

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R0# 252

September 24, 1998

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

Mr. Joe Sabel
U.S. Coast Guard
2000 Embarcadero, Suite 200
Oakland, CA 94606-5337
STID 2911

RE: Coast Guard Island, Alameda, CA 94501-5100

Dear Mr. Sabel:

This letter is to confirm our telephone conversation today that your agency will submit a workplan identifying the method that will be used in your soil-vapor study for the potential exposure to benzene at the above site.

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

Sincerely,


Larry Seto
Sr. Hazardous Materials Specialist

Cc: Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RO# 252

August 13, 1998

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

Mr. Dave Stalters, Chief Environmental Division
U.S. Coast Guard
2000 Embarcadero, Suite 200
Oakland, CA 94606-5337
STID 2911

RE: Coast Guard Island, Alameda, CA 94501-5100

Dear Mr. Stalters:

I have reviewed your Results of Soil and Groundwater Sampling and Analysis report dated July 17, 1998 that was prepared by Woodward-Clyde Federal Services. Table 2, Analytical Results for Groundwater Samples Building 15 and 19 contains an error. Sample USCG-ISC-15-4, groundwater contained 3,300 ppb diesel, not <50 ppb as indicated in Table 2. Please make this correction, and send me a copy of this correction for my report.

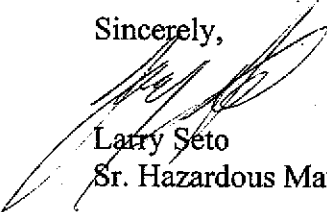
Up to 480 ppb benzene was detected in the groundwater. This benzene concentration exceeds the scenario for groundwater vapor into a commercial/industrial building using the RBCA Tier I look up table.

Up to 3,300 ppb and 4,500 ppb diesel was detected in the groundwater samples taken near Buildings 15 and 19 respectively (samples #15-4 & 19-3). These were the only groundwater samples tested for the presence of diesel. The extent of diesel contamination has not been delineated.

Soil samples 15-4 (4.5-5.5) and 19-3 (4.5-5.5) had a strong odor and relatively high OVM reading, but was non-detect for TPH (gas), BTEX, MTBE and motor oil. The odors maybe due to the presence of volatile or semi-volatile organic compounds.

Please submit a workplan within 45 days to address my concerns above. If you have any questions, please contact me at (510) 567-6774.

Sincerely,



Larry Seto

Sr. Hazardous Materials Specialist

Cc: Joseph Sabel, U.S. Coast Guard, 2000 Embarcadero, Suite 200, Oakland
CA 94604-5337

Michael Bettencourt, Woodward-Clyde, 500 12th Street, Suite 200, Oakland
CA 94607-4014

Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RO# 252

ENVIRONMENTAL HEALTH SERVICES

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

May 12, 1998

Mr. Dave Stalters
Chief, Environmental Division
U.S. Coast Guard
2000 Embarcadero, Suite 200
Oakland, CA 94606-5337

RE: Coast Guard Island, Alameda, CA

Dear Mr. Stalters:

Your letter to my office dated September 11, 1997, has recently been forwarded to me. Two underground tanks, one located at Building 15 and one at Building 19 were involved with an unauthorized release. Your letter requested that they be handled as two separate cases to avoid confusion, and afford the opportunity to close one independent of the other.

This office identify each address with a site identification number (STID). This number is address specific. A site cannot be given more than one STID unless the locations are at two different addresses.

In your situation, this office can issue you a No Further Action letter for one former underground tank location when it is completely remediated. When the other former underground tank location is completely remediated, site closure will be granted.

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

Sincerely,



Larry Seto
Sr. Hazardous Materials Specialist

Cc: Files

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

RO#252

April 1, 1998

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

Mr. Dave Stalters
Chief Environmental Division
U.S. Coast Guard
2000 Embarcadero, Suite 200
Oakland, CA 94606-5337
STID 2911

RE: Coast Guard Island, Alameda, CA

Your Soil and Groundwater Sampling Workplan dated March 16, 1998 is acceptable.

