

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

August 15, 2003

Mr. James Lew
General Services Administration
S.F. Service Center (9PEC)
450 Golden Gate Avenue, 3rd Floor East
San Francisco, CA 94102-3400

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

Dear Mr. Lew:

Subject: Fuel Leak Site Case Closure – Alameda Federal Center, 620 Central Avenue, Alameda;
Case No. RO 0000048

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]) of the California Health and Safety Code. The State Water Resources Control Board (SWRCB) has required since March 1, 1997 that this agency use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at this site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Up to 6000 milligrams per kilogram (mg/kg) Total Petroleum Hydrocarbons (TPH) as Diesel, 6300 mg/kg Oil & Grease, and 0.0062 mg/kg Benzene, among low concentrations of other petroleum compounds, remain in soil at depths between 6.0 and 7.0' below grade.
- Up to 720 micrograms per liter (ug/l) TPH-D and 7.1 ug/l Methyl tert-Butyl Ether (MtBE), among trace concentrations of other petroleum and halogenated compounds, are present in groundwater.

If you have any questions, please contact Scott Seery at (510) 567-6783.

Sincerely,

Donna Drogos, P.E.
LOP Program Manager

Enclosures:

1. Case Closure Letter
2. Case Closure Summary

Mr. Lew
Re: 620 Central Ave., Alameda
August 15, 2003
Page 2 of 2

cc: Betty Graham (w/enc)
Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Ste. 1400
Oakland, CA 94612

Toru Okamoto (w/enc)
State Water Resources Control Board
Underground Storage Tank Cleanup Fund
P.O. Box 944212
Sacramento, CA 94244-2120

Greg Fuz (w/enc)
City of Alameda Planning Department
2263 Santa Clara Ave., Rm. 190
Alameda, CA 94501

S. Seery (w/orig enc), R. Garcia (w/enc)

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

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

August 15, 2003

Mr. James Lew
General Services Administration
S.F. Service Center (9PEC)
450 Golden Gate Ave., 3rd Floor East
San Francisco, CA 94102-3400

Dear Mr. Lew:

Subject: Fuel Leak Site case Closure – Alameda Federal Center, 620 Central Avenue, Alameda;
Case No. RO0000048

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tanks are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of the Health and Safety Code and with the corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director
Alameda County Environmental Health

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



07-02-02

June 28, 2002

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

RO 48

Mr. James Lew
General Services Administration
S.F. Service Center (9PEC)
450 Golden Gate Ave., 3rd Floor East
San Francisco, CA 94102-3400

RE: Alameda Federal Center, 620 Central Avenue, Alameda – Well Destruction

Dear Mr. Lew:

The Alameda County Environmental Health Department, Environmental Protection Division, has received concurrence from the Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), for final closure of the underground storage tank investigation at the referenced site.

Prior to the issuance of a "Remedial Action Completion Certificate" by this office, however, the monitoring wells at the site must be properly destroyed should they be of no further use. Well destruction is performed under permit issued by Alameda County Public Works Agency (ACPWA). Please contact James Yoo of ACPWA at (510) 670-6633 to secure your well destruction permit.

Please advise me if the well will be destroyed, and when destruction has been completed, as appropriate. I may be reached at (510) 567-6783.

Sincerely,



Scott O. Seery, CHMM
Hazardous Materials Specialist

cc: Chuck Headlee, RWQCB
James Yoo, ACPWA QIC 51503
Paul Sones, CAPE Env. Management, Inc.
3631 So. Harbor Blvd., Ste. 130, Santa Anna, CA 92704

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



SENT 8-23-2000

RO #48

August 22, 2000

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

Mr. James Lew
General Services Administration (GSA)
San Francisco Service Center (9PEC)
450 Golden Gate Avenue, 3rd Floor East
San Francisco, Ca 94102-3400
STID 4655

RE: Alameda Federal Center, 620 Central Avenue, Alameda, CA 94501

Dear Mr. Lew:

I am preparing the case closure summary for the above site. To assist me in completing this task, please forward the following information to me:

- 1) A copy of the final report for the sixteen (16) geotechnical borings completed by Trans Pacific Geotechnical Consultants
- 2) A copy of the Cal Inc. Underground Storage Tank closure report dated 3-18-97 for underground storage tanks #3 & #4.
- 3) Complete an Unauthorized Release Form and submit it to this office
- 4) Identify whether monitoring well MW-2 has been properly closed

Yesterday, I performed a site inspection with Mr. James Belcher with GSA, Alameda Federal Center. We went to an area near Building 4 where there are 9-55 gallon drums some with hazardous waste labels, and some with no labels. Mr. Belcher informed me that it is his understanding the contents in the drums are associated with the on-site monitoring wells. Please inform this office within ten days of the receipt of this letter if the drums and its contents are associated with the on-site monitoring wells.

If you have any questions, please contact me at (510) 567-6774.

Sincerely,

Larry Seto
Sr. Hazardous Materials Specialist

Cc: Bill Millar, Cape Environmental, 3631 So. Harbor Blvd, Suite 130,
Santa Ana, CA 92704
James Belcher, Alameda Federal Center, GSA, 620 Central Avenue, Building 2D,
Room 109, Alameda, CA 94501
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



SWT 1/10/01
3-2-01

202903 (6)
2048 (6)

March 1, 2000

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

Mr. James Lew
General Services Administration (GSA)
San Francisco Service Center (9PEC)
450 Golden Gate Avenue, 3rd Floor East
San Francisco, CA 94102-3400
STID 4655

INTENT TO MAKE A DETERMINATION THAT NO FURTHER ACTION IS
REQUIRED OR ISSUE A CLOSURE LETTER FOR ALAMEDA FEDERAL
CENTER, 620 CENTRAL AVENUE, ALMEDA, CA 94501

Dear Mr. Lew:

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.

If you have any questions about these proposed actions, please contact Larry Seto at (510) 567-6774.

