

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



SENT 8-14-2000

RO# 299

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

August 14, 2000  
StID # 4219

Mr. Dale Klettke  
Port of Oakland  
P.O. Box 2064  
Oakland CA 94607-2064

**Re: Closure of Monitoring Wells for Hangar 9, 7683 Earhart Rd., Oakland CA 94621**

Dear Mr. Klettke:

Our office has received concurrence from the Regional Water Quality Control Board on our recommendation for site closure of the above referenced location. This includes both the underground tank and surface release (SLIC) investigations. Prior to issuing a closure letter, our office requests the proper closure of the six (6) existing monitoring wells installed on and off-site.

You may contact Alameda County Public Works Water Resources Section at (510) 670-5554 for specific requirements of well closure.

Please contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

C: B. Chan, files

wlcrqHangar9

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



FEB 08 2000

cc's

20299

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

February 7, 2000  
StID # 4219

Mr. Dale Klettke  
Port of Oakland  
530 Water St.  
P.O. Box 2064  
Oakland CA 94604-2064

**Re: Site Investigation at Hangar 9 Area, MOIA, North Field, Oakland CA94621**

Dear Mr. Klettke:

Our office has received your February 3, 2000 letter regarding the above referenced site. This letter responds to our office's concern regarding the lack of information on volatile organic compounds in groundwater at this site given the historic site usage. The Port proposes to collect and analyze groundwater samples from monitoring wells MW-2A, MW-3, MW3-4 and MW1-4 for volatile organic compounds by EPA Method 8240. Our office agrees with this proposal as a method to determine if volatile organics have impacted groundwater in the general area of the former maintenance buildings.

Please inform our office prior to performing this work. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

C: B. Chan, files

Ms. J. Pettijohn, Baseline Environmental, 5900 Hollis St., Suite D., Emeryville, CA 94608

VocHangar9

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



SENT 9-10-99  
(1) D. KLETTKE  
(2) J. PETTIJOHN  
(3) B. CHAN

R0299

September 8, 1999  
StID # 4219

Mr. Dale Klettke  
Port of Oakland  
P.O. Box 2064  
Oakland CA 94607-2064

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

**Re: Hangar 9 Investigation, 7683 Earhart Rd., Oakland CA 94621**

Dear Mr. Klettke:

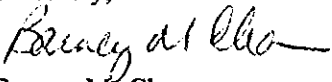
This letter responds to the August 17, 1999 Baseline report discussing the previously requested data for the above site. As you recall, during our July 6, 1999 meeting at the County offices, additional sample analysis or data was requested prior to performing a Tier 2 RBCA analysis for this site. Polynuclear aromatics (PNAs) in soil and groundwater and MTBE in groundwater were requested. In addition, site specific geotechnical data was proposed to be obtained from borings and used in the risk assessment.

The August 17<sup>th</sup> Baseline report responds to these requested items. Baseline stated that soil sample Comp 1-1 (ABCD) results could be used to represent the requested PNA analysis, however, this sample was not located close to the highest TEPH soil samples, H9S-06 and H9S-01 and its TRPH concentration was only 190 ppm. Therefore, our office requests a shallow soil sample (approximately 1.5' bgs) be collected in a location between former soil samples H9S-06 and H9S-01 to be analyzed for semi-volatiles. If semi-volatiles are detected in this soil sample a groundwater sample from MW-2 should also be run for these analytes.

At the request of Baseline, previous analytical data for groundwater samples run for BTEX were re-examined by Sequoia Analytical. Based on their review MTBE was not found greater than the practical quantitation limit (PQL). Please have the laboratory send copies of the chromatograms for the groundwater sample and the standards indicating the standard peak for MTBE and their calculation for PQL. Based upon our concurrence of this data, no additional MTBE analysis may be required.