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

Sincerely,


Larry Seto
Sr. Hazardous Materials Specialist

Cc: Joe Sabel, U.S. Coast Guard, 2000 Embarcadero, Suite 200, Oakland, CA 94606
Chris Vais, Woodward-Clyde, 500-12th Street, Suite 200, Oakland, CA 94606
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RO# 252

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

March 27, 1998

Mr. Dave Stalters
Chief Environmental Division
U.S. Coast Guard
2000 Embarcadero, Suite 200
Oakland, CA 94606-5337
STID 2911

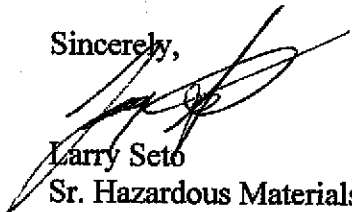
RE: Coast Guard Island, Alameda, CA

Dear Chief Stalters:

I have reviewed the Soil and Groundwater Sampling Workplan dated March 16, 1998, prepared by Woodward-Clyde for the above site. It will be accepted when this office receives a site map drawn to scale identifying soil boring locations.

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

Sincerely,



Larry Seto

Sr. Hazardous Materials Specialist

Cc: Joe Sabel, U.S. Coast Guard, 2000 Embarcadero, Suite 200, Oakland, CA
Chris Vais, Woodward-Clyde, 500 12th Street, Suite 200, Oakland CA

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



R0#252

March 6, 1998

ENVIRONMENTAL HEALTH SERVICES

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

Mr. Dave Stalters, Chief, Environmental Division
U.S. Coast Guard
2000 Embarcadero
Suite 200
Oakland, CA 94606-5337
STID 2911

RE: Coast Guard Island, Alameda, CA

Dear Mr. Stalters:

I have reviewed the draft Soil and Groundwater Sampling Workplan dated February 13, 1998, that was prepared by Woodward-Clyde. Please modify this workplan to address the following items:

- 1) Soil and groundwater sample(s) with detectable TPH(g) must be tested for the presence of MTBE.
- 2) Identify how the groundwater gradient direction at buildings 15 and 19 was determined.
- 3) Site maps (figure 2 & 3) with sampling locations must be drawn to scale.
- 4) A minimum of one soil sample from each boring must be analyzed for the presence of TPH(gas), TPH(diesel), BTEX, total lead and MTBE (see #1 above)
- 5) Soil and groundwater samples must be submitted to a State of California certified laboratory for analysis.

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

Sincerely,



Larry Seto
Sr. Hazardous Materials Specialist

Cc: Joe Sabel, U.S. Coast Guard, 2000 Embarcadero, Suite 200, Oakland, CA
Chris Vais, Woodward-Clyde, 500 12th Street, Suite 200, Oakland, CA
Files

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY
DAVID J. KEARS, Agency Director

RO#252

November 27, 1996

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

Dave Stalters
Chief, Environmental Division
U.S. Coast Guard
2000 Embarcadero, Suite 200
Oakland, CA 94606-5337

RE: Subsurface Investigation, Coast Guard Island

Dear Mr. Stalters:

I have reviewed your Subsurface Investigation Workplan dated July 10, 1996 that was prepared by AGI Technologies. It is acceptable.

Please submit another copy of your Preliminary Contamination Assessment Report dated September 1993, that was prepared by Professional Service Industries. Your file is missing this report.

Please submit a deposit/refund check for the amount of \$415.00. This deposit is authorized under Section 3-141.6 of the Ordinance Code of the County of Alameda, and is used to cover the expenses incurred by the County personnel while working on your project. The County charges an hourly rate of \$94.00.