Sincerely,


Thomas Peacock
Manager, LOP

cc: Chuck Headlee, RWQCB
Leroy Griffin, City of Oakland Fire Department, 1603 Martin Luther King,
Oakland, CA 94612
Larry Seto, Alameda County Environmental Health
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

RO48

ENVIRONMENTAL HEALTH SERVICES

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

July 6, 1999

Mr. James Lew
General Services Administration (GSA)
San Francisco Service Center (9PEC)
450 Golden Gate Avenue, 3rd Floor East
San Francisco, CA 94102-3400
STID 4655

RE: Alameda Federal Center, 620 Central Avenue, Alameda, CA

Dear Mr. Lew:

I have reviewed the laboratory results for MTBE analysis for groundwater samples collected from MW-1, AMW-1, AMW-2 and AMW-3 on February 22, 1999. The sample collected from MW-1 contained 7.1 ppb of MTBE. The samples collected from the other groundwater wells were found to contain concentrations of MTBE below the detection limit of the method used.

A groundwater sample from MW-2R must be collected and analyzed for the presence of MTBE before I can prepare a closure summary for the above site.

If you have any questions, please contact me at (510) 567-6774.

Sincerely,



Larry Seto
Sr. Hazardous Materials Specialist

Cc: Bill Millar, Cape Environmental, 3631 So. Harbor Blvd., Suite 130,
Santa Ana, CA 92704
City of Alameda-Fire Department, 1300 Park Street, Alameda, CA 94601
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RO#48

April 23, 1999

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

Mr. James Lew
General Services Administration (GSA)
San Francisco Service Center (9PEC)
450 Golden Gate Avenue, 3rd Floor East
San Francisco, CA 94102-3400
STID 4655

RE: Alameda Federal Center, 620 Central Avenue, Alameda, CA

Dear Mr. Lew:

I have reviewed the Groundwater Monitoring Report – February 22, 1999 Event and Summary dated April 1999 that was prepared by Cape Environmental. A request was made to close the site without further action. Before the Regional Board and this office can consider site closure, the groundwater at the site must be tested for the presence of MTBE. At a minimum, a groundwater sample from monitoring well AMW-3 should be analyzed for MTBE. In addition, if Tank 1 or Tank 2 stored gasoline, a groundwater sample from a monitoring well in that area must be collected and analyzed for MTBE.

If you have any questions, please contact me at (510) 567-6774.

Sincerely,


Larry Seto
Sr. Hazardous Materials Specialist

Cc: Bill Millar, Cape Environmental, 3631 So. Harbor Blvd., Suite 130,
Santa Ana, CA 92704
City of Alameda, Fire Department, 1300 Park Street, Alameda, CA 94601
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RO#48

July 2, 1998

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6700
(510) 337-9432

Mr. James Lew
General Services Administration (GSA)
San Francisco Service Center (9PEC)
450 Golden Gate Ave., 3rd Floor East
San Francisco, CA 94102-3400
STID 4655

RE: Alameda Federal Center, 620 Central Avenue, Alameda, CA

Dear Mr. Lew:

I have reviewed the Continued Soil and Groundwater Investigation Report dated May 1998 that was prepared by Cape Environmental Management Inc. This office concurs with your consultant that analysis of groundwater samples for Polynuclear Aromatic Hydrocarbons (PAH) maybe discontinued.

Continue to monitor groundwater wells MW-1, AMW-1, AMW-2, and AMW-3 for a **minimum of three consecutive quarters**. Analyze the groundwater samples for oil and grease, diesel, gasoline, BTEX compounds and volatile organic halocarbons.

Continue to collect well sounding data and prepare groundwater contour and gradient estimates for the site in future quarter of monitoring to evaluate gradient directions and fluctuations in gradient over time under different seasonal and tidal conditions.

If you have any questions, please contact me at (510) 567-6774.

Sincerely,



Larry Seto
Sr. Hazardous Materials Specialist

Cc: Bill Millar, Cape Environmental, 3631 South Harbor Blvd., Suite 130, Santa Ana,
CA 92704

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

RO#48

January 8, 1998

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

Mr. James Lew
General Services Administration (GSA)
San Francisco Service Center (9PEC)
450 Golden Gate Ave., 3rd Floor East
San Francisco, CA 94102-3400
STID 4655

RE: Alameda Federal Center, 620 Central Avenue, Alameda, CA

Dear Mr. Lew:

I have reviewed your Soil and Groundwater Investigation Work Plan dated December 1997 that was prepared by Cape Environmental. It is acceptable. Please inform this office when work will commence.

If you have any questions, please contact me at (510) 567-6774.

Sincerely,

Larry Seto
Sr. Hazardous Materials Specialist

Cc: Bill Millar, Cape Environmental

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RO# 48

April 28, 1997

ENVIRONMENTAL HEALTH SERVICES

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

Mr. James Lew
General Services Administration (GSA)
San Francisco Service Center (9PEC)
450 Golden Gate Ave., 3rd Flr. East
San Francisco, CA 94102-3400

STID 4655

Re: Investigations in the vicinity of former Tanks #3 and #4 at the Alameda Federal Center,
located at 620 Central Avenue, Alameda, California

Dear Mr. Lew,

This office has reviewed CAL Inc.'s UST Removal Project Report, dated March 18, 1997. Elevated levels of Total Petroleum Hydrocarbons as diesel (TPHd) and Oil & Grease (O&G) were identified in both the soil and groundwater samples collected from the site. As stated by CAL Inc., the bulk of the soil contamination appears to be limited to a horizon which extends from 6- to 8-feet below ground surface (bgs), which is roughly the depth-to-water at the site. Therefore, this horizon appears to be a "smear zone" which resulted from the fluctuating water table at the site. Sample analytical results for the remaining constituents of concern were below the human health protective values provided in the American Society for Testing and Materials' Risk-Based Corrective Action guidelines (E1739-95), and the Preliminary Remedial Goals established by Region IX of the United States Environmental Protection Agency.

Based on the elevated concentrations of TPHd and O&G observed at the site, this office is requesting that additional investigations be conducted to better characterize the extent and severity of this contamination in soil and groundwater. A work plan addressing these additional investigations is required to be submitted to this office within 45 days of the date of this letter, or by June 9, 1997.

