

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



R0326

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

February 22, 1994
STID# 4251

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

Ms. Kimberly Brandt
Catellus Development Corp.
201 Mission Street, 30th Floor
San Francisco, California 94105

**RE: Status of the Soil and Groundwater Investigation at the
Former Bashland Property - 4015 Hollis Street, Emeryville,
California 94608**

Dear Ms. Brandt:

The Alameda County, Department of Environmental Health, Hazardous Materials Division has recently reviewed the case file concerning the removal of three underground storage tanks (one 1,200 gallon oil and two 12,000 gallon diesel fuel) in April 7, 1992 at the referenced site. This office is also in receipt and has completed review of the recent "Quarterly Monitoring Report" dated January 31, 1994 and prepared by Levine Fricke.

Based upon this review process, the proposed monitoring program (annual sampling schedule for monitoring well LF-31) is not acceptable at this time. LF-31 detected concentrations of the following contaminants during the last sampling event (12/9/93): 200 ppb TPH diesel, 100 ppb TPH motor oil and 6.3 ppb PCE.

Sampling of groundwater monitoring well LF-31 at the site **must occur every quarter** which is the maximum sampling interval typically allowed when groundwater contamination is present. The monitoring well LF-31 must be sampled and analyzed for the following target compounds: TPH diesel, TPH motor oil and volatile organic compounds (TCE, 1,2-DCE, PCE). Any modification to the monitoring program must have prior approval from this office. In addition, groundwater elevation readings must be incorporated in the monitoring program and groundwater gradient flow direction must be established at the site.

Until cleanup is complete, you will need to submit reports to this office **every three months** (or at a more frequent interval, if specified at any time by this office). In addition, the following items must be incorporated in your future reports or workplans :

- a cover letter from the responsible party or tank owner stating the accuracy of the report and whether he/she concurs with the conclusions and recommendations in the report or workplan

Ms. Kimberly Brandt
RE: 4015 Hollis Street, Emeryville, CA 94608
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- site map delineating contamination contours for soil and groundwater based on recent data should be included and the status of the investigation and cleanup must be identified
- proposed continuing or next phase of investigation / cleanup activities must be included to inform this department of the responsible party or tank owner's intention

- any changes in the groundwater flow direction and gradient based on the measured data since the last sampling event must be explained

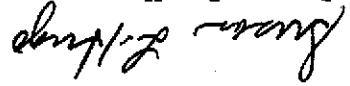
- historical records of groundwater level in each well must be tabulated to indicate the fluctuation in water levels
- tabulate analytical results from all previous sampling events; provide laboratory reports (including quality control/quality assurance) and chain of custody documentation

All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professional involved with the project.

Please be aware that this is a formal request for technical reports pursuant to California Water Code Section 13267 (b). Any extensions of stated deadlines or changes in the workplan must be confirmed in writing and approved by this agency.

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

Sincerely,



Susan L. Hugo
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Asst. Agency Director, Environmental Health
Edgar B. Howell, Chief, Hazardous Materials Division / file
Rich Hiett, RMQCB, San Francisco Bay Region
Jennifer Beatty, Levine Fricke - 1900 Powell St., 12th Floor
Emeryville, California 94608

ALAMEDA COUNTY
HEALTH CARE SERVICES
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DAVID J. KEARS, Agency Director



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RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

October 20, 1992
STID# 4251

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

R. Stevens Condie, Esq.
Bashland Incorporated
11 Embarcadero West # 140
Oakland, California 94607

**RE: Bashland, Incorporated
4015 Hollis Street, Emeryville, California 94608**

Dear Mr. Condie:

The Alameda County Department of Environmental Health, Hazardous Materials Division is in receipt and has completed review of the "Tank Removal Report - Bashland Property" (June 24, 1992), submitted by Levine Fricke concerning the removal of three underground storage tanks at the referenced site.

Total oil and grease (TOG) as high as 1,500 parts per million (ppm), was detected in the soil samples collected during the removal of the tanks. Groundwater collected from the excavation pit exhibited elevated concentrations of dissolved -phase hydrocarbon constituents, with total petroleum hydrocarbon as diesel (TPH-d) at 1.2 ppm. In addition, elevated concentrations of trichloroethene (22 ug/l) and 1,2-dichloroethene (8 ug/l) were detected in the groundwater. The referenced site has experienced a confirmed release pursuant to the San Francisco Bay Regional Water Quality Control Board (RWQCB) fuel leak criteria. As such, further investigation and/or cleanup must be initiated.

A preliminary assessment must be conducted to determine the extent of soil and/or groundwater contamination that has resulted from the former leaking tanks. The information gathered by this investigation will be used to assess the need for additional actions at the site. **The preliminary assessment should be designed to provide all of the information in the format shown in the attachment at the end of this letter which is based on the RWQCB's guidelines.**

As recommended in the report by Levine Fricke, soil samples must be collected from beneath the retaining wall and **one monitoring well must be installed within 10 feet of the former tank location in the verified downgradient direction.** Three wells are needed to established gradient direction of the groundwater at the site using a triangular fashion. Groundwater monitoring wells must be sampled on a quarterly basis and analyzed for the following target compounds: TPH as gasoline; TPH as diesel; oil & grease; benzene, toluene, ethyl benzene and xylene (BTEX); chlorinated hydrocarbons; semi-volatile organics (8270); lead; nickel; cadmium; zinc; and chromium.

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Until cleanup is complete, you will need to submit reports to this office and to RWQCB every three months (or at a more frequent interval, if specified at any time by either agency). In addition, the following items must be incorporated in your future reports or workplans:

- a cover letter from the responsible party or tank owner stating the accuracy of the report and whether he/she concurs with the conclusions and recommendations in the report or workplan
- site map delineating contamination contours for soil and groundwater based on recent data should be included and the status of the investigation and cleanup must be identified
- proposed continuing or next phase of investigation / cleanup activities must be included to inform this department or the RWQCB of the responsible party or tank owner's intention
- any changes in the groundwater flow direction and gradient based on the measured data since the last sampling event must be explained
- historical records of groundwater level in each well must be tabulated to indicate the fluctuation in water levels
- tabulate analytical results from all previous sampling events; provide laboratory reports (including quality control/quality assurance) and chain of custody documentation

Please submit a time schedule for all the phases of the investigation and remediation activities and the anticipated time when cleanup will be completed at the site.

Your workplan must be submitted no later than **December 15, 1992**. All reports and proposals must be submitted under seal of a California Registered Geologist or Registered Civil Engineer with a statement of qualifications for each lead professionals involved with the project. Copies of reports must also be submitted to :

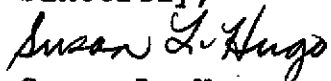
Rich Hiett
RWQCB, San Francisco Bay Region
2101 Webster Street, Fourth Floor
Oakland, California 94612

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Because we are overseeing this site under the designated authority of the Regional Water Quality Control Board, this letter constitutes a formal requests for technical reports pursuant to California Water Code Section 13267 (b). Any extensions of stated deadlines or changes in the workplan must be confirmed in writing and approved by this agency or RWQCB.

Please contact me at (510) 271-4530 if you have any questions concerning this letter.

Sincerely,



Susan L. Hugo
Senior Hazardous Materials Specialist

Enclosure

cc: Rich Hiett, San Francisco Bay RWQCB
Gil Jensen, Alameda County District Attorney's Office
Edgar B. Howell, Chief, Hazardous Materials Division - files
Don Marini, Catellus Development - 201 Mission St. Suite 202
San Francisco, California 94105
Jenifer Beatty, Levine Fricke - 1900 Powell St., 12th Floor
Emeryville, California 94608