

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Ro# 681

December 17, 1996

Mr. A.V. Barnhill
Barnhill Construction Co.
2394 Mariner Square Dr.
Alameda, CA 94501

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

STID 4818

Re: Addendum to workplan for investigations at 2394 Mariner Square Drive, Alameda, CA

Dear Mr. Barnhill,

This office has reviewed HydroEnvironmental Technologies, Inc.'s (Hydro) December 5, 1996 addendum to the November 19, 1996 workplan. This addendum is acceptable to this office. However, please be reminded that permanent monitoring wells will be required if contaminant concentrations potentially posing a threat to the site or surrounding area are observed. Standardly, this office generally requests appropriate characterization of a site (i.e., at least two to four quarters of groundwater monitoring) prior to having a risk assessment prepared. The two to four quarters of monitoring helps to identify any potential variations in groundwater flow directions and seasonal fluctuations in groundwater contaminant concentrations.

Please notify this office at least one week prior to initiating work at the site. A report documenting the work should be submitted to this office within 45 days after completing field activities.

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

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: Gary Pischke
HydroEnvironmental Technologies, Inc.
2394 Mariner Square Drive, Ste 2
Alameda, CA 94501

Acting Chief

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



RO# 681

December 2, 1996

Mr. A.V. Barnhill
Barnhill Construction Company
2394 Mariner Square Dr.
Alameda, CA 94501

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

STID 4818

Re: Workplan for the site located at 2394 Mariner Square Drive, Alameda, CA

Dear Mr. Barnhill,

This office has reviewed Hydro Environmental Technologies, Inc.'s (Hydro) workplan, dated November 19, 1996, for additional groundwater investigations at the above site. Per my conversation with Gary Pishke, Hydro, on November 25, 1996, this office is requesting that the following additional information and proposed work be submitted prior to the approval of this workplan:

- o Information on the depth of the Posey Tube and surrounding fill, for the area where the geoprobes are proposed.
- o Information on the depth of the storm drain trench, located adjacent to the former underground storage tank, to determine whether there is any potential preferential flow path being created by this trench.
- o If unacceptable contaminant concentrations are identified in the samples collected from these temporary sample points, further characterization, involving the installation and quarterly sampling of permanent monitoring wells, will be required.

Please submit an addendum to the workplan incorporating the above requests. If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: Gary Pishke, HydroEnvironmental Technologies, 2394 Mariner Square Drive,
Suite 2, Alameda, California 94501

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



20681 ✓
Alameda County CC438U
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9335

July 19, 1996

Mr. A.V. Barnhill
Barnhill Construction Company
2394 Mariner Square Dr.
Alameda, CA 94501

STID 4818

Re: Required investigations at Barnhill Construction Company, located at 2394 Mariner Square Dr., Alameda, California

Dear Mr. Barnhill,

On October 17, 1995, this office sent you a letter requiring additional investigations at the above site in response to the identification of petroleum contaminants in soil and groundwater during the October 6, 1995 tank removals (please refer to attached copy of October 17, 1995 letter). To this date, this office has not received any work plans proposing any additional work for the site. **Per Article 11 Title 23 California Code of Regulations, you are required to submit a work plan, within 60 days of the date of this letter (i.e., by September 13, 1996), addressing further characterization of the soil and groundwater contamination.**

Per my conversation with your consultant, George Wilson, on December 13, 1995, the installation of monitoring wells may not be possible at the site due to the Webster Tube that underlies the site. As requested in my phone conversation with Mr. Wilson, please submit a Cal Trans map, and any other available information, that will help to determine the vertical extent of soil and groundwater contamination that may be explored at the site. Please include this information in the requested work plan.

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

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

ATTACHMENT

cc: George Wilson, LW Environmental Services, Inc., 2111 Jennings St., San Francisco, CA 94124-3224

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

R0681

RAFAT A. SHAHID, DIRECTOR

October 17, 1995

Mr. A.V. Barnhill
Barnhill Construction Co.
2394 Mariner Square Dr.
Alameda, CA 94501

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

STID 4818

Re: Required investigations at Barnhill Construction Co.,
located at 2394 Mariner Square Dr., Alameda, California

Dear Mr. A.V. Barnhill,

On October 6, 1995, one 500-gallon diesel underground storage tank (UST) and one 1,000-gallon gasoline UST was removed from the above site. These two USTs were located adjacent to one another in a shared excavation pit. Stained soils, and what appeared to be product, were observed beneath the USTs and on the groundwater surface. A strong odor was also noted to be emanating from the tank pit. Holes were noted in both USTs.