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

Sincerely,

Juliet Shin

Senior Hazardous Materials Specialist

Mr. James Lew
Re: 620 Central Ave.
April 28, 1997
Page 2 of 2

cc: Robert Barry
CAL Inc.
P.O. Box 6327
Vacaville, CA 95696-6327

Larry M. Harlan
CAPE Environmental Mgmt., Inc.
20280 South Vermont Avenue, Ste 250
Torrance, CA 90502

Chief, ACDEH

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



✓ RO# 48 (LOP)
RO# 2903 (SLIC)

October 8, 1996

Mr. James Lew
General Services Administration (GSA)
San Francisco Service Center (9PEC)
450 Golden Gate Ave., 3rd Flr. East
San Francisco, CA 94102-3400

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

STID 4655

Re: Removal of Tanks #3 and #4 at the Alameda Federal Center, located at 620 Central Avenue, Alameda, California

Dear Mr. Lew,

This office has reviewed over CAL, Inc.'s (CAL) draft workplan, dated September 1996, addressing the removal of Tanks #3 and #4 at the above site. The work plan is acceptable to this office with the following additional comments/requests:

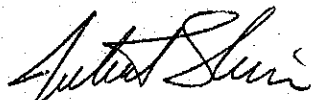
- o A minimum of one monitoring well may be required in the vicinity of Tanks #3 and #4 if any residual soil or groundwater contamination is identified and left in place in the excavation pits. A permanent monitoring well will most likely need to be installed based on the floating product previously observed in Well MW-3, which is currently located immediately adjacent to Tanks #3 and #4; and based on the elevated levels of Polynuclear Aromatic Hydrocarbons (PNAs), Oil & Grease, and Total Extractable Petroleum Hydrocarbons (TEPH) identified in soil samples collected from boring TB3, also located in proximity to these tanks.
- o Table 2, on page 29, should list BTEX and Oil & Grease under the proposed analyses.
- o A Tank Removal Report should be submitted within 45 days after completing tank removal activities.
- o Copies of discharge permits from the East Bay Municipal Utilities District should be submitted to this office prior to beginning field work.
- o Please be reminded to conduct laboratory analysis on samples collected from the excavated stockpiled soil in order to determine whether this soil may be used as backfill.

Mr. James Lew
Re: 620 Central Ave.
October 8, 1996
Page 2 of 2

- o On Page 8 of the draft workplan, Title 23 California Code of Regulations should also be listed under Section 3.2. Under Section 3.3, the "Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Storage Tank Sites" should also be listed.

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

Sincerely,



Juliet Shin
Senior Hazardous Materials Specialist

cc: G. Robert Barry
CAL, Inc.
P.O. Box 6327
Vacaville, CA 95696-6327

Acting Chief

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

2048

Alameda County CC4580
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

August 12, 1996

Mr. James Lew
General Services Administration
S.F. Service Center/
Construction Services Branch (9PEC)
525 Market Street, 31st Flr.
San Francisco, CA 94105

STID 4655

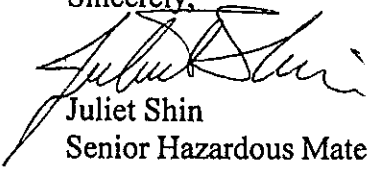
Re: Investigations at Alameda Federal Center, located at 620 Central Ave., Alameda, CA

Dear Mr. Lew,

This office has reviewed CAPE Environmental Management Inc.'s (CAPE) Groundwater Monitoring Report, dated July 1996, for the above site. Per the recommendations of CAPE, monitoring of all the wells, except for MW-1, may discontinue at the site due to the Non Detect levels observed in these wells. Quarterly groundwater monitoring of MW-1 should continue based on the increasing concentrations of the chlorinated hydrocarbons cis- and trans-1,2-dichloroethene. Please keep in mind that groundwater monitoring may eventually be required in the area of Tanks 3 and 4 subsequent to the tank removals. Per our conversation on July 18, 1996, you will be awarding the contract for the proposed removal of Tanks 3 and 4 at the end of September 1996. The tank removals should be conducted within 45 days after awarding the contract. Please notify this office if there is a change in the schedule.

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

Sincerely,


Juliet Shin
Senior Hazardous Materials Specialist

cc: Norma J. Hermocillo, General Services Administration, Region 9
525 Market St., S.F., CA 94105-2799

Larry M. Harlan, CAPE Environmental Mgmt., Inc.
20280 South Vermont Avenue, Ste 250, Torrance, CA 90502

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RO# 48

Alameda County CC4580
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

May 9, 1996

Mr. James Lew
General Services Administration
S.F. Service Center/
Construction Services Branch (9PEC)
525 Market Street, 31st Flr.
San Francisco, CA 94105

STID 4655

Re: Investigations at Alameda Federal Center, located at 620 Central Ave., Alameda, CA

Dear Mr. Lew,

This office has reviewed CAPE Environmental Management Inc.'s (CAPE) Third and Fourth Quarter 1995 monitoring reports. Based on the groundwater analysis results, sampling of Wells MW-2R and MW-4 may be discontinued. However, one additional round of quarterly groundwater monitoring should be conducted on Wells MW-1, MW-5, and MW-6 in June 1996. Due to the nondescript nature of the Total Extractable Petroleum Hydrocarbons (TEPH) identified in these wells, this office is requesting that you employ a silica gel cleanup on the next round of samples to eliminate any interference from biogenic materials. Proper characterization of this unidentified hydrocarbon material is essential.

Based on the results of the next round of sampling, it will be determined whether continued monitoring of these wells will be required.

Lastly, per a December 20, 1995 letter from your office, the removal of Tanks 3 and 4 at the site were planned for after March 1996. Please contact this office as soon as possible to update us on the status of the anticipated tank removals and work schedule.