The advancement of additional borings may not be necessary if the default values of either the ASTM RBCA or the Oakland RBCA are used. However, specific depth to water et al data should be used in the Tier 2 evaluation. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

  
Barney M. Chan  
Hazardous Materials Specialist

C: B. Chan, files

Ms. J. Pettijohn, Baseline Env. Consultants, 5900 Hollis St., "D", Emeryville, CA 94608

2 RBCA7683Earhart

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



MOIA, HANGER 9 AREA  
LF19, LF20  
7683 Earhart Rd. Oakland

RO# 299

ENVIRONMENTAL HEALTH SERVICES

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

June 4, 1999  
StfID # 4219

Mr. Dale Klettke  
Port of Oakland, Env. Health and Safety Compliance  
P.O. Box 2064  
Oakland CA 94607-2064

**Re: Risk-Based Closure Report for Hangar 9 Area, MOIA, North Field, Oakland CA 94621**

Dear Mr. Klettke:

This letter responds to the July 31, 1998 ITSI Addendum to their original February 1998 risk assessment. Our risk assessor has reviewed these documents and we still have the following concerns, which need to be addressed:

- It appears from Figure 3 of ITSI's addendum, a number of soil samples outside of Hanger 9 were evaluated in the risk assessment. Please indicate on Figure 3 the approximate boundary of Hangar 9 and insure that those samples outside of the boundary are excluded from the risk assessment.
- Please be aware that the acceptable Target Risk used for this site is 1.0E-5.
- Please use site specific parameters in your Tier 2 RBCA evaluation, eg depth to groundwater, length of contamination etc.
- The construction worker scenario was not evaluated. This scenario, which includes dermal, inhalation and oral exposure from surface soils (< 5' bgs), should be evaluated.
- The two pathways, soil to indoor air and groundwater to indoor air, were not evaluated and were identified as incomplete. If these pathways are not evaluated, you will be required to provide a risk management plan and a deed notification or deed restriction.

Please have your consultant address these items so our office can continue our evaluation for site closure. You may contact me at (510) 567-6765 for general or Ms. Madhulla Logan at (510) 567-6764 for specific risk assessment questions.

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

C: B. Chan, files

2HRAHangar 9

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

RO# 299

RON161

June 3, 1999  
StID # 4219

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

Mr. Dale Klettke  
Port of Oakland  
Environmental Health & Safety Compliance  
530 Water St.  
Oakland CA 94607-2064

INTENT TO MAKE A DETERMINATION THAT NO FURTHER ACTION IS  
REQUIRED OR ISSUE A CLOSURE LETTER FOR ~~8332 E. 14<sup>th</sup> St., Oakland~~  
CA 94621

<sup>v</sup>  
MOIA, Hanger 9 Area LF19, LF20  
7683 Earhart Rd. Oakland

Dear Mr. Klettke:

This letter is to inform you that Alameda County Environmental Health Department, Local Oversight Program (LOP), intends to make a determination that no further action is required at the above site or to issue a closure letter. Please notify this agency of any input and recommendations you may have on these proposed actions within 20 days of the date of this letter.

In accordance with section 25297.15 of Ch. 6.7 of the Health & Safety Code, you must provide certification to the local agency that all of the current record fee title owners have been informed of the proposed action. Please provide this certification to this office within 20 days of the date of this letter. You may use the enclosed example letter (#3) for your reply.

If you have any questions about these proposed actions, please contact Barney Chan at (510) 567-6765.

Sincerely,

*Barney Chan for*

Thomas Peacock  
Manager, LOP

enclosure

cc: Chuck Headlee, RWQCB  
Mr. L. Griffin, City of Oakland Fire Services OES, 504 14<sup>th</sup> St., 7<sup>th</sup> Floor,  
Oakland, CA 94612

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY  
DAVID J. KEARS, Agency Director



RODA

June 3, 1999

STID #4219

Mr. Dale Klettke  
Port of Oakland  
Environmental Health and Safety Compliance  
530 Water St.  
Oakland CA 94607-2064

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

**RE: Hanger 9 Area, MOIA, North Field, 7683 Earhart Rd., Oakland CA 94621**

LANDOWNER NOTIFICATION AND PARTICIPATION REQUIREMENTS

Dear Mr. Klettke:

This letter is to inform you of new legislative requirements pertaining to cleanup and closure of sites where an unauthorized release of hazardous substance, including petroleum, has occurred from an underground storage tank (UST). Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code requires the primary or active responsible party to notify all current record owners of fee title to the site of: 1) a site cleanup proposal, 2) a site closure proposal, 3) a local agency intention to make a determination that no further action is required, and 4) a local agency intention to issue a closure letter. Section 25297.15(b) requires the local agency to take all reasonable steps to accommodate responsible landowners' participation in the cleanup or site closure process and to consider their input and recommendations.

