AGENCY



DAVID J. KEARS, Agency Director

201149

StID 3730

September 27, 1996

Mr. Arlan Ness c/o John Loar Blackhawk Corp 3820 Blackhawk Road Blackhawk, CA 94506 ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION (LOP) 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

Re: Backfilling of Excavation at 6085 Scarlett Ct, Dublin

Dear Mr. Ness:

EnviroNet Consulting is proposing to backfill the former tank excavation at the above referenced site with clean, imported, porous material. Proper compaction will be monitoried by a registered geotechnical engineer. This proposal is acceptable and field work should commence as soon as possible.

In addition, the stockpiled soil from the excavation will be disposed offsite at an approved facility. Bills of lading should be provided when the work has been completed.

If you have any questions, I can be reached at (510) 567-6762.

eva chu

Hazardous Materials Specialist

c: Robert Nelson, EnviroNet, 1070 Airport Blvd, Santa Rosa 95403 files

AGENCY DAVID J. KEARS, Agency Director



RO#1149
RAFAT A. SHAHID, DIRECTOR

StID 3730

February 9, 1996

Mr. Arlan Ness c/o John Loar Blackhawk Corporation 3820 Blackhawk Road Blackhawk, CA 94506 DEPARTMENT OF ENVIRONMENTAL HEALTH 1131 Harbor Bay Parkway Alameda, CA 94502-6577 (510) 567-6769

RE: Backfilling Excavation at 6085 Scarlett Ct, Dublin

Dear Mr. Ness:

Your consultant, Mr. Craig Hertz, of All Environmental recently requested permission from this Agency to backfill the former underground storage tank excavation. It is proposed that groundwater will be pumped into a Baker tank and pea gravel will be used simultaneously to bridge groundwater as the pit is backfilled and properly compacted. This proposal is acceptable provided clean, imported soil is used immediately above the pea gravel, followed by aerated stockpiled soil.

Be advised that a portion of the stockpiled soil contained up to 1.5 ppm benzene. Further aeration and sampling is required of this soil before it may be used as backfill material, or it may be disposed at an approved facility.

This office has not received quarterly groundwater monitoring reports (QMR) since July 1995. Quarterly sampling must be reinstated immediately and QMRs submitted within 60 days upon completion of field work.

If you have any questions, I can be reached at (510) 567-6762.

eva chu

Hazardous Materials Specialist

Cc: James McKeehan, EPDBP, 6612 Owens Dr, Pleasanton 94588

files

DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Director

StID 3730

July 27, 1995

Mr. Arlan Ness c/o John Loar Blackhawk Corporation 3820 Blackhawk Rd Blackhawk, CA 94506

DEPARTMENT OF ENVIRONMENTAL HEALTH **Environmental Protection Division** 1131 Harbor Bay Parkway, #250 Alameda, CA 94502-6577 (510) 567-6700

QMR for 6085 Scarlett Ct, Dublin, CA 94566 RE:

Dear Mr. Ness:

I have completed review of Levine-Fricke's (LF) July 1995 Results of Soil and Groundwater Investigations and Remedial Activities report for the above referenced site. This report documents the collection of soil and groundwater from the excavation pit, various soil borings, and monitoring well MW-1R.

Also included in the report was a summary of the computer modeling results for the potential threat of residual soil contamination to groundwater. Please submit the complete presentation of groundwater modeling results for review.

At this time, quarterly sampling (not semi-annual sampling as recommended by LF) should be established for this site. Groundwater should be analyzed for PNAs, in addition to TPH-G, TPH-D, and BTEX. Quarterly monitoring reports (QMR) are due within 60 days upon completion of field work. Reports should be submitted under the seal of a California Registered Geologist, Certified Engineering Geologist, or Registered Civil Engineer.

It is my understanding that construction of a building/warehouse over the former excavation pit is planned. Before its development, a human health risk assessment for soil vapor intrusion from soil to indoor air should be performed. RBCA's Tier II approach using average benzene concentrations detected in soil may be used. You may also consider installing a vapor barrier beneath the foundation during construction.

If you have any questions, please contact me at (510) 567-6762.

eva chu

Hazardous Materials Specialist

James McKeehan, EPDBP, 6612 Owens Dr. Pleasanton 94588 Mike Bombard, LF, 3001 Douglas, #320, Roseville 95661 files (lemoine.10)

RO 1149

RAFAT A. SHAHID, Assistant Agency Director

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

StID 3730

January 10, 1995

Mr. Michael Bombard Levine-Fricke 3001 Douglas Blvd, Suite 320 Roseville, CA 95661

RE: Workplan Approval for 6085 Scarlett Ct, Dublin 94566

Dear Mr. Bombard:

I have completed review of Levine-Fricke's January 1995 Work Plan for Further Soil and Groundwater Investigation for the above referenced site. The proposal to advance up to six soil borings to define the lateral and vertical extent of soil contamination, and to install one downgradient monitoring well to assess groundwater quality beneath the site is acceptable.