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

Sincerely,



Larry Seto
Sr. Hazardous Materials Specialist

cc: Files

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0252

RAFAT A. SHAHID, Assistant Agency Director

April 5, 1995

Commanding Officer
United States Coast Guard
Civil Engineering Unit Oakland
2000 Embarcadero, Ste. 200
Oakland, CA 94606-5337

ALAMEDA COUNTY CC 430-4510
DEPT. OF ENVIRONMENTAL HEALTH
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PKWY., RM.250
ALAMEDA, CAL. 94502-6577

STID 2911

Re: Investigations at the U.S. Coast Guard Support Center,
Alameda, California

To Commanding Officer,

This office has completed the review of Professional Service Industries, Inc.'s Quarterly Monitoring Report, dated February 28, 1995, for the above site. Analysis of samples collected from Wells MW-1 and MW-2 continue to show Non Detect results for gasoline and benzene, toluene, ethylbenzene, and xylenes. As stated in the County's March 23, 1994 letter, the sampling frequency for these two wells may be switched from quarterly to annual monitoring. Quarterly sampling and reporting shall continue at the present time for the other monitoring wells.

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

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: Glenn G. Hilton
Professional Service Industries, Inc.
3730 Mt. Diablo Blvd., Ste 345
Lafayette, CA 94549

Dave Stalters
Chief Environmental Division
U.S. Coast Guard
2000 Embarcadero, Ste 200
Oakland, CA 94606-5337

File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0252

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 23, 1994

Commanding Officer
United States Coast Guard
Civil Engineering Unit Oakland
2000 Embarcadero, Ste. 200
Oakland, CA 94606-5337

STID 2911

Re: Investigations at the U.S. Coast Guard Support Center,
Alameda, California

To Commanding Officer,

This office has received PSI's quarterly ground water monitoring reports for the above site, and a letter from Joseph Sabel, U.S. Coast Guard, dated March 10, 1994, requesting that the sampling be switched from quarterly to annual monitoring. Elevated levels of Total Petroleum Hydrocarbons as gasoline (TPHg) and benzene have been identified from Wells MW-3, MW-4, and MW-5, located at the Exchange Center, within the last four quarters of ground water monitoring. Therefore, quarterly monitoring of these wells is required to continue. However, since no contaminants have been identified in Wells MW-1 and MW-2 in the last four quarters, sampling of these wells may be conducted annually instead of quarterly. Due to the elevated contaminant levels being observed in these wells, further investigations may be required to delineate the extent of the ground water contaminant plume.

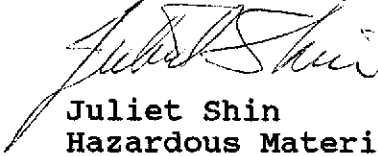
Additionally, elevated levels of TPHg and benzene have been identified fairly consistently in Well MW-1, located near the Swimming Pool, for the last four quarters. Quarterly monitoring of this well shall continue. If elevated contaminant levels persist, further investigations may be required to delineate the extent of the ground water plume.

Lastly, this office sent you a letter on October 7, 1993, requesting you to submit schematics for the site monitoring wells, showing the dimensions of the wells, and primarily the screen intervals of these wells. To this date, this office has not received this info. Please submit this info **within 30 days** of the date of this letter.

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

Commanding Officer
Re: U.S. Coast Guard, Alameda
March 23, 1994
Page 2 of 2

Sincerely,



Juliet Shin
Hazardous Materials Specialist

cc: Mark Casterson
PSI
3730 Mt. Diablo Blvd.
Lafayette, CA 94549

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



R0252

RAFAT A. SHARID, Assistant Agency Director

December 28, 1993

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

CERTIFIED MAILER #: P 386 338 239

US Coast Guard Support Center
0 Coast Guard Island
Alameda, 94501
UGTID:2911

**Re: FIVE-YEAR PERMITS FOR OPERATION OF UNDERGROUND STORAGE TANK(S)
0 Coast Guard Island Alameda, 94501**

Dear Owner/Operator:

According to our records your facility referenced above has not received a five-year permit to operate UST's. In order to obtain a permit you must complete the following items marked below and return them within 30 DAYS. The necessary forms are enclosed. You may complete a "Consolidated Underground Tank Management Plan" which will assist you in preparing a monitoring plan, site plot plan and spill response plan for your tank(s). If supplemental information or forms are required, please submit it to this office with the completed questionnaire and application forms:

- ___ 1. An accurate and complete plot plan.
- ___ 2. A written spill response plan. (enclosed)
- ___ 3. A written tank monitoring plan. (enclosed)
- ___ 4. Results of precision tank test(s), (initial and annual).
- ___ 5. Results of precision pipeline leak detector tests (initial and annual).
- ___ 6. Complete UST PERMIT FORM A-one per facility. (enclosed)
- ___ 7. Complete UST PERMIT FORM B-one per tank. (enclosed)
- ___ 8. Complete UST PERMIT FORM C-one per tank if information is available. (enclosed)
- ___ 9. Letter stating how the tank is to be maintained during one year closure.