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

Sincerely,


Juliet Shin

Senior Hazardous Materials Specialist

CC: Norma J. Hermocillo, General Services Administration, Region 9, 525 Market Street, San Francisco, CA 94105-2799
Larry M. Harlan, CAPE Environmental Mgmt., Inc., 20280 South Vermont Avenue, Suite 250, Torrance, CA 90502
Acting Chief-file

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

✓ R048 (LOP)
R02903 (SLIC)
RAFAT A. SHAHID, DIRECTOR

November 2, 1995

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

Mr. James Lew
General Services Administration
S.F. Service Center/
Construction Services Branch (9PEC)
525 Market Street, 31st Flr.
San Francisco, CA 94105

STID 4655

Re: Groundwater monitoring at the Alameda Federal Center,
located at 620 Central Ave., Alameda, California

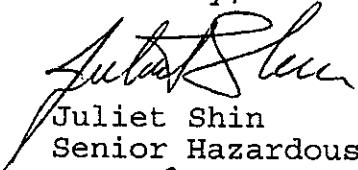
Dear Mr. Lew,

This office has reviewed over CAPE Environmental Mgmt. Inc.'s (CAPE) Addenda to Second Quarter Groundwater Monitoring Report, dated October 1995, for the above site. Per the recommendations outlined in this report, it is acceptable to this office to discontinue analysis for Total Petroleum Hydrocarbons as gasoline (TPHg) in Wells MW-1, MW-2R, MW-4, TW/MW-5, and MW-6 in future sampling events. Additionally, analysis for benzene, toluene, ethylbenzene, and xylenes (BTEX) may be discontinued in future monitoring events for Wells MW-2R, MW-4, TW-MW-5, and MW-6. However, if the gradient flow direction varies from the existing southerly direction in future monitoring events, analysis for BTEX may need to resume in some of these wells.

Please be reminded that none of the above requirements necessarily apply to future investigations associated with Tanks 3 and 4.

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

Sincerely,


Juliet Shin
Senior Hazardous Materials Specialist

cc: ^{RR} Larry Harlan
CAPE Environmental Mgmt.
20280 South Vermont Ave.
Suite 250
Torrance, CA 90502

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



✓ R048 (LOP)

R02903 (SLIC)

RAFAT A. SHAHID, Director

CC4586

August 8, 1995

Mr. Richard Chu
GSA
525 Market St., 31st Floor
San Francisco, CA 94105

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

STID 4655

Re: Investigations at Alameda Federal Center (GSA), located at
620 Central Ave., Alameda, California

Dear Mr. Chu,

This office has reviewed Cape Environmental Management's (Cape) Preliminary Site Assessment (PSA), dated July 1995, for the above site. Soil samples collected from the newly installed monitoring wells and borings identified Oil and Grease, Total Extractable Petroleum Hydrocarbons (TEPH), and Polynuclear Aromatics (PNAs) in the vicinity of both former Tanks 1 and 2, and existing Tanks 3 and 4. Additionally, low levels of benzene, ethylbenzene, xylenes, and chlorinated hydrocarbons were identified in Well MW-1, located adjacent to former Tank 1.

Quarterly groundwater monitoring shall continue at the site. All wells shall continue to be analyzed for the same constituents as in the last sampling event. The next quarterly sampling event is due to be implemented in August 1995.

Per the PSA report, Cape proposes to discontinue sampling of Wells MW2-R, MW-4, and TW/MW-5, if the next quarter's contaminant concentrations are commensurate to this last sampling event. Although this will be acceptable for Well MW-4, sampling of Wells MW2-R and TW/MW-5 should continue beyond the next quarterly sampling event. Since Well MW2-R is located nearest to former Tank 2, this well should be sampled for at least three additional quarters. If contaminant levels continue to be low to Non Detect in Well MW2-R throughout the four quarters of monitoring, sampling of this well may be discontinued.

Sampling should also continue for Well TW/MW-5, due to the levels of PNAs identified from this well (benzo(a)pyrene concentrations exceeded MCLs). The sampling results obtained in the last sampling event for this well may be incorrect due to inadequate well development. Please be reminded to adequately develop this well at least 24 hours prior to the next sampling event. If unacceptable contaminant concentrations continue to be identified from this well, further investigations may be needed to determine the source of these contaminants.

Mr. Richard Chu
Re: 620 Central
August 8, 1995
Page 2 of 2

As part of the next quarterly sampling event, this office is requesting that a TDS analysis be conducted on some of the water samples to determine whether this water is potentially potable. Cleanup levels for the site will depend partly on the useability of this water.

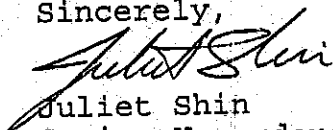
It is the understanding of this office that GSA is currently preparing for the removal of Tanks 3 and 4. Please be reminded to complete the attached Alameda County Underground Storage Tank Removal Plan and have it approved by both this office and the Alameda Fire Department prior to removing tanks. Please provide at least 48 hours notice to this office prior to the tank removals so that we can arrange to have a County representative oversee the work.

A summary work plan documenting any additional work, such as dewatering and discharge of water, overexcavation, etc. shall be submitted in conjunction with the Underground Storage Tank Removal Plan.

According to our files, GSA never submitted the required Unauthorized Release/Leak Report form following the last tank removals. This is a standard form that needs to be completed whenever a release has been documented from a petroleum underground storage tank. Please complete the attached form and submit it to this office within 30 days of the date of this letter.

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

Sincerely,



Juliet Shin
Senior Hazardous Materials Specialist

ATTACHMENT

cc: Ms. Beverly Chin
GSA
525 Market St., 31st Flr
San Francisco, CA 94105

Larry Harlan
Cape Environmental Mgmt. Inc.
20280 South Vermont Ave., Ste 250
Torrance, CA 90502

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R02903

v R048

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

May 2, 1995
STID 4655

Ms. Beverly Chin
GSA
525 Market St., 31st Floor
San Francisco, CA 94105

RE: Addendum for the investigation at the Alameda Federal
Center (GSA), located at 620 Central Ave., Alameda, CA

Dear Ms. Chin:

This office has received and reviewed an Addendum as above, dated
April 28, 1995 for the above site. This office accepts the
addendum, with the following comments:

1. The comments in the letter from this office by Juliet Shin
dated April 14, 1995 have been dealt with and are adequate.
2. Please notify this office at least three days prior to
implementation of the workplan.

If you have any questions, please contact this office at (510)
567-6763. Although she is gone this week, Ms. Shin is the
caseworker for your site.