For purposes of implementing these sections, you have been identified as the primary or active responsible party. Please provide to this agency, within twenty (20) calendar days of receipt of this notice, a complete mailing list of all current record owners of fee title to the site. You may use the enclosed "list of landowners" form (sample letter 2) as a template to comply with this requirement. If the list of current record owners of fee title to the site changes, you must notify the local agency of the change within 20 calendar days from when you are notified of the change.

If you are the sole landowner, please indicate that on the landowner list form. The following notice requirements do not apply to responsible parties who are the sole landowner for the site.

LANDOWNER NOTIFICATION

Re: 7683 Earhart Rd., Oakland CA 94621

June 3, 1999

Page 2 of 2

In accordance with Section 25297.15(a) of Ch. 6.7 of the Health & Safety Code, you must certify to the local agency that all current record owners of fee title to the site have been informed of the proposed action before the local agency may do any of the following:

- 1) consider a cleanup proposal (corrective action plan)
- 2) consider a site closure proposal
- 3) make a determination that no further action is required
- 4) issue a closure letter

You may use the enclosed "notice of proposed action" form (sample letter 3) as a template to comply with this requirement. Before approving a cleanup proposal or site closure proposal, determining that no further action is required, or issuing a closure letter, the local agency will take all reasonable steps necessary to accommodate responsible landowner participation in the cleanup and site closure process and will consider all input and recommendations from any responsible landowner.

Please call me at (510) 567-6765 should you have any questions about the content of this letter.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

Attachments

cc: Chuck Headlee, RWQCB

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



MOIA, HANGER 9 AREA  
LF19, LF20  
7683 EARHART RD,  
OAKLAND, CA 94621  
R0# 299

August 27, 1998  
StID # 4219

Mr. Dale Klettke  
Port of Oakland  
530 Water St.  
Oakland CA 94607

ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION (LOP)  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-8577  
(510) 567-6700  
FAX (510) 337-9335

**Re: Request for Deposit for Oversight Fees for the Non-UST Portion of Hangar 9 Area,  
MOIA, North Field, Oakland CA 94621**

Dear Mr. Klettke:

This letter requests the submission of a check for \$1000.00 for the oversight fees for the County's review and oversight of the above referenced site. As you are aware, our office has been reviewing both the underground tank release and SLIC release at the above site. The recently submitted RBCA human health risk assessment was based upon analytical data from both underground tank and surface release samplings. Our office is considering the recommendation for closure of both the LOP and SLIC portions of this site. Thus, our office requires the above mentioned deposit to account for the non-UST related oversight activities.

Please indicate on your check the project # (1737b), the site address 7683 Earhart Rd., Oakland CA 94621 and the type of project (M).

The deposit refund mechanism is authorized in Section 6.92L of the Alameda County Ordinance Code. Work on this project will be debited at the Ordinance specified rate, currently \$100/hr.

If you have any questions, please contact me at (510) 567-6765.

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

C: files



ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0#299

June 18, 1998  
StID # 4219

Mr. Dale Klettke  
Port of Oakland  
Environmental Health & Safety Compliance  
530 Water St.  
Oakland CA 94607

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

**Re: Risk-Based Closure Report for Hangar 9 Area, MOIA, North Field,  
Oakland CA 94621**

Dear Mr. Klettke:

This letter serves to request additional information and clarification needed by our office before we can continue to evaluate the above referenced report by ITSI.

Unfortunately, the items in my May 22, 1998 letter still need clarification. I would like to reiterate my concerns:

- As you are aware, the Hangar 9 area was in question. Does it include Parcel 1 and Parcel 2 or just Parcel 1? Are the site maps which outline the approximate 6.7 acre Parcel 1 and the 1 acre Parcel 2, actually individual parcels or are they part of other parcels? Do they have a street address?
- Is it reasonable to close the non-UST release on Parcel 1 given the apparent undefined extent of the higher boiling petroleum contaminants? These contaminants are likely from former US Navy use.
- Although there is evidence of a former pump and possibly an underground tank on Parcel 2, the east parcel, there has not been documentation of a release from an underground tank or from a surface release. Therefore, this parcel does not require closure, at this time.