In addition to the collection of soil samples for analysis (up to two sample per boring), grab groundwater samples should also be collected from borings advanced up- and cross-gradient from the former tank pit. And, all soil samples collected with detectable readings on the OVA should be submitted to the lab for analysis for TPH-G, TPH-D, and BTEX.

Finally, at least two wells at the former Scotsman property (if not yet abandoned) should be included when surveying the newly installed well to verify groundwater flow direction/gradient.

Field work should commence within 45 days of the date of this letter, or by February 28, 1995. Please notify this office at least 72 hours prior to the start of field activities.

If you have any questions, I can be reached at (510) 567-6762.

eva chu

Hazardous Materials Specialist



DAVID J. KEARS, Agency Director

R01149

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH State Water Resources Control Board

> UST Local Oversight Program 80 Swan Wav, Rm 200

Division of Clean Water Programs

Oakland, CA 94621 (510) 271-4530

StID 3730

July 8, 1994

Mr. James Lutton Levine-Fricke 3001 Douglas Blvd, Suite 320 Roseville, CA 95661

Proposal Approval for 6085 Scarlett Ct, Dublin 94566

Dear Mr. Lutton:

I have completed review of Levine-Fricke's Data Evaluation and Remedial Strategy proposal for the above referenced site. proposal to overexcavate fuel contaminated soil around the former gasoline tank pit is acceptable. This activity will result in the decommissioning of monitoring well MW-1, which will require a permit from the Alameda County Zone 7 Water Agency. replacement well downgradient from the final excavation pit will be required. Soil samples collected should be analyzed for TPH-G, BTEX, and total lead.

Please notify this office at least 72 hours prior to the start of field work. Our office has moved to: 1131 Harbor Bay Parkway, 2nd Floor, Alameda, CA 94502. Or you may fax us at (510) 377-9335.

eva chu

Hazardous Materials Specialist

Charles Lemoine, 1367 52nd Ave, Oakland, CA

files

DAVID J. KEARS, Agency Director

R01149

(510) 271-4530

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

StID 3730

April 20, 1994

Mr. Charles Lemoine 1367 52nd Ave Oakland, CA 94601

Subject: QMR for 6085 Scarlett Ct., Dublin 94566

Dear Mr. Lemoine:

On December 13, 1993 I send a letter requesting that the monitoring well installed at the above referenced site be sampled on a quarterly basis. The well was to be sampled no later than January 1994. To date, this office is not in receipt of a quarterly monitoring report (QMR) documenting the work that should have occurred. If the well has not been sampled, implementation of a quarterly monitoring schedule must begin immediately. A QMR is due within 45 days of the date of this letter.

Title 23 of the California Code of Regulations (23CCR), Section 2652(d), requires the owner or operator of an UST facility to submit reports every three months, or at a more frequent interval as specified by the local agency or regional water board, until investigation and cleanup are complete. In addition, the California Health and Safety Code (CHSC), Section 25298, states that underground storage tank closure is incomplete until the responsible party characterizes and remediates the contamination resulting from product discharge.

Please be advised that this is a formal request for technical reports pursuant to Title 23, CCR, Section 2722(c). Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by this agency.

Should you have any questions about the content of this letter, please contact me at (510) 271-4530.

eva chu

Hazardous Materials Specialist

cc: Gary Lowe, H20GEOL, P.O. Box 2165, Livermore 94550 files

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

R01149

DAVID J. KEARS, Agency Director

StID 3730

December 13, 1993

Mr. Charles Lemoine 1367 52nd Ave Oakland, CA 94601 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

Subject: QMR for 6085 Scarlett Ct., Dublin, CA 94566

Dear Mr. Lemoine:

I have just received and completed review of H2OGEOL's November 1993 report for the above referenced site. This report documents the installation of one downgradient monitoring well and results of laboratory analyses of soil and groundwater samples collected during this phase of the investigation, which occurred in March 1993. Groundwater analytical results indicate water to be impacted with up to 64,000 parts per billion total petroleum hydrocarbons as gasoline (ppb TPH-G) and 25,000 ppb benzenze, among others.