Sincerely,

Thomas Peacock, Supervising HMS
Division of Environmental Protection

cc: Bill Reynolds, Acting Chief - files
Larry Harlan, Cape Environmental Mgmt., Inc. 20280 South
Vermont Ave., Ste. 250, Torrance, CA 90502
Juliet Shin

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, Assistant Agency Director

R02903 (suc)

✓ R048 (w/p)

April 14, 1995

Ms. Beverly Chin
GSA
525 Market St., 31st Floor
San Francisco, CA 94105

ALAMEDA COUNTY-ENV. HEALTH DEPT.
ENVIRONMENTAL PROTECTION DIV.
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577
(510)567-6700

STID 4655

Re: Work plan for investigations at the Alameda Federal Center
(GSA), located at 620 Central Ave., Alameda, California

Dear Ms. Chin,

This office has reviewed Cape Environmental Management's (Cape) work plan, dated April 4, 1995, addressing further investigations at the above site. The following are a list of the County's comments/additional requirements regarding the work plan:

- o Per T & T Earth Services' Preliminary Investigation Report, dated May 1994, free product was identified in Well MW-3, located adjacent to the two existing underground storage tanks (USTs) (Tanks 3 & 4). Per Article 11, Title 23 California Code of Regulations, the work plan needs to address interim remedial measures to remove the free product. Based on the amount of free product present in this location, you may be able to implement a passive product skimmer or pump the product out from the tank pits into baker tanks following the removal of Tanks 3 & 4. As you are probably aware, the removed product must be disposed of or recycled properly at a certified facility.
- o Although the work plan proposes to install borings around Tanks 3 & 4 prior to the tank removals, it appears that it would be more practical to remove the tanks first, conduct a preliminary assessment of the extent and severity of soil contamination from within the open tank pit, and then implement the appropriate number of borings to delineate the extent of any contamination observed in this pit. As proposed in the work plan, a minimum of three permanent monitoring wells will be needed in the area to determine the ground water gradient flow direction. Well MW-3 may be used in conjunction with any new wells to conduct these gradient determinations. Additionally, based on the fact that elevated levels of Total Petroleum Hydrocarbons as diesel (TPHd) and Oil & Grease were identified in a soil sample collected from MW-3, further soil delineation should be addressed south of this boring.

Ms. Beverly Chin
Re: 620 Central Ave.
April 14, 1995
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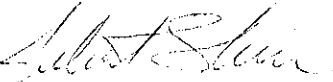
- o The work plan states that samples collected from around Tanks 3 & 4 shall be analyzed for TPHd, Total Oil & Grease (TOG), and benzene, toluene, ethylbenzene, and xylenes (BTEX). These samples shall also be analyzed for Polynuclear Aromatic Hydrocarbons (PNAs) based on the concentrations of pyrene and fluoranthene identified in a soil sample collected from MW-3. Per my conversation with Larry Harlan, Cape Environmental, and Richard Chiu, GSA, on April 14, 1995, it will be acceptable to employ Method 8100 for the PNA analysis.
- o Cape has proposed to install five soil borings at Tank Sites 1 & 2. It appears that all five soil borings may not be required at this site. Two borings, in conjunction with existing Well MW-1, are proposed to be used for gradient determinations. Following gradient determinations, two additional wells have been proposed in the area to continue quarterly ground water monitoring and gradient determinations. Please be reminded that the Regional Water Quality Control Board's guidelines request that one well be placed within 10 feet downgradient of each former UST. It does not appear that a fifth boring would be necessary at this time.
- o Although Cape states that the monitoring wells will be screened 3 feet above the water table, with 1 to 2 feet of filter pack sand above the screened section, the water table at the site may be too shallow to employ this well construction. Past depth-to-water readings were recorded at 5-feet below ground surface (bgs). After the heavy rains this year, the water table is anticipated to be even shallower. Details on how the well constructions will account for a potentially shallower water table need to be submitted. Please be reminded that the Regional Water Quality Control Board standardly requires monitoring wells to be screened at or above the historical shallow water table and 10 feet below the water table.
- o This office has no information on whether Well MW-2 was properly destroyed under permit. Please submit all details on the destruction of Well MW-2.
- o Monthly water level measurements and corresponding ground water gradient determinations shall be conducted for the first three months and then quarterly thereafter. However, if significant gradient variations are observed in the first three months, monthly water level measurements shall continue for nine consecutive additional months.

Ms. Beverly Chin
Re: 620 Central Ave.
April 14, 1995
Page 3 of 3

- o Please be reminded that the three initial monitoring wells at either of the tank sites must be located at least 20 feet apart and form a sufficient triangle for adequate gradient flow determinations.
- o Please be reminded to collect soil samples from the soil/water interface, in addition to five-foot intervals and changes in lithology.

You are required to submit an addendum to the work plan addressing the above concerns **within 20 days** of the date of this letter. If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,



Juliet Shin
Senior Hazardous Materials Specialist

cc: Larry Harlan
Cape Environmental Mgmt., Inc.
20280 South Vermont Ave., Ste 250
Torrance, CA 90502

Acting Division Chief, ACDEH (File)

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R02903 (SUC)

V R048 (LOP)

RAFAT A. SHAHID, Assistant Agency Director

December 6, 1994

Beverly Chin
GSA
525 Market St., 31st Floor
San Francisco, CA 94105

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

STID 4655

Re: Required investigations at the Alameda Federal Center
(GSA), located at 620 Central Ave., Alameda, California

Dear Ms. Chin,

Two underground storage tanks (USTs), one 1,000-gallon gas/diesel (Tank 1) and one 5,000-gallon gasoline (Tank 2), were removed from the above site on January 27, 1994. There are two remaining 10,000-gallon diesel USTs (Tanks 3 and 4) currently at the site.

Prior to the removal of Tanks 1 and 2, borings were placed around all of the tanks, including Tanks 3 and 4, to determine the extent of soil and ground water contamination resulting from the operation of these tanks. Borings 1 and 2 were placed adjacent to Tank 1, borings 3, 4, and 5 were placed adjacent to Tank 2, and boring 6 was placed adjacent to Tanks 3 and 4. Soil samples collected from near Tank 1 identified up to 12 parts per million (ppm) Total Petroleum Hydrocarbons as diesel (TPHd), 100 ppm Oil & Grease, and traces of heavy metals. Soil samples collected from near Tank 2 identified 57 (ppm) TPHd, 120 ppm Oil & Grease, and 7 ppm Trichloroethene (TCE). Soil samples collected from near Tank 2 only identified low levels of semi-volatiles, such as 12 ppm flouranthene and 26 ppm pyrene. Soil samples collected from near Tanks 3 and 4 identified elevated levels of TPHd at 5,100 ppm, and Oil & Grease at 19,000 ppm.