Our office requests the following information be provided as an addendum to the **Risk-Based Closure Report for Hangar 9 Area** from ITSI:

- Please provide a site map indicating the location of all soil samples mentioned in the summary tables of laboratory results.
- Please also include the depth at which each sample was taken and all the analytical results including TPHg, TPHd, TPHjf etc.
- Please reference the report where each set of results may be found ie date, name of report and consultant.

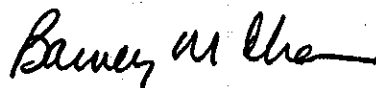
Mr. Dale Klettke  
StID # 4219  
Hanger 9, 7683 Earhart Rd.  
June 18, 1998  
Page 2.

Keep in mind, you should use only those samples which fall within the area described as Hangar 9 Area. You may need to modify the initial RB Closure report.

Please provide the requested items within 30 days or by July 20, 1998.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

C: B. Chan, files  
Mr. J. Hess, ITSI, 1330 Broadway, Suite 1625, Oakland, CA 94612

Hza119

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RO# 299

May 22, 1998  
StID # 4219

Mr. Dale Klettke  
Port of Oakland  
Environmental Health & Safety Compliance

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

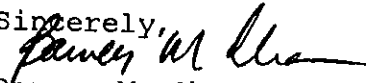
**Re: Request for Information for Hangar 9 Area, MOIA North Field,  
Oakland CA 94621**

Dear Mr. Klettke:

Thank you for the technical reports and the site map which you recently provided our office. Our meeting at this site was quite informative. Based on review of reports and my site visit, our office has the following concerns and requests:

- Please clarify which parcels are referred to as the Hangar 9 Area. The July 1991 Tetra Tech report states that the Hangar 9 Area consists of the 6.7 acre parcel west of Earhart Rd. and the 1 acre parcel to the east of Earhart Rd. Figure 1 in this report provides a map of these parcels. Please provide specific location or description of these parcels. Each parcel should have an address, parcel number, map coordinates or other unique identification. Generic identification such as former buildings, "L-807, L-808 et al" should be avoided.
- Please clarify whether underground tank(s) or piping remain on the east parcel. During the site visit, there was evidence of the existence of an underground tank near the existing transformer. Please perform a subsurface inspection to confirm the existence or absence of an underground tank and associated piping.
- At this time, our office will put off the evaluation of the "**Risk-Based Closure Report for Hangar 9 Area**" from ITSI. Under a separate cover, our risk assessor, Ms. Madhulla Logan will provide written comment after site characterization is complete.

Please provide the requested information as soon as possible to expedite our review of this site. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,  
  
Barney M. Chan  
Hazardous Materials Specialist

C: B. Chan, files  
Mr. J. Hess, ITSI, 1330 Broadway, Suite 1625, Oakland CA 94612

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

May 18 1998  
DAVID KEARS, Agency Director  
StID # 4219

RO# 299

Mr. Dale Klettke  
Port of Oakland  
Environmental Health & Safety Compliance

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

**Re: Request for Technical Reports and Information for Hangar 9 Area,  
MOIA, North Field, Oakland CA 94621**

Dear Mr. Klettke:

It has come to my attention upon reviewing the "Risk-Based Closure Report for Hangar 9 Area" from ITSI, that our office is missing a number of technical reports mentioned in this report. Please provide copies the following reports:

- November 1994 , Uribe & Associates, Report of Monitoring Well Installation at Hangar 9
- March 1995, Clayton Environmental Consultants, Sample Results for "Water Line" Soil Samples Between Buildings L-812 and L-820. Alisto, Collection of soil samples along water line replacement
- October 1995, Alisto Engineering Group, Results of Soil Sampling, Aircraft Apron Site and
- November 1995, Alisto Engineering Group, Results of Soil Sampling Beneath Former Buildings L-807, L-808 and L-809.

The request for site closure will be evaluated for both surface and underground tank releases. Because the Hangar 9 Area includes both the 6.7 acre parcel to the west of Earhart Road and the 1 acre parcel to the east, please comment on the adequacy of investigation for the closure of the eastern parcel. Specifically, please provide the location of the former UST(s) and dispensers relative to monitoring well MW-1. When were the tank(s) removed? Is there any record or report of the removal?