At this time, you must establish and implement a quarterly groundwater monitoring schedule for this site. The next sampling episode must begin no later than January 1994. A quarterly report documenting results of each monitoring episode is due within 45 days of receiving laboratory results. Groundwater should be analyzed for TPH-G, BTEX, and total lead.

If laboratory results continue to show elevated levels of contaminants sought, additional investigations will be required to delineate the extent of the plume. In the meantime, you should apply for the state cleanup funds available from the State Resources Control Board. Information about the fund is enclosed.

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 this agency.

Charles Lemoine re: QMR for 6085 Scarlett Ct., Dublin December 13, 1993 Page 2

If you have any questions, I may be reached at (510) 271-4530.

Sincerely,

eva chu

Hazardous Materials Specialist

enclosure

cc: Gary Lowe, H2OGEOL, P.O.Box 2165, Livermore, CA 94551 files

DAVID J. KEARS, Agency Director

R01149

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

StID 3730

October 7, 1993

Mr. Charles Lemoine 1367 52nd Ave Oakland, CA 94601

Subject: Monitoring Well Installation for 6085 Scarlett Ct.,

Dublin 94566

Dear Mr. Lemoine:

On December 7, 1992, this office sent a letter directing you to commence with the installation of one downgradient monitoring well at the above referenced site by January 25, 1993. This well was to be used to evaluate whether the release of fuel products at the site has impacted groundwater.

To date we are not in receipt of any documentation that the work has been performed. Please be advised that the California Health and Safety Code (CHSC), Section 25298, states that underground storage tank closure is incomplete until the responsible party characterizes and remediates the contamination resulting from product discharge.

Therefore, you, as the responsible party are in violation of this section of the Code, for which Section 25299 specifies civil penalties of up to \$5,000, for each day of violation, upon conviction. Also, failure to furnish technical reports regarding documented or potential groundwater contamination violates Section 13267(b) of the California Water Code. The Regional Water Quality Control Board (RWQCB) can impose civil penalties of up to \$1,000 per day that such a violation continues.

You are directed to commence with the installation of the monitoring well within 30 days of the date of this letter. Failure to comply will result in referral of this case to the RWQCB or Alameda County District Attorney to consider for enforcement action. Modification of required tasks or extensions of stated deadlines must be confirmed in writing by either this agency or the RWQCB.

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

eva chu

Hazardous Materials Specialist

cc: Gil Jensen, Alameda County District Attorney's Office
 files (lemoine5)

R01149

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DAVID J. KEARS, Agency Director

StID 3730

December 7, 1992

Charles Lemoine 1367 52nd Ave Oakland, CA 94601 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

Subject: Monitoring Well Installation for 6085 Scarlett Ct., Dublin 94566

Dear Mr. Lemoine:

On April 13, 1992 this Agency requested additional work be performed for the determination of the extent of soil and groundwater contamination caused by the release of petroleum products from the former underground storage tanks (USTs) at the above referenced site.

In response to our letter, soil samples were taken from four sidewalls of the excavation pit (which was left open since the USTs were removed in June 1990), at the capillary fringe. One water sample from the pit was also taken. The samples were analyzed for TPH-g and BTEX resulting in non-detectable levels. The pit was then backfilled with "clean" soil.

A workplan, dated June 25, 1992, for the installation of one monitoring well in the confirmed downgradient direction was submitted by your consultant, Mr. Gary Lowe. This workplan was given verbal approval on June 30, 1990 to Mr. Lowe.

In a recent conversation you stated that field work for the installation of the monitoring well has not begun. At this time you are directed to commence with field work within 45 days of the date of this letter. 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 RWQCB "sign off." All reports and proposals must be submitted under seal of a California Registered Geologist, Certified Engineering Geologist, or Registered Civil Engineer.

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 the RWQCB. Copies of all proposals and reports must also be sent to Mr. Rich Hiett of the RWQCB.

C. Lemoine re: 6085 Scarlett Ct, Dublin

December 7, 1992

Page 2

Should you have any questions about the content of this letter, please contact me at (510) 271-4530.

Sincerely,

Eva Chu

Hazardous Materials Specialist

Rich Hiett, RWQCB cc:

Gil Jensen, Alameda County District Attorney's Office Tom Hathcox, Dougherty Regional Fire Authority

Edgar Howell/files



R01149

DAVID J. KEARS, Agency Director RAFAT A. SHAFIID, Assistant Agency Director

StID 3730

June 5, 1992

Chuck Lemoine 1367 52nd Ave Oakland, CA 94610 DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Division 80 Swan Way, Rm. 200 Oakland, CA 94621 (510) 271-4320

Subject: Backfilling Pit at 6083 Scarlett Ct., Dublin 94566

Dear Mr. Lemoine:

I have reviewed the laboratory analyses of both water and soil samples taken at the above referenced site. It is appropriate to backfill the former tank excavation with clean soil, as you have indicated is your preference, at this time. I understand you also wish to leave the stockpiled soil onsite. For clearance you will need to take confirmatory samples for every 20 cubic yards of soil with non detection levels of TPH-G and BTEX. Provide me the laboratory analyses when they become available. If you have any other questions, please call me at (510)271-4530.