Soil samples collected from the tank pits of Tanks 1 and 2 during the tank removals identified only low levels of motor oil. Boring 1 was converted into Monitoring Well (MW) 1, boring 5 was converted into MW-2, and boring 6 was converted into MW-3. Ground water samples were collected from wells MW-1 and MW-3 on January 28, 1994. MW-2 was apparently destroyed before it could be sampled. Analysis of the ground water sample collected from MW-1 identified up to 0.6 parts per billion (ppb) benzene, 1.5 ppb 1,2-dichloroethene (DCE), 1 ppb tetrachloroethylene (PCE), and 3 ppb TCE. Free product was identified in Well MW-3.

Guidelines established by the California Regional Water Quality Control Board (RWQCB) require that soil and ground water investigations be conducted when there is evidence to indicate that a release from an UST will impact or may have impacted the ground water.

Ms. Beverly Chin
Re: 620 Central Ave.
December 6, 1994
Page 2 of 5

Per GSA's December 1, 1994 letter, and my conversation with Richard Chiu on December 6, 1994, it is the understanding of this office that GSA intends on removing the two remaining diesel tanks (Tanks 3 and 4) in conjunction with construction work scheduled to begin in July 1995. However, the schedule given in the December 1, 1994 letter does not specifically address any additional investigations associated with the soil and ground water contamination identified in January 1994. You are required to take steps to investigate the area around Tanks 1 and 2, which appear to be located outside of the proposed construction areas, in the interim (i.e., before July 1995).

Although GSA submitted a work plan, prepared by T & T Earch Services, in May 1994, GSA no longer intends on using this work plan, according to my conversation with Richard Chiu, GSA, on December 6, 1994.

As part of the required investigations at the site, you are required to prepare a Preliminary Site Assessment (PSA) work plan which addresses the delineation of the lateral and vertical extent and severity of the observed soil and ground water contamination at the site. The information gathered by the referenced PSA will be used to determine an appropriate course of action to remediate the site, if deemed necessary. The PSA must be conducted in accordance with the RWQCB's Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks, and be consistent with requirements set forth in Article 11 of Title 23 California Code of Regulations. The major elements of such an investigation are summarized in the attached **Appendix A**. The major elements of the guidelines include, but are not limited to, the following:

- o At least one permanent ground water monitoring well must be installed within 10 feet of the former tanks, in the downgradient direction relative to ground water. It is still uncertain whether Wells MW-1 and MW-3 are in fact located in the downgradient direction from former Tank 1 and existing Tanks 3 and 4. In the absence of neighboring monitoring wells located within 100 feet of the site, or any other data identifying the confirmed downgradient direction, a minimum of three wells will be required to verify gradient direction. During the installation of these wells, soil samples are to be collected at five-foot depth intervals and any significant changes in lithology.

Ms. Beverly Chin
Re: 620 Central Ave.
December 6, 1994
Page 3 of 5

- o Subsequent to the installation of the monitoring wells, these wells must be surveyed to an established benchmark, (i.e., Mean Sea Level) with an accuracy of 0.01 foot. Ground water samples are to be collected and analyzed quarterly, and water level measurements are to be collected monthly for the first 12 months, and then quarterly thereafter. Samples associated with Tank 1 and Tank 2 shall be analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), TPHd, Oil & Grease, and chlorinated hydrocarbons. Samples associated with Tanks 3 and 4 shall be analyzed for TPHd, BTEX, and Oil & Grease.

This Department will oversee the assessment and remediation of your site. Our oversight will include the review of and comment on work proposals and technical guidance on appropriate investigative approaches and monitoring schedules. The issuance of well drilling permits, however, will be through the Alameda County Flood Control and Water Conservation District, Zone 7, in Pleasanton. The RWQCB may choose to take over as lead agency if it is determined, following the completion of the initial assessment, that there has been a substantial impact to ground water.

In order to properly conduct a site investigation, you are required to obtain the professional services of a reputable environmental consultant. All reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer.

The PSA work plan is due **within 60 days** of the date of this letter. Following completion of the well installations, subsequent ground water monitoring reports are to be submitted quarterly until this site qualifies for case closure by RWQCB. Such quarterly reports are due the first day of the second month of each subsequent quarter.

The referenced initial and quarterly reports must describe the status of the investigation and must include, among others, the following elements:

- o Details and results of all work performed during the designated period of time: records of field observations and data, boring and well construction logs, water level data, chain-of-custody forms, laboratory results for all samples collected and analyzed, tabulations of free product thicknesses and dissolved fractions, etc.

Ms. Beverly Chin
Re: 620 Central Ave.
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- o Status of ground water contamination characterization.
- o Interpretations of results: water level contour maps showing gradients, free and dissolved product plume definition maps for each target component, geologic cross sections, etc.
- o Recommendations or plans for additional investigative work or remediation.

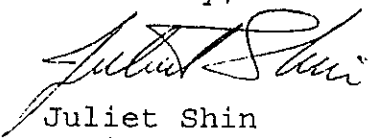
Please be advised that this is a formal request for a work plan pursuant to Section 2722 (c) (d) of Title 23 California Code of Regulations. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or RWQCB.

Additionally, the required work plan shall also address interim measures to remove, contain, and/or further characterize the floating product observed in Well MW-3.

Lastly, please include a more detailed and revised timetable for scheduled work in the PSA work plan.

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

Sincerely,



Juliet Shin
Senior Hazardous Materials Specialist

ATTACHMENT

cc: Richard Chiu Jr.
General Services Administration, Region 9
525 Market Street
San Francisco, CA 94105-2799

Ms. Beverly Chin
Re: 620 Central Ave.
December 6, 1994
Page 5 of 5

Ando Merendi
General Services Administration, Region 9
(Safety & Environment Branch)
9 PMS
525 Market St.
San Francisco, CA 94105

George Pendergrass
Brown & Caldwell
P.O. Box 13449
Sacramento, CA 95813-3449

Edgar Howell

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RO 2903 (SUC)

✓RO48 (LOP)

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

May 23, 1994

Beverly Chin
GSA
525 Market St., 31st Floor
San Francisco, CA 94105

STID 4655

Re: Work plan for investigations at the Alameda Federal Center,
located at 620 Central Ave., Alameda, California

Dear Ms. Chin,

This office has reviewed TKS's addendum to their May 1994 work plan, proposing additional soil and ground water investigations at the above site (refer to attached copy). The addendum was prepared in response to the County's comments on the work plan, dated May 11, 1994 (refer to attached copy). The addendum did not address some issues outlined in the County's letter, however, all requirements outlined in the County's letter still apply.