Be advised that Title 23 of the California Code of Regulation prohibits the operation of "ANY" UST without a permit. If our records are in error, you must contact this office immediately TO AVOID POSSIBLE ENFORCEMENT ACTION. Please feel free to contact this office at (510) 271-4320; to answer any questions which may arise in completing the mandatory five-year permit process. Be prepared to provide your zip code to speak with the Hazmat Specialist handling your case.

Sincerely,

Cynthia Manji for LARRY SETO.

LARRY SETO
Sr HazMat Specialist

c: Edgar Howell, Chief, Hazardous Materials Div. (files)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0252

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

October 7, 1993

Commanding Officer
United States Coast Guard
Civil Engineering Unit Oakland
2000 Embarcadero, Ste. 200
Oakland, CA 94606-5337

STID 2911

Re: Investigations at the U.S. Coast Guard Support Center,
Alameda, California

To Commanding Officer,

This office has reviewed the Quarterly Ground Water Monitoring Reports for the Exchange Center Location and the Swimming Pool Location at the above Support Center site. It was noted in PSI's lab analysis results that the detection limits being used for the gasoline and BTEX analysis are too high. The detection limit for BTEX should be at or below 0.5 ppb, and the detection limit for gas should be at or below 50 ppb. Future lab analysis of the samples collected should employ these detection limits. Additionally, future reports should include elevation contour maps for the quarterly water level measurements.

Lastly, per my conversation with Mark Casterson, PSI, schematics for the site monitoring wells will be submitted showing the dimensions of the wells, and primarily the screen intervals of these wells.

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

Sincerely,


Juliet Shin
Hazardous Materials Specialist

cc: Mark Casterson
PSI
3730 Mt. Diablo Blvd.
Lafayette, CA 94549

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0252

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

July 14, 1993

Commanding Officer
United States Coast Guard
Civil Engineering Unit Oakland
2000 Embarcadero, Ste. 200
Oakland, CA 94606-5337

STID 2911

Re: Preliminary Investigations for the U.S. Coast Guard Support
Center, Alameda

To Commanding Officer,

This office has received and reviewed PSI's Preliminary Investigation reports for the two different tank locations at the above site. The analysis results for ground water samples collected from the Exchange Center identified Total Petroleum Hydrocarbons as gasoline (TPHg) and benzene concentrations in Wells MW-5 and MW-3. The fact that the wells located between the former tanks and Well MW-3 did not identify any contaminants in this round of sampling indicates that there could possibly be another source for this contamination. Please look through your files to determine whether any other tanks or activities involving gas or benzene is or could have been located in this general area.

Additionally, one well was installed adjacent to the former 2,000-gallon underground storage tanks in the vicinity of the swimming pool. Ground water samples collected from this well identified 720 ppb TPHg and 7.4 ppb benzene. If similar levels of contaminants continue to be identified from this well within the next four quarters, this office will require that additional wells be installed to further delineate the extent of the ground water contaminant plume. Furthermore, it appears that additional wells may be required due to the fact that the well screen does not appear to be screening across the water table, and also because the water level readings from this well may not be representative of the vicinity's depth to ground water due to its installation in the pea gravel-filled tank pit.

Commanding Officer
Re: U.S. Coast Guard
July 14, 1993
Page 2 of 2

If you have any questions or comments, please contact me at (510)
272-4530.