Sincerely,

Eva Chu

Hazardous Materials Specialist

RAFAT A. SHAHID, Assistant Agency Director

STID #3730

April 13, 1992

Charles Lemoine 1367 52nd Ave Oakland, CA 94601 DEPARTMENT OF ENVIRONMENTAL HEALTH Hazardous Materials Division 80 Swan Way, Rm. 200 Oakland, CA 94621 (510) 271-4320

Subject: Workplan for Soil and Groundwater Remediation at 6085 Scarlett Ct., Dublin, CA 94566

Dear Mr. Lemoine:

Our office has reviewed the sampling analyses results for the underground storage tank (UST) removals occurring on June 11, 1990 at the above referenced site, as presented by Tom Ramsey of the Fuel Oil Polishing Company, in the final closure report dated May 24, 1990. The soil and water analyses confirm significant contamination in both soil and groundwater. Soil samples collected from the UST pit reveal up to 290 parts per million (ppm) for total petroleum hydrocarbons as gasoline (TPH-G). The water sample contained 120ppm TPH-G, in addition to 4400, 18,000, 3900, and 20,000 parts per billion (ppb) for the aromatic compounds benzene, toluene, ethylbenzene and xylenes, respectively.

These results confirm that an unauthorized release from the USTs has occurred. Further, ground water has already been shown to be impacted by this release. As a result, further work to define the extent of both soil and ground water contamination must be completed. To initiate this work, you are now required to submit a workplan that provides information on how the subsurface investigation will proceed. This workplan must be submitted to our office within 45 days of the date of this letter.

Our office will be the lead agency overseeing the soil and groundwater investigation at this site. The San Francisco Bay Regional Water Quality Control Board (RWQCB) has delegated the handling of this case to our Division. We will be adhering to the RWQCB's investigation requirements. However, you are responsible for diligent actions to protect the waters of the State. If at any time free product is encountered, it must be removed. investigation indicates that the plume is migrating, interim remedial measures are to be taken to contain it onsite, or to prevent the migration.

A format for the workplan and items to address is outlined below.

I. INTRODUCTION

- A. Statement of Scope of Work
- B. Site Location
- C. Background

D. Site History

Provide a brief description of the historic site use and ownership information, type of business and associated activities that take place at the site, and provide a history of the use of the underground tank, its contents, and include the date of installation.

II. SITE DESCRIPTION

- A. Provide a map which shows streets, site buildings, underground tank locations, subsurface conduits and utilities, on-site and nearby wells, and nearby streams or water bodies.
- B. Provide a description of the hydrogeologic setting of the site and surrounding area. Include a description of any subsurface work previously done at the site.

III. PLAN FOR DETERMINING EXTENT OF SOIL CONTAMINATION ON SITE

- A. Describe how the extent of soil contamination associated with the former underground tank will be determined.
- В. Describe the sampling methods and procedures to be used. If soil samples are to be collected for contamination delineation, consult the RWQCB guidelines for soil sampling protocols. During drilling of all boreholes and monitoring wells, undisturbed soil samples are to be collected at a minimum of every five feet in the unsaturated zone and at any changes in lithology for logging and analytical purposes. Borings and wells are to be permitted through Alameda County Flood Control and Water Conservation District, Zone 7. Their number is (510)484-2600. Borings and wells are to be logged from undisturbed soils samples. Logs shall include observed soil odors; blow counts shall be expressed in blows per 6 inches of drive. If a soil gas survey is planned, the location of survey points must be identified along with the analytical methods and techniques to be used. quality assurance plan for field analyses must be submitted.