The following are some responses to TKS's addendum:

- o Although the work plan states that the observed floating product in Well MW-3 "tends not to move much" and proposes no product removal, Article 11 Title 23 California Code of Regulations states that floating product removal is required. If the removal of this product is not addressed in the near future, there is no guarantee that this product won't migrate further out. Since the law requires that the floating product eventually be removed, it appears prudent to address its removal sooner, rather than later, before the product plume expands and you have a greater problem to address. If it is too difficult to include floating product removal in this phase of investigations, you will be required to address it in conjunction with the quarterly monitoring work.
- o Soil and ground water samples collected from Tank Sites #3 and #4 shall also be analyzed for 8270 constituents since a soil sample collected from Boring 6 (Well MW-3) identified 8270 constituents.

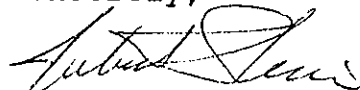
Beverly Chin
Re: 620 Central Ave.
May 23, 1994
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- o Although the addendum states that Methods 418.1 and 5520 (E & F) are the same analysis, they are actually slightly different. Method 418.1 is only an established method for ground water analysis. Method 5520 E & F can be applied to both soil and ground water analysis. Method 5520 E & F uses extraction and gravimetric analysis. However, Method 418.1 uses Infrared. One concern this office has with 418.1 is that the "standard" used in this analysis may not utilize the same type of carbon chain (saturated vs unsaturated) as the contaminant of concern, and therefore not detect all the contaminants of concern. However, if done gravimetrically, both saturated and unsaturated hydrocarbons would be detected.
- o Please be reminded that permits are required for discharge of liquids to both the sanitary sewer and storm drain. If you plan to discharge to either of these outlets, it is recommended that you begin the permit application process as soon as possible.

Field work shall commence within 60 days of 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) 271-4530.

Sincerely,



Juliet Shin
Hazardous Materials Specialist

Attachment

cc: Ando Merendi
GSA
(Safety & Environment Branch)
9 PMS
525 Market St.
San Francisco, CA 94105

R02903(SLIC)
R048(CLOP)

Beverly Chin
Re: 620 Central Ave.
May 23, 1994
Page 3 of 3

Carolyn Cooley
General Services Administration, Region 9
East Bay Field Office
1301 Clay Street, Room 280N
Oakland, CA 94612

George Pendergrass
Brown & Caldwell
P.O. Box 13449
Sacramento, CA 95813-3449

Tim Smith
TKS
P.O. Box 1619
Sutter Creek, CA 95685

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



✓ R048 (LOP)
R02903 (SLIC)

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

May 11, 1994

Beverly Chin
GSA
525 Market St., 31st Floor
San Francisco, CA 94105

STID 4655

Re: Investigations at the Alameda Federal Center, located at 620
Central Ave., Alameda, California

Dear Ms. Chin,

This office has received and reviewed T & T Earth Services' (T & T) report, dated May 1994, documenting the tank removal and sampling work conducted to date at the above site, and proposing the installation of additional borings and wells and biotreatment for Tanks #3 and #4. The majority of this work plan is acceptable to this office, however, you will need to submit an addendum to the work plan addressing the following changes:

- o It is the understanding of this office that 15 to 30 borings will be placed in and around Tank Sites #3 and #4, and 8 to 15 soil borings around Tank Site #1 to delineate the extent of soil contamination. A site plan showing the locations of these soil borings is required to be submitted to this office. Both soil and ground water samples collected from the borings near Tank Site #1 shall be analyzed for TPHg, TPHd, BTEX, Chlorinated hydrocarbons (using Method 8010), and Oil & Grease (using Method 5520, and not the proposed 413.2 or 418.1). Soil samples shall be collected at 5-foot intervals, down to approximately 14- or 15-feet below ground surface, since soil contamination was observed at that depth in some of the previous soil borings. A minimum of one soil sample from each of the borings shall be analyzed by a certified laboratory.
- o According to T & T's report, product was observed in Well MW-3. Your work plan should address the removal of this floating product, as an interim remediation measure, per Article 11, Title 23 California Code of Regulations.
- o Ground water samples are required to be collected from around Tank Site #2, and be analyzed for Method 8270 constituents, since 12 ppm flouranthene and 26 ppm

Beverly Chin
Re: 620 Central Ave.
May 11, 1994
Page 2 of 3

pyrene were identified in the soil sample collected from the previous boring in this area. Soil and ground water samples collected from around Tank Sites #3 and #4 shall be analyzed for TPHd, BTEX, 8270 constituents, and Oil & Grease (using Method 5520).

- o Samples collected from Tank #3 and #4 during the biotreatment, shall be analyzed for TPHd, BTEX, and Oil & Grease (using Method 5520). **Method 418.1 is not acceptable.**
- o Please provide a more thorough explanation as to where you plan to dispose of the liquid pumped out of Tanks #3 and #4, after you place them in the baker tanks.
- o The work plan states that soil samples cannot be collected underneath Tanks #3 and #4 due to a concrete ballast pad. However, you will be required to collect one soil sample from beneath each of these concrete ballast pads, since concrete is not known to be impermeable to contaminant migration, and you will be required to collect one soil sample from alongside both tanks from a depth equivalent to the bottom of the tanks. These samples shall be analyzed for TPHd, BTEX, 8270 constituents, and Oil & Grease (using Method 5520).

You are required to submit an addendum to the work plan addressing the above revisions **within 30 days** of the date of this letter. Field work shall commence within 60 days after approval of the amended work plan. 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) 271-4530.