Sincerely,



Juliet Shin
Hazardous Materials Specialist

cc: Richard Hiett, RWQCB

Mark Casterson
PSI
3730 Mt. Diablo Blvd.
Lafayette, CA 94549

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0252

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 14, 1993

Commanding Officer
United States Coast Guard
Civil Engineering Unit Oakland
2000 Embarcadero, Ste. 200
Oakland, CA 94606-5337

STID 2911

Re: Change in address for responsible party to site located at
Coast Guard Island, Alameda

To Whom It May Concern,

This office has recently been informed by John Vogel, U.S. Coast Guard-Seattle, that the Responsible Party address cited in the Notice of Requirement to Reimburse letter should be changed to your address above. This office has gone ahead and made the changes and has attached the copy of the revised Notice of Requirement to Reimburse.

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

Sincerely,

Juliet Shin
Hazardous Materials Specialist

cc: Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0252

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 3, 1993

Commanding Officer
United States Coast Guard
Civil Engineering Unit Oakland
2000 Embarcadero, Ste. 200
Oakland, CA 94606-5337

STID 2911

Re: The former 2,000-gallon diesel tank located at the U.S.
Coast Guard Support Center, Alameda, California

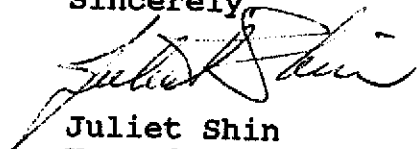
To Whom It May Concern,

According to a Hunter Environmental Tank Removal Report, dated January 24, 1989, two 2,000-gallon gasoline underground storage tanks (USTs), and one 2,000-gallon diesel UST were removed from the above site in December 1988. Concentrations of toluene, ethyl benzene, and xylenes were identified in the gasoline UST tank pit, and, consequently, the U.S. Coast Guard retained PSI consultants to prepare and submit a work plan to address further investigations at this tank pit.

Soil samples collected from the 2,000-gallon diesel UST did not identify any contamination. However, in a recent letter from the County to your site, dated February 25, 1993, you were requested to conduct further investigations for the former 2,000-gallon diesel tank because of diesel contamination identified in stockpiled soil and because of shallow ground water at the site. However, per a conversation between Christopher Lutton, LTJG, and myself on March 3, 1993, Mr. Lutton stated one of the two 2,000-gallon "gasoline" USTs appeared to have been used for diesel storage, and that the diesel contamination in the stockpiled soil, excavated from all the tank pits, was probably the result of releases from this tank. Considering this new piece of information and the lack of soil contamination identified beneath the tank, this office will not be requiring further investigations for the 2,000-gallon diesel tank at this time.

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

Sincerely,


Juliet Shin
Hazardous Materials Specialist

Re: U.S. Coast Guard
Support Center

March 3, 1993

Page 2 of 2

cc: Richard Hiatt, RWQCB

Mark Casterson
Professional Service Industries, Inc.
3730 Mount Diablo Boulevard, Ste 345
Lafayette, California 94549

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0252

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

February 25, 1993

Mr. Christopher C. Lutton, LJC
United States Coast Guard
Civil Engineering Unit Oakland
2000 Embarcadero, Ste. 200
Oakland, CA 94606-5337

STID 2911

Re: Work plan for investigations at the U.S. Coast Guard
Support Center, Alameda, California

Dear Mr. Lutton,

This office has received and reviewed Professional Service Industries, Inc.'s (PSI) work plans, dated February 1993, addressing investigations for the area concerning the retail gas station and the location of the two 2,000-gallon gasoline underground storage tanks (USTs) at the U.S. Coast Guard Support Center. It was noted that neither of these work plans address the former 2,000-gallon diesel UST, although moderate concentrations of diesel were identified in the excavated soils. You are required to conduct further investigations to determine whether groundwater was impacted from the former diesel UST. A work plan shall be submitted to this office **within the next 60 days** of the date of this letter addressing investigations at the former diesel UST location. Any extensions of the due dates must be approved by this office or RWQCB.