Groundwater was noted in the tank pit, so sidewall soil samples, one from each end of each UST at the soil/water interface, were collected. Additionally, one "grab" groundwater sample was collected. Both soil and groundwater samples were analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), TPH as diesel (TPHd), and benzene, toluene, ethylbenzene, and xylenes (BTEX). Soil samples were also analyzed for lead. Analysis of soil samples identified relatively low levels of xylenes at 19 parts per billion (ppb), TPHg at 1 parts per million (ppm), and lead at 39 ppm. However, the soil samples, especially the ones collected from near the former gas UST, were very wet at the time of collection which sometimes skews the analysis results. Analysis of the "grab" groundwater sample identified higher contaminant concentrations at 6,000 ppb TPHg, 1,000 ppb TPHd, 24 ppb toluene, 13 ppb ethylbenzene, and 350 ppb xylenes.

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 may have impacted the ground water.

You are required to conduct a **Preliminary Site Assessment (PSA)** to determine the lateral and vertical extent and severity of **both soil and ground water** contamination resulting 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, and be consistent with requirements set forth in Article 11 of Title 23, California Code

Mr. A.V. Barnhill
Re: 2394 Mariner Square Dr.
October 17, 1995
Page 2 of 4

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 ground water monitoring well should be installed within 10 feet of the observed soil contamination, oriented in the confirmed downgradient direction relative to groundwater flow. During the installation of the well(s), soil samples are to be collected at five-foot-depth intervals and any significant changes in lithology.
- o Subsequent to the installation of the monitoring well(s), the well(s) must be **surveyed to an established benchmark**, (i.e., Mean Sea Level) with an accuracy of 0.01 foot. Ground water samples and water level measurements are to be collected and analyzed quarterly. **Both soil and ground water samples should be analyzed for TPHg, TPHd, and BTEX.**

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 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 proposal is due within 60 days of the date 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. Subsequent reports are to be submitted quarterly until this site qualifies for final RWQCB "sign-off". Such quarterly reports are due the first day of the second month of each subsequent quarter.

Mr. A.V. Barnhill
Re: 2394 Mariner Square Dr.
October 17, 1995
Page 3 of 4

The referenced initial and quarterly reports must describe the status of the investigation and may 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 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.

Lastly, a Tank Removal Report should be submitted documenting the tank removal work and the laboratory analysis results. This report should include the laboratory analysis results for the stockpiled soil samples. If unacceptable contaminant levels are identified in these samples, the stockpiled soil should be properly disposed of off site at a certified facility, or may be remediated on site.

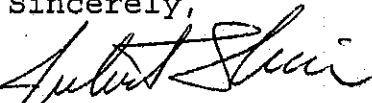
The State Water Resources Control Board has a Petroleum Underground Storage Tank Cleanup Fund available to sites to assist in investigations and cleanup. This office encourages you to look into applying to this fund. The address and phone number of the trust fund is:

State Water Resources Control Board
Division of Clean Water Programs
UST Cleanup Fund Program
2014 T Street, Ste 130
P.O. Box 94212
Sacramento, CA 94244-2120
(916) 227-4307

Mr. A.V. Barnhill
Re: 2394 Mariner Square Dr.
October 17, 1995
Page 4 of 4

If you have any questions about the fund, you can contact Cheryl Gordon at (916) 227-4530. Any other questions can be directed to me at (510) 567-6763.

Sincerely,



Juliet Shin
Senior Hazardous Materials Specialist

cc: George Wilson
LW Environmental Services, Inc.
2111 Jennings St.
San Francisco, CA 94124-3224

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0681

RAFAT

DEPAR

Certified Mailer: Z 296 048 371

Z 296 048 371



Receipt for
Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

PS Form 3800, March 1993

Sent to	MS. BALBINA BARNHILL	
Street	C/O A.V. BARNHILL	
P.O. State and Zip Code	BARNHILL CONSTRUCTION	
	2394 MARINER SQ. DR.	
Post Office	ALAMEDA, CA	94501
Certified Fee	K.T.	
Special Delivery Fee		
Restricted Delivery Fee		

August 29, 1995
STID # 4818

Ms. Balbina Barnhill
c/o A.V. Barnhill
Barnhill Construction
2394 Mariner Square Dr.
Alameda, California 94501

**RE: Underground Storage Tank Removal at Barnhill Construction,
2394 Mariner Square Drive., Alameda, California 94501**

Dear Ms. Barnhill:

Our office has received your letter dated August 4, 1995. Your request to be excused from the panel review meeting on August 17, 1995 is granted contingent upon completing your proposal to submit a closure plan (ie permits) for tank removal within 30 days. According to the letter your tank removal plan should be received no later than September 6, 1995. This allows a two day grace period for delivery by mail.