C. Soil samples are to be analyzed by a California State Certified Laboratory for the appropriate constituents.

IV. DETERMINATION OF GROUNDWATER QUALITY

- A. A minimum of three monitoring wells must be installed to determine the groundwater gradient. If the verified down-gradient location has been established, the complete gradient data must be submitted and one monitoring well will be required in the down-gradient direction.
- B. Monitoring wells shall be designed and constructed to be consistent with the RWQCB guidelines and to permit entrance of any free product into the wells. Filter pack and slot sizes for all wells should be based on particle analysis from each stratigraphic unit in at least one boring on the site and on the types of groundwater contaminants present. The well screen must be situated to intercept any floating product from both the highest and lowest ground levels. All wells shall be surveyed to mean sea level to an established benchmark to 0.01 foot.
- C. Monitoring wells must be sampled for dissolved and floating constituents. Any free product is to be measured with an optical probe or by another method shown to have equivalent accuracy.
- D. Water level measurements must be made monthly for 12 consecutive months until a gradient pattern is established. Thereafter, measurements shall be made quarterly. A groundwater gradient map shall be developed for every water level data set.
- E. Sample monitoring wells monthly for three consecutive months. Free product thicknesses and water levels shall be measured in all wells for each sampling event before any purging or sampling activities are begun. After three consecutive months of sampling, all monitoring wells must be sampled at least quarterly for one year.

 Groundwater quality must be monitored quarterly for a minimum of one year, even if no contamination is identified. At this point, the case will be evaluated to determine if additional monitoring is necessary.
- F. Groundwater samples are to be analyzed by a California State Certified Laboratory for the appropriate constituents.

V. INTERPRETATION OF HYDROGEOLOGIC DATA

A. Water level contour maps showing groundwater gradient direction and free and dissolved product plume definition

maps of each contaminant constituent should be prepared routinely and submitted with the sampling results.

- B. The hydrogeologic characteristics of the aquifer must be described. An estimate of vertical transmissivity, based on a laboratory permeability test or a pump test, is required for any unit identified as a clay. Identification of the clay should be verified by particle analysis (ASTM D-422).
- C. The cross sections, groundwater gradients (horizontal and vertical) should be interpreted to explain pollution migration patterns.

VI. DETERMINATION OF THE TYPES OF BENEFICIAL USES OF THE GROUNDWATER

A. The State has defined all San Francisco Bay Area water as having beneficial uses; however, the types of beneficial uses vary and must be determined in order to establish appropriate cleanup levels. Beneficial uses include drinking water, irrigation, groundwater recharge, wild life habitat, contact and non-contact recreation, fish migration, etc. A drinking-water beneficial use "aquifer" is defined as a aquifer yielding water of less than 3,000 units of total dissolved solids and yielding water at a rate of at least 200 gallons per day.

VII. SITE SAFETY PLAN

VIII. REPORTING

- A technical report must be submitted, within 30 days of completion of the investigation, which presents and interprets the information generated during the initial subsurface site investigation. At a minimum, the report must include the following items: Site history information, boring and well construction logs, records of field observations and data, chain-of-custody forms, water level data, water level contour map showing groundwater gradient direction, contaminant plume maps, tabulations οf soil and groundwater contaminant concentrations, status ΟÊ soil contamination characterization, description of any remedial work performed, laboratory-originated analytical results for all soil and groundwater samples analyzed, copies of TSDF-to-Generator manifests for any hazardous wastes hauled off-site, a description on where non-hazardous contaminated soils went, and any recommendations for additional investigative or remedial work.
- B. All reports and proposals must be signed by a California-Certified Engineering Geologist, California-Registered

6085 Scarlett Ct April 13, 1992

Geologist or a California-Registered Civil Engineer. A statement of qualifications should be included in all reports. Borehole and monitoring well installation and logging, impact assessments, and interpretation of such data will require the signature of such a professional.

C. The technical report must be submitted with a cover letter from an authorized representative of Charles Lemoine and received in this office by the established due date. The letter must be signed by a principal executive officer or by an authorized representative of the company.

Any stockpiled soil associated with tank removal activities or investigation activities must be sampled to determine the proper disposition of the soil. The number of samples collected from the stockpile(s) must be adequate to characterize the soil for the appropriate soil handling or disposal method.

All proposals, reports and analytical results pertaining to this investigation and remediation must be sent to our office and to the RWQCB to the attention of Lester Feldman. The address is:

Regional Water Quality Control Board 2101 Webster Street, Fifth Floor Oakland, CA 94612

You should be aware that this Division is working in conjunction with the RWQCB and that this is a formal request for technical reports pursuant to California Water Code Section 13267 (b). Any extensions of agreed upon time deadlines must be confirmed in writing by either this Division or the RWQCB.

Should you have any questions concerning the contents of this letter or the status of this case, please contact Eva Chu at (510)271-4530.

Sincerely

oft o. Seery, CHMM

Sr Mazardous Materials Specialist

cc: Lester Feldman, RWQCB
Gil Jensen, Alameda County District Attorney's Office
Tom Hathcox, Dougherty Regional Fire Department
Howard Hatayama, DTSC
file