly monitoring reports, nor a workplan for the delineation of the groundwater contaminant plume at the site.

Be advised, according to Section 25298 of the California Health and Safety Code, underground storage tank closure is incomplete until the responsible party characterizes and remediates the contamination resulting from product discharge. Therefore, the City of Oakland, as the responsible party, is in violation of this section of the Code.

Again, please submit a workplan for the required investigation, and resume groundwater monitoring within 45 days of the date of this letter, or by **January 17, 1996**.

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

eva chu  
Hazardous Materials Specialist

cc: <sup>rf</sup> Okey Ozoh, City of Oakland, 7101 Edgewater Dr, Oakland  
94621  
files

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R0379

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

StID 3686

October 6, 1993

Mr. Joseph Cotton  
City of Oakland-OPW  
1333 Broadway, Suite 330  
Oakland, CA 94612

**Subject: Groundwater Investigation at 670 98th Ave, Oakland**

Dear Mr. Cotton:

I have completed review of Applied Geotechnology's August 1993 Limited Phase I Environmental Assessment and Groundwater Monitoring Report for the above referenced site. Groundwater analyses still indicate off-site wells to contain high levels of petroleum contaminants (free product in monitoring well MW-1 and 7,000 ppb TPH-G and 440 ppb benzene in monitoring well 18).

Interim measures should be taken as soon as possible to recover free product and to prevent further plume migration. A workplan for an investigation to delineate the groundwater plume should be submitted to this office **within 45 days of the date of this letter**. The information gathered by this investigation will be used to determine an appropriate course of action to remediate the site.

In a previous meeting with Ms. Julie Carver, the City of Oakland was attempting to name other potential responsible parties for the fuel release at this site. Please keep us informed when additional information is available to name such parties. Also, a quarterly groundwater monitoring/sampling scheduled should be implemented. Technical summary reports are also due quarterly.

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

eva chu  
Hazardous Materials Specialist

cc: files

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY



DAVID J. KEARS, Agency Director  
StID 3686

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

R0379

December 7, 1992

Julie Carver  
City of Oakland  
1330 Broadway Suite 1001  
Oakland CA 94612

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

**Subject: Interim Remediation for 670 98th Ave., Oakland 94603**

Dear Ms. Carver:

This office has completed review of the files for the above referenced site. A subsurface investigation of the area began when plans to widen 98th Avenue and to excavate new utility trenches were initiated. This investigation revealed elevated levels of petroleum hydrocarbon contamination due to the unauthorized release from underground storage tanks at 670-692 98th Avenue. Soil borings were advanced and monitoring wells installed to determine the extent and severity of soil and ground water contamination on- and offsite. Twelve hundred cubic yards of contaminated soil was excavated for disposal and remediation.

A draft Remedial Action Plan for Augmented Bioremediation, dated September 7, 1990, was submitted by Cyto Culture Environmental Biotechnology. The proposal included the installation of an extraction trench along the west side of 98th Avenue to recover contaminated water which would be pumped to a bioreactor for treatment.

The last quarterly monitoring report we have on file is dated February 27, 1991, prepared by Subsurface Consultants, Inc. This report indicated free product found in monitoring well MW-1 and high contaminant levels in Well 18. Ms. Cynthia Chapman of this office sent a letter (enclosed), dated March 7, 1991, requesting the City of Oakland to:

1. establish interim measures to prevent plume migration;
2. delineate the extent of both the dissolved and free product contaminant plume; and
3. remediate contaminated groundwater.

To date we are not in receipt of reports documenting that bioremediation of groundwater has begun or that the extent of groundwater contamination has been delineated.

At this time, pursuant to Section 2721 et seq. of Article 11, Title 23, California Code of Regulations, you are hereby requested to develop a Corrective Action Plan (CAP) for further investigation of this site, and to identify and evaluate all feasible alternatives for cleanup of soil and groundwater, both

Julie Carver/City of Oakland  
Re: Remediation of 670 98th Ave  
December 7, 1992

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on- and offsite, caused by the unauthorized release of petroleum products.

The reference CAP is due in this office within 45 days of the date of this letter. Include a time schedule for the completion of each aspect of the remediation process, as well as a proposal for the determination of the lateral extent of soil contamination at this site. If the City plans to implement the above referenced bioremediation plan, field work should commence within 45 days of the date of this letter.

In addition, please be advised, pursuant to Section 2655 of Article 5, Title 23 of the California Code of Regulations, the owner or operator shall conduct free product removal in a manner that will minimize the spread of contamination into previously uncontaminated zones. Free product removal reports must be prepared in compliance with said section and be submitted within 45 days upon completion of interim remediation.

At this time, a quarterly schedule of well sampling and monitoring needs to be developed. Technical summary reports documenting each well sampling and monitoring episode are due quarterly. This schedule shall continue until further notice.

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. Copies of all proposals and reports must also be sent to Mr. Richard Hiett of the RWQCB.

Should you have any questions about the content of this letter, please contact me at (510) 271-4530.

Sincerely,



Eva Chu  
Hazardous Materials Specialist

enclosure

cc: Rich Hiett, RWQCB  
Edgar Howell/files

oak670.98

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



R0379

RAFAT A. SHAHID, Assistant Agency Director

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

StID 3686

November 29, 1994

Mr. Andrew Clark-Clough  
City of Oakland-OPW  
1333 Broadway, Suite 330  
Oakland, CA 94612

RE: QMR for 670 98th Ave, Oakland 94603

Dear Mr. Clark-Clough:

On October 6, 1993 this office requested a workplan for the delineation of the groundwater contaminant plume emanating from the above referenced site. Also, interim measures were to have been taken to removed floating product form well MW-1. To date, we are not in receipt of any reports of proposed work or ongoing monitoring at the site.

The required workplan for additional investigations is well past due. Please submit this report within 30 days of the date of this letter, or by December 30, 1994. Quarterly monitoring should be reinstated for the site.

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

Sincerely,

eva chu  
Hazardous Materials Specialist

enclosure

cc: files