The two work plans already submitted are acceptable to this office with the following additions/reminders:

- o Soil samples are to be collected at 5-foot intervals, changes in lithology, or areas exhibiting stains or odors (or readings on the Photoionization Detector). A minimum of one soil sample shall be analyzed from each of the borings.
- o The detection limits proposed in the work plans are too high. The detection limits for TPHg should be 50 ppb, 0.3 ppb for benzene and toluene, and 0.5 ppb xylenes and ethyl benzene.
- o A number of borings have been proposed for the area west of the former 8,000-gallon USTs. Per the conversation between Mark Casterson, PSI consultant, and myself on February 25, 1993, it appears that if contamination is not observed in the soil collected from the easternmost well locations,

Mr. Christopher Lutton, LJC
Re: U.S. Coast Guard Support Center
February 25, 1993
Page 2 of 2

then it appears that the extent of the soil contamination would be defined and no further soil borings would be required east of these wells.

- o Soil and ground water samples collected from the sites with the 2,000-gallon USTs should be analyzed for TPH as diesel, in addition to TPH as gasoline and BTEX, since concentrations of diesel were identified in the stockpiled soil.

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

Sincerely,



Juliet Shin
Hazardous Materials Specialist

cc: Richard Hiett, RWQCB

Mark Casterson
Professional Service Industries, Inc.
3730 Mount Diablo Blvd., Ste 345
Lafayette, CA 94549

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0252

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

November 13, 1992

Mr. Christopher C. Lutton, LJC
United States Coast Guard
Civil Engineering Unit Oakland
2000 Embarcadero, Ste. 200
Oakland, CA 94606-5337

STID 2911

RE: Required investigations for former underground storage
tanks (USTs) at the U.S. Coast Guard Support Center,
Alameda, California

Dear Mr. Lutton,

Two 8,000-gallon unleaded gasoline USTs were removed from the above site in 1990. Soil samples were collected from the native soil beneath these two tanks and the excavated soil from the tank pit. Additionally, one ground water sample was collected from the tank pit. Analysis of the soil samples identified Total Petroleum Hydrocarbons as gasoline (TPHg) at 55 parts per million (ppm) and 380 ppm beneath the tanks. Furthermore, analysis of the ground water sample identified up to 13,000 parts per billion (ppb) TPHg.

Guidelines established by the California Regional Water Quality Control Board (RWQCB) require that a soil and ground water investigation be conducted whenever an unauthorized release of product is suspected from an UST. The observed soil and ground water contamination would indicate that such an event has occurred.

You are required to conduct a **Preliminary Site Assessment (PSA)** to determine the lateral and vertical extent and severity of latent soil and ground water contamination which may have resulted from the release at the site. The information gathered by the 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.

The PSA proposal is due within **60 days** of the receipt of this letter. Once the proposal is approved, field work should commence within 60 days. A report must be submitted within 45 days after the completion of this phase of work at the site.

Mr. Christopher Lutton
RE: U.S. Coast Guard Support Center
November 13, 1992
Page 2 of 3

The report 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.
- o Status of ground water contamination characterization
- o Interpretation of results: 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

Additionally, two 2,000-gallon gasoline USTs and one 2,000-gallon diesel UST were removed from other areas of the site in December 1988. Soil samples collected from the native soil beneath the diesel UST did not identify any contamination exceeding detection limits. Soil samples collected from beneath the other two gasoline USTs did identify minor concentrations of benzene, toluene, ethylbenzene, and xylenes. Furthermore, soil samples collected from the excavated soil identified up to 710 ppm TPHg, and the native soil in the tank pit was saturated with water, indicating shallow ground water.

You are required to conduct ground water investigations in the area of the two 2,000-gallon gasoline USTs to confirm that the shallow ground water in this area was not impacted by the release from these USTs. A work plan for this investigation should be submitted to this office, along with the work plan for the two 8,000-gallon USTs, within 60 days of the receipt of this letter.

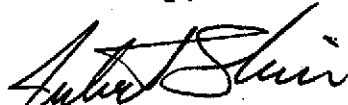
All reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer. Please include a statement of qualifications for each lead professional involved with this project.

Mr. Christopher Lutton
RE: U.S. Coast Guard Support Center
November 13, 1992
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Please be advised that this is a formal request for technical reports pursuant to **California Water Code Section 13267 (b)**. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or RWQCB.

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

Sincerely,



Juliet Shin
Hazardous Materials Specialist

cc: Richard Hiett, RWQCB
Robert La Grone, Alameda Fire Dept.
Edgar Howell-File(JS)