

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0778

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

October 4, 1995
StID # 4606

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

**Re: Closure of Monitoring Wells at 1235 E. 14th St., Oakland
CA 94606, Fire House 4.**

Dear Mr. Clark-Clough:

This is to inform you that our office has received concurrence on the recommendation for site closure for the above referenced site. Prior to issuance of the Remedial Action Completion Certificate (RACC) we must receive documentation of the proper closure of those monitoring wells at the site. As an alternative, the RP may also provide a written statement indicating what type of regular inspection and safety precautions will be taken to insure the integrity of the existing wells.

Please notify me of your intentions in regards to these wells so I may facilitate site closure.

You may reach me at (510) 567-6765 should you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: G. Young, files
MWcl1235

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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

June 9, 1994
StID # 4606

Mr. Andrew Clark-Clough
Office of Public Works
1333 Broadway
Oakland, CA 94612

**Re: Comment on May 24, 1994 Monitoring Well Installation Report
for 1235 E. 14th St., Fire Station 4, Oakland CA 94606**

Dear Andrew:

Our office has received and reviewed the above referenced report prepared by Moju Environmental Technologies. Given the extensive overexcavation which has been performed at this site, our office concurs with the recommendation of your consultant ie to continue on a quarterly basis:

1. to measure groundwater elevation and determine gradient; and
2. to continue to sample and analyze MW-2 for Total Petroleum Hydrocarbons as diesel and BTEX. Assuming the gradient remains consistent and the groundwater remains non-detectable for these parameters, our office will evaluate this site for recommendation for closure after four quarters of monitoring.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Barney M. Chan".

Barney M. Chan
Hazardous Materials Specialist

cc: O. Ozoh, City of Oakland, 7101 Edgewater Dr., Oakland 94621-3001

M. Ritson, Moju Environmental Technologies, 315 Washington St., Suite 200, Oakland CA 94607

E. Howell, files

mon1235

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(510) 271-4530

February 16, 1994
StID #4606

Mr. Okey Ozoh
City of Oakland
7101 Edgewater Drive
Oakland, CA 94621-3001

**Re: Review of January 21, 1994 Work Plan for the Installation of
Monitoring Wells at Oakland Fire Station #4, 1235 E. 14th
St., Oakland CA 94606**

Dear Mr. Ozoh:

Our office has received and reviewed the above referenced work plan for the installation of three monitoring wells at the above site as prepared by Moju Environmental Technologies. I have also spoken with Mr. Odili Ojukwu of Moju regarding the specifics of this work plan. In general, our office agrees with the installation of the three wells proposed, however, we do have the following requirements/concerns:

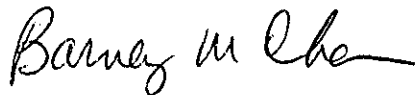
1. The 30 feet depth of the proposed monitoring wells may not be enough to include the 10 feet screen interval into the saturated zone which our office generally likes to see. The depth of the wells should fullfill the County's preference.
2. The location of the assumed downgradient well, MW-3, should fullfill the need to generate reliable gradient information. Generally, three wells should be equidistant from each other. Mr. Ojukwu assured me that this condition would be met.
3. In order to define the extent of soil and groundwater contamination, guidelines require the installation of at least one well within 10 feet of the tank (or tank excavation) in the verified downgradient direction. Because of this, an additional well should be installed on the south side of the excavation pit either on the City's property or on the neighboring property. This can also serve as a "trigger well" if Alternative Points of Compliance, (APC), is considered as the remedial method for this site. This well will also provide information as to potential contamination impacting the neighboring site.
4. At a minimum, the borings from the 10-11 foot range should be analyzed for the target compounds given the results of the overexcavation.

Mr. Okey Ozah
StID #4606
1235 E. 14th St.
February 16, 1994
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Assuming the above items are met, you may proceed with this work plan. I have been informed that the wells are to be installed on Thursday, February 17, 1994. If this doesn't happen, please contact our office 48 working hours prior to any field activity so I may arrange to be present if possible.

You may contact me at (510) 271-4530 if you have any questions.

Sincerely,



Barney M. Chan
Hazardous Materials Specialist

cc: O. Ojukwu, Moju Environmental Technologies, Washington
Street, Suite 200, Oakland CA 94607
E. Howell, files

wpap1235

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80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

December 29, 1993
StID # 4606

Mr. Okey Ozoh
City of Oakland
7101 Edgewater Drive
Oakland CA 94621

**Re: Comment on December 7, 1993 Reports on the Tank Closure at
1235 E. 14th St., Oakland CA 94601**

Dear Mr. Ozoh:

Our office has received and reviewed both reports detailing the tank removal and overexcavation of soils at the above site. Upon review of this data it appears that the overexcavation was fairly successful in removing residual soil contamination with the exception of soil in the areas of samples VS-7 and VS-9.

Upon review of our files, it was determined that there are currently no sites in the immediate vicinity of this one which have monitoring well data which can be used to determine gradient for this site. Recall, one monitoring well is allowed where groundwater gradient is verified by nearby sites and soil contamination is minimal and confined in nature. The failure to remove all elevated levels of diesel contamination indicates the possibility of a significant contaminant plume. Because of these reasons, a minimum of three monitoring wells should be installed at this site. In order to proceed, our office requests the submission of a work plan for the installation of a minimum of three monitoring wells. Our office made a request for a work plan for groundwater investigation in my September 29, 1993 letter. I understand that you wanted to wait for the results in these reports prior to issuing a work plan.

Please provide the requested work plan **within 30 days or by January 31, 1994**. You may contact me at (510) 271-4530 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

cc: J. Mrakovich, TPE, 2821 Whipple Rd., Union City, CA 94587-1233
E. Howell, files
2wp1235E14

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80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

September 29, 1993
StID # 4606

Mr. Okey Ozoh
City of Oakland
7101 Edgewater Drive
Oakland CA 94621-3001

**Re: Request for Work Plan for the Installation of Monitoring
Well(s) at Fire House #4, 1235 E. 14th St., Oakland CA 94606**

Dear Mr. Ozoh:

As you are aware, the oversight of the investigation and remediation of this site has been transferred to the Local Oversight Program (LOP) section of Alameda County Environmental Health, Hazardous Materials Division. You have been notified of this through the **Notice of Requirement to Reimburse** letter recently sent to your attention. Our office is working in behalf of the Regional Water Quality Control Board (RWQCB) to oversee fuel release cases such as this.

Enclosed please find an Unauthorized Release Form to be completed by you or a designee and returned to our office **within ten days of receipt.**

Tank Protect Engineering (TPE) is currently concluding their overexcavation of the tank pit and taking confirmation samples. It is understood that due to physical and use constraints, the pit will be backfilled with clean fill, regardless of the degree of success of this overexcavation. Please be aware because of the level of contamination exhibited at this site, a groundwater investigation is required to determine the extent of groundwater contamination. Upon verification of groundwater gradient, a minimum of one groundwater monitoring well must be installed within ten feet of the former tank pit in the downgradient direction.

Please submit a work plan for the installation of monitoring well(s) at the above site **within 45 days, or by November 15, 1993.** You should also identify the fate of all stockpiled soils. Please contact me at (510) 271-4530 if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Barney M. Chan".

Barney M. Chan
Hazardous Materials Specialist

cc: E. Howell, files wp-1235e14