Please provide the requested reports and information regarding the eastern parcel as soon as possible to expedite our review of this site. Please also attach a signed letter from the registered professional responsible for the Risk-Based Closure Report. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan  
Hazardous Materials Specialist

C: B. Chan, files

Mr. J. Hess, ITSI, 1330 Broadway, Suite 1625, Oakland CA 94612

Doc7683

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY



DAVID J. KEARS, Agency Director

20299 ✓

July 22, 1996  
StID # 4219

Mr. Jeffrey Rubin  
Port of Oakland  
530 Water St.  
P.O. Box 2064  
Oakland CA 94604-2064

Alameda County 004580  
Environmental Health Services  
1131 Harbor Bay Pkwy., #250  
Alameda CA 94502-6577  
(510)567-6700 FAX(510)337-9335

**Re: Request for Technical Reports for Former Tanks No. LF 19 and LF 20, 7683 Earhart Road, Oakland CA 94621**

Dear Mr. Rubin:

As you are aware, our office is currently reviewing the file on the above referenced site in preparation of a site closure summary to be sent to the RWQCB. Upon review of the file, it appears that a number of reports and other items of information are lacking. Please provide the following reports/information so I may prepare the closure report:

1. Although our office has analytical results from several Phase II reports, please provide the complete reports; **Phase II Site Investigation Hangar 9, North Field Airport, Tetra Tech July 1991 and Report Hangar 9 Phase II Site Site Investigation, North Field Airport, Port of Oakland, The Mark Group, November 6, 1992.** These reports provide additional information for potential non-UST petroleum releases at this site. Site closure for both UST and non-UST release is being considered.

2. It appears that our office is missing the quarterly monitoring reports from 5/17/93 through 6/1/95. We they ever sent? Please provide copies of these reports to complete our file.

3. What is the Port's theory as to the source of the jet fuel and diesel fuel being detected at this site? Is there reason to believe that the extent of this contamination has been determined through the prior investigations?

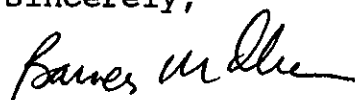
4. Please complete documentation for the disposition of spoils generated from the excavation of these two tank areas. According to Mr. Jon Amdur's February 17, 1993 letter to Mr. Britt Johnson of our office, approximately 770 cubic yards of soil was excavated, of which 120 cubic yards contained hazardous waste levels of soluble lead. Of the remaining 650 cubic yards, approximately 360 cubic yards was treated at the bioremediation site and placed as fill at Port property. Please provide documentation for the disposal of the 120 cubic yards of hazardous soils and the other 290 cubic yards.

Mr. J. Rubin  
StID # 4219  
7683 Earhart Road  
July 22, 1996  
Page 2.

Please provide the requested reports and information within 30 days or by August 23, 1996.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

c: Mr. Al Sevilla, Alisto Engineering Group, 1575 Treat Blvd.,  
Suite 201, Walnut Creek, CA 94598  
G. Coleman, files

rep7683

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R0299

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

March 29, 1993  
StID #4219

Ms. Patricia Murphy  
Port of Oakland  
530 Water St.  
Jack London's Waterfront  
P.O. Box 2064  
Oakland CA 94604-2064

**Re: Comment on February 25, 1993 Quarterly Groundwater Monitoring  
Report for 7683 Earhart Road, Oakland CA 94621**

Dear Ms. Murphy:

This letter follows our conversation today regarding the status of this site. Our office has received and reviewed the February 25, 1993 groundwater monitoring report that the Port of Oakland has provided. This report details the results of groundwater samples from five monitoring wells at this site, calculates a number of three point gradients, gives the results of soil samples taken from the monitoring wells and also gives the results of soil borings performed by Tetra Tech prior to the removal of the underground tank at LF-19. In addition, the report serves to answer a number of questions I posed in my August 27, 1992 letter.

Our office has the following questions and concerns regarding this site:

1. It was noticed that jet fuel was not analyzed for in all monitoring wells. You should be aware that due to the presence of high boilers in soil sample borings from MW-1-4 and MW-2-4, you will be required to analyze all wells, with the exception of MW-1, for high boiling compounds via analysis for jet fuel or TPHd and TPHmo.
2. Due to the analytical results of soil and groundwater, it appears that additional wells and borings will be required to fully define the extent of contamination. Please provide a workplan for this additional subsurface investigation with your next monitoring well results. What are your plans to replace MW-2 after its abandonment?