Upon receipt a your tank closure plan with an acceptable removal completion date and the required deposit, your summons to appear before the review panel will be canceled. If your closure plan is not received, then you will be notified of a new appearance date.

Please contact me at (510) 567-6731 should you have any questions.

Sincerely,

Kevin Tinsley
Hazardous Materials Specialist
Underground Tank Program

c, Johna McGranahan, Alameda County District Attorney Office
Gordon Coleman, District Manager South-County Al.Co. E.P.S.
Ariu Levi, District Manager North-County Al.Co. E.P.S.
Mee Ling Tung, District Manager Central-County Al.Co. E.P.S.

ALAMEDA COUNTY
HEALTH CARE SERVICES



20681

AGENCY
DAVID J. KEARS, Agency Director

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

October 17, 1995

Mr. A.V. Barnhill
Barnhill Construction Co.
2394 Mariner Square Dr.
Alameda, CA 94501

STID 4818

Re: Required investigations at Barnhill Construction Co.,
located at 2394 Mariner Square Dr., Alameda, California

Dear Mr. A.V. Barnhill,

On October 6, 1995, one 500-gallon diesel underground storage tank (UST) and one 1,000-gallon gasoline UST was removed from the above site. These two USTs were located adjacent to one another in a shared excavation pit. Stained soils, and what appeared to be product, were observed beneath the USTs and on the groundwater surface. A strong odor was also noted to be emanating from the tank pit. Holes were noted in both USTs.

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Mr. A.V. Barnhill
Re: 2394 Mariner Square Dr.
October 17, 1995
Page 2 of 4

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Mr. A.V. Barnhill
Re: 2394 Mariner Square Dr.
October 17, 1995
Page 3 of 4

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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.

Lastly, a Tank Removal Report should be submitted documenting the tank removal work and the laboratory analysis results. This report should include the laboratory analysis results for the stockpiled soil samples. If unacceptable contaminant levels are identified in these samples, the stockpiled soil should be properly disposed of off site at a certified facility, or may be remediated on site.

The State Water Resources Control Board has a Petroleum Underground Storage Tank Cleanup Fund available to sites to assist in investigations and cleanup. This office encourages you to look into applying to this fund. The address and phone number of the trust fund is:

State Water Resources Control Board
Division of Clean Water Programs
UST Cleanup Fund Program
2014 T Street, Ste 130
P.O. Box 944212
Sacramento, CA 94244-2120
(916) 227-4307

Mr. A.V. Barnhill
Re: 2394 Mariner Square Dr.
October 17, 1995
Page 4 of 4

If you have any questions about the fund, you can contact Cheryl Gordon at (916) 227-4530. Any other questions can be directed to me at (510) 567-6763.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: George Wilson
LW Environmental Services, Inc.
2111 Jennings St.
San Francisco, CA 94124-3224

Acting Chief-File

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. NEASE, Agency Director



R0681

RAFAT A. SHAHID, 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 386 338 244

Barnhill Construction
2394 Mariner Square Dr
Alameda, 94501
UGTID:4818

**Re: FIVE-YEAR PERMITS FOR OPERATION OF UNDERGROUND STORAGE TANK(S)
2394 Mariner Square Dr 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



R0681

July 27, 1990

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

Mr. Barnhill, Barnhill Construction
2394 Mariner Square Dr.
Alameda, CA 94501

re: registration of underground tanks

Dear Mr. Barnhill

On June 22, 1990, while visiting your facility at 2394 Mariner Square Drive, I noticed a gasoline pump and a diesel fuel pump. In conversations with your employees I learned that these pumps were connected to underground tanks.

Alameda County has no record of permit applications for these tanks.

California Admin. Code, Title 23, Chap. 3, Subchapter 16, Underground Tank Regulations, requires that you either apply for permits or submit tank closure plans.

California Health & Safety Code, Sec. 25299, specifies civil penalties of up to \$5000/day for failing to obtain a tank permit or failing to close a tank that is not in use.

You should apply for operating permits or submit closure plans as soon as possible. I am enclosing the necessary forms. There is an annual fee for operation of underground tanks, and an annual fee assessed on gasoline and diesel fuel inventories. There are also requirements for annual tank tightness tests and periodic leak detection procedures.

I can be reached at (415) 271-4320.

Sincerely,

William Faulhaber
Hazardous Materials Specialist

WF

cc: Edgar B. Howell, Chief, Hazardous Materials Program
Rafat A. Shahid, Agency Director, Environmental Health
Capt. Marvin Helms, Fire Prevention Bureau, 1300 Park St.,
Alameda, CA 94501