

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R0543

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

February 7, 1994  
STID# 3653

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

**RE: Workplan for the Installation of Three Monitoring Wells  
at 5714 Martin Luther King Jr. Way, Oakland, California 94609**

Dear Mr. Clark-Clough:

This office has completed review of the "Workplan for the Installation of Three Monitoring Wells", dated January 28, 1994 and prepared by Uribe and Associates for the referenced site.

Based on this review, the basic elements of thee workplan is acceptable provided the following items are addressed:

- 1) During borehole advancement, soil samples must be collected at a minimum of every five feet in the unsaturated zone, significant changes in lithology and where field screening identifies the presence of contaminants. The selection of samples chosen for laboratory analysis should be based primarily on field evidence. A minimum of one sample submitted for analysis from each boring must be from the saturated/unsaturated zone interface.
- 2) A minimum of 24 hours, and preferably 72 hours should pass between well development and purging/sampling.
- 3) Wells should be surveyed to an accuracy of 0.01 foot and referenced to a common bench mark such as mean sea level (MSL).
- 4) Please submit a copy of the monitoring well construction diagrams.
- 5) Please provide this office with documentation of the disposal of the stockpiled soil.

Response to items #4 and #5 should be included in the report to be submitted to this office following completion of this investigation. Report must be submitted within 45 days after workplan implementation.

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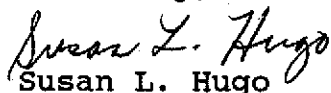
Until cleanup is complete, you will need to submit reports to this office every three months (or at a more frequent interval, if specified at any time by this agency). In addition, the following items must be incorporated in your future reports or workplans:

- 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

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.

Please contact me at (510) 271-4530 if you have any questions concerning this letter.

Sincerely,



Susan L. Hugo  
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health  
Gil Jensen, Alameda County District Attorney's Office  
Edgar B. Howell, Chief, Hazardous Materials Division - files

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY



DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

November 19, 1993  
STID# 3653

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. Julie Carver  
City of Oakland  
1333 Broadway, Suite 1001  
Oakland, California 94612

**RE: Underground Storage Tank Removal at Martin Luther King Jr.  
High School - 5714 Martin Luther King Jr. Way  
Oakland, California 94609**

Dear Ms. Carver:

The Alameda County Department of Environmental Health, Hazardous Materials Division has recently reviewed the files concerning the removal of one heating fuel underground storage tank (1000 gallon) in August 2, 1991 at the referenced site. We are in receipt of the following reports:

- \* Tank Removal Project Report (August 21, 1991) prepared by Decon Environmental Services, Inc.
- \* Underground Storage Tank Unauthorized Release (Leak)/ Contamination report prepared by Harding Lawson Asso., August 7, 1992
- \* Underground Storage Tank Removal Report ( April 24, 1992 ) prepared by Harding Lawson Asso.

Soil samples collected beneath the tank at approximately 17 feet BGS showed low levels of petroleum hydrocarbon ( 2.2 ppm TPH gasoline and 5.9 ppm TPH diesel ). However, the stockpiled soil exhibited elevated levels of the following : 950 ppm TPH motor oil, 750 ppm TPH diesel, 430 ppm TPH gasoline, 0.51 ppm benzene, 0.35 ppm toluene, 0.33 ppm ethyl benzene, and 1.8 ppm xylene. Groundwater sample collected from the excavation pit showed the following contaminants: 18,000 ppb TPH diesel, 1,200 ppb TPH gasoline, 20 ppb benzene, 75 ppb toluene, 26 ppb ethyl benzene and 84 ppb xylene. During the tank removal activity, corrosion holes were observed to be present at the sides and ends of the former heating fuel tank. Clearly, an unauthorized release occurred from the leaking tank.

Because of the degree of contamination found at the site, further environmental assessment is required.

Harding Lawson installed a monitoring well in the excavation pit before backfilling as stated in their report dated April 24, 1992. No work plan was submitted to this office concerning the installation of this well. It appears that no additional work nor data was provided other than the installation of the well. Please

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submit any current data and a copy of the monitoring well installation diagram.

This office will be the lead agency overseeing the environmental investigation and cleanup activities at the site. A preliminary assessment should be conducted to determine the extent of soil and/or groundwater contamination that has resulted from the former leaking tank. The information gathered by this investigation will be used to assess the need for additional actions at the site. The preliminary assessment should be designed to provide all of the information in the format shown in the attachment at the end of this letter, which is based on the RWQCB's guidelines. You should be prepared to install at a minimum, three monitoring wells to establish gradient direction of the groundwater at the site. One of the wells should be installed within 10 feet in the verified downgradient location of the former tank excavation. Quarterly monitoring must be performed to determine extent of the groundwater contamination. Groundwater monitoring wells must be sampled and analyzed for the following target compounds: TPH gasoline, TPH diesel, TPH motor oil, benzene, toluene, ethyl benzene and xylene. Groundwater elevation readings must be incorporated in the quarterly sampling.

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 office). This reports must include information pertaining to further investigative results; the methods of cleanup actions implemented to date; and the method and disposal of any contaminated material. Copies of manifests for such disposal must be sent to this office. Stockpiled soil from the pit may not be used to backfill these holes without authorization from this office. Only clean fill can be used to backfill the excavation pit. Please provide our office with documentation of the disposal of the stockpiled soil.

Your work plan to determine the vertical and horizontal extent of hydrocarbon contamination must be submitted to this office no later than **January 19, 1994**. 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.

Because we are overseeing this site under the designated authority of the Regional Water Quality Control Board, this letter constitutes a formal requests for technical reports pursuant to California Water Code Section 13267(b). Any extensions of stated deadlines or changes in the workplan must be confirmed in writing

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and approved by this agency.

Enclosed is a copy of Appendix A (Workplan for Initial Subsurface Investigation (August 20, 1991) for your reference.

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

Sincerely,



Susan L. Hugo  
Senior Hazardous Materials Specialist

Enclosure

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health  
Rich Hiett, San Francisco Bay RWQCB  
Gil Jensen, Alameda County District Attorney's Office  
Edgar B. Howell, Chief, Hazardous Materials Division / file  
Larry Friend, HLA 7655 Redwood Blvd., P.O. Box 578  
Novato, CA 94948