Sincerely,



Juliet Shin
Hazardous Materials Specialist

Beverly Chin
Re: 620 Central Ave.
May 11, 1994
Page 3 of 3

cc: Carolyn Cooley
General Services Administration, Region 9
East Bay Field Office
1301 Clay Street, Room 280N
Oakland, CA 94612

George Pendergrass
Brown and Caldwell
9616 Micron Avenue
P.O. Box 13449
Sacramento, CA 95813-3449

Tim Smith
T & T Earth Services
P.O. Box 1618
Sutter Creek, CA 95685

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RO 2903 (suc)

✓ R048 (wP)

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

December 15, 1993

Beverly Chin
GSA Design & Construction Division
525 Market St., 31st Floor
San Francisco, CA 94105

STID 4655

RE: Tank Closure Plans for 620 Central Avenue, Alameda, CA

Dear Ms. Chin,

This office has reviewed the tank closure plans for tank removals at the above site. The following is a list of required changes/additions/reminders to the closure plans, that must be addressed in an addendum:

- o Samples collected from and around the waste oil tank pit must be analyzed for all the waste oil constituents listed in Table 2 of the Regional Water Quality Control Board's (RWQCB) Staff Recommendations for the Preliminary Evaluation and Investigation of Underground Storage Tanks. These constituents are: TPHg, TPHd, TOG, BTEX, Chlorinated Hydrocarbons (using Method 8010 or 8240), Heavy metals (Cd, Cr, Pb, Zn, Ni), and PCB, PCP, PNA, and creosote (using Method 8270).
- o You are required to submit copies of Hunt Drilling Company's Certificate of Workman's Comp, their Hazardous Substances Removal and Remedial Actions Certification, their State Contractors State License Board Certification, and their Health & Safety Training Certification.
- o Copies of approved drilling permits from Zone 7 need to be submitted.
- o The closure plan states that there is a possibility that ground water may be pumped and discharged into the storm sewer system in order to depress the water table. However, it is the understanding of this office that ground water cannot be discharged into the storm sewer system, even if sample analysis is Non Detect, unless RWQCB grants an exemption through a permitting process.

Ms. Beverly Chin
Re: 620 Central Ave.
December 16, 1993
Page 2 of 3

It is advisable to contact RWQCB for additional information before proposing this option. This office is requesting that you include in your addendum a more detailed description of **acceptable** procedures for ground water discharge or disposal, after contacting the RWQCB.

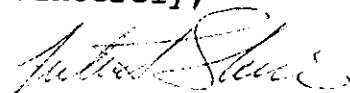
- o The piping, that has been proposed to be closed in place, must be capped in addition to being triple rinsed, per Article 7, Title 23 California Code of Regulations.
- o Only one copy of the report documenting the tank removal, and associated activities, should be submitted to the County.

Per my conversation with Tim Smith, T & T Earth Services, on December 15, 1993, Tank 1 contains #2 diesel, Tank 2 contains waste oil, and Tank 3 **may** contain diesel. If insufficient documentation is available to confirm the past uses of Tank 3, then this tank must be treated as an "unknown" tank, under RWQCB's Staff Recommendations for the Preliminary Evaluation and Investigation of Underground Storage Tanks, and all samples collected in association with this tank must be analyzed for all the above listed waste oil constituents.

During my conversation with Mr. Smith, he stated that the proposed borings may be used in place of the required tank pit sidewall samples. However, this may not be acceptable since sidewall samples are discretionary and are collected from the most **visually** contaminated areas during the actual tank removals. Therefore, additional soil samples will probably be required from all the tank pit sidewalls at the time of the excavation and tank removal.

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

Sincerely,



Juliet Shin
Hazardous Materials Specialist

R02903
✓ R048

Ms. Beverly Chin
Re: 620 Central Ave.
December 15, 1993
Page 3 of 3

cc: Roger Cone
Serrano & Cone Inc.
2092 Omega Rd., Ste F
San Ramon, CA 94583

Tim Smith
T & T Earth Services
P.O. Box 1618
Sutter Creek, CA 95685

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R02903 (suc)

R048 (LOP)

RAFAT A. SHAHID, Assistant Agency Director

June 1, 1992

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

Richard Chu, Engineer
G.S.A. Design and Construction
525 Market St., 31st Floor, 9PCPC
San Francisco, Ca 94105

Re: Federal Center, 620 Central Ave., Alameda, CA 94501

In reference to our phone conversation on May 27, 1992, I have enclosed the following forms and information:

- Underground Storage Tank Unauthorized Release/Contamination report
- Underground Storage Tank Removal process letter
- Underground Tank Closure Plan
- Appendix A, which are initial subsurface investigation guidelines for workplans from the R.W.Q.C.B.

During our conversation, you stated there were three underground storage tanks at the above mentioned site. One tank has failed its last integrity test and soil analysis confirmed contamination is present. All three tanks are out of service. According to Title 23, of the California Code of Regulations, article 5, section 2650 and article 11, section 2722 et. seq., owners or operators of possible leaking tanks, must take certain actions; 1) Submit a report within 5 working days, of unusual operating conditions. 2) Provide an unauthorized release/contamination report, where soil contamination resulted from operation of an underground tank. 3) Initiate corrective action, which includes the following phases:

- Confirmation of the leak
- Preliminary site assessment and investigation
- Site mitigation (i.e., corrective action plan)
- Verification and monitoring phase

You should be advised, tank(s) suspected of leaking or not in service must undergo proper closure (i.e., removal), unless they are properly repaired and approved for reuse. This office will be the lead regulatory agency during the removal process. A completed closure plan submitted in triplicate, along with a deposit of \$906.00 is required, prior to starting work. This amount corresponds to fees established for the removal of three tanks. The fee rate for removing one tank is less. You may wish to remove all of your tanks to minimize any liability associated with the old tanks, remaining in the ground. The completed closure forms and deposit are required within 60 days, or no later than August 15, 1992.

If you have any questions about this letter or about underground tank regulations enforced by this office, please contact me at (510) 271-4320.

Sincerely,



Kevin Tinsley
Hazardous Materials Specialist

lp

cc: Steve McKinley, Fire Inspector, Alameda Fire Dept.
Lester Feldman, R.W.Q.C.B.
Mark Thomson, Alco. District Attorney, Consumer and
Environmental Protection Division
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