Ms. Patricia Murphy  
7683 Earhart Rd.  
StID #4219  
March 29, 1993  
Page 2.

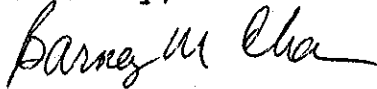
3. It appears that some results which were presented in this report where not listed in your Table 1 ie diesel results for MW-1. In addition, there was confusion in sample identification names noted. You stated that MW-1-2 and MW-1-3 were actually water samples from MW-1, but taken and labeled for a specific analysis. If this is the case, MW-1 was actually run for jet fuel and oil and grease yet was not reported in your Table 1. Please clarify this ambiguity.

4. Lastly, please provide copies of the boring logs for the installation of MW1-MW3.

I look forward to your next groundwater sampling report and your workplan and comments on the preceding items.

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

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

cc: G. Jensen, Alameda County District Attorney Office  
R. Hiett, RWQCB  
E. Howell, files

1-7683



ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



R0299

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

August 27, 1992  
STID 4219

Mr. Andrew Clark-Clough  
Port of Oakland  
530 Water St.  
Jack London's Waterfront  
P.O. Box 2064  
Oakland CA 94604-2064

Re: Work Plan for the Installation of Monitoring Wells at  
7683 Earhart Road, Oakland CA 94621

Dear Mr. Clark-Clough:

Our office has received and reviewed the underground tank closure report dated March, 1992 prepared by Uribe and Associates detailing the removal of Tanks LF-19 and LF-20 at the above address. The report also provides a work plan for the installation of two monitoring wells in the assumed downgradient location relative to the two excavation pits. The County has a number of comments and concerns regarding this work plan which I would like to detail:

1. Uribe and Associates refers to the Chevron Tank Farm approximately 2/3 mile south of the site and using the gradient at this location to infer the gradient at this site. This distance, nearly 3500 feet, is too far to use for gradient inference. Although the gradient may be as inferred, please research site(s) within a smaller radial distance from this site to confirm this gradient. One to two hundred feet is the typical acceptable distance.
2. Although your consultants ultimately will determine the appropriate well construction, it seems that a well screen interval of five feet, as proposed, is a bit short given the varying water level associated with the seasonal rainfall/drought conditions. Our office recommends screening five feet above and ten feet into the first encountered water bearing zone to allow for the seasonal groundwater fluctuation.
3. The work plan calls for the screening of boring samples at three-foot intervals using a HNU and that a minimum of one sample from the area directly above the first saturated zone will be analyzed by the laboratory. Please be advised that in accordance with the Tri-Regional Board Guidelines, you will be required to analyze a soil sample from each five foot interval by a certified laboratory.

Mr. A. Clark-Clough  
STID 4219  
7683 Earhart Rd.  
August 27, 1992  
Page 2

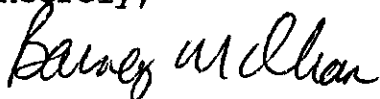
4. As stated in the report, the extent soil contamination in at least three directions near LF-19 has not and cannot be determined due to physical constraints of buildings and the roadway. Given the assumed groundwater gradient it would appear that one well near the former tank pit would not be adequate to characterize the potential groundwater impact of this area.

5. The area around the former tank pit of LF-20 has been defined to our satisfaction and the well downgradient to this location is acceptable.

6. Given the levels of soluble lead found in stockpiled soils from LF-19 you should analyze for soluble lead in the groundwater samples taken from the well(s) downgradient to this area. If an additional well is proposed in this area, it could serve to verify the assumed gradient which would relieve you of the need to obtain neighboring groundwater elevation data.

Please provide comment to the above items so we may proceed with the subsurface investigation. You may contact me at (510) 271-4350 should you have any questions or comments.

Sincerely,



Barney M. Chan  
Hazardous Materials Specialist

cc: M. Thomson, Alameda County District Attorney Office  
R. Hiett, RWQCB  
K. Koford, Uribe and Associates, 2930 Lakeshore Ave., Oakland  
94610  
E. Howell III, files

WP-7683Earhart