



CITY OF EMERYVILLE

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RECEIVED

9:30 am, May 26, 2009

Alameda County
Environmental Health

May 18, 2009

Ms. Barbara J. Jakub, P.G.
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Reference: Fuel Leak Case No. RO0000267, Geotracker Global ID T0600101590

Subject: Scope of Work to Satisfy Alameda County's Request in Your 4/28/09 Letter,
Emeryville Marina at 3310 Powell Street, Emeryville, CA

Dear Ms. Jakub:

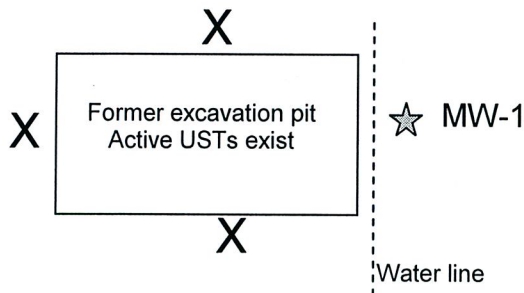
I am in receipt of your April 28, 2009 letter to the City of Emeryville relating to the City's Marina site located at 3310 Powell Street, Emeryville, California. The City of Emeryville proposes to provide you with further information to accompany our Request for Case Closure dated December 5, 2008 for the above referenced site with the hope that the information provided will be sufficient for the County to determine if a Case Closure is appropriate. The following is a summary for the proposed tasks for this additional information. Upon the County's agreement of the tasks, the City will retain a consultant to perform them.

1. Utility Survey

A plan view map of underground utilities in the vicinity of underground storage tanks (USTs) was provided to the Alameda County in the *Request for Case Closure* Report prepared by OTG EnviroEngineering Solutions, Inc. (December 5, 2008). Electrical, gas, water, telephone, television, and fire alarm utility lines are generally buried within three feet of surface. Storm water and sanitary sewer lines are the only utilities that may exist deeper than three feet. We will further search City's file records for the depth information of underground utilities near the USTs. A cross-section figure will be generated depicting elevations of groundwater in MW-1, relevant utilities, and high-low sea tides near the site.

2. Site Characterization

Using a direct-push method, three boreholes will be drilled as illustrated below:



Because active USTs exist within the former excavation pit, we may not be able to drill too close to the active USTs and product lines. The boreholes will be drilled to 10 feet below surface. A grab groundwater sample and two soil samples (5 feet and 10 feet below grade) will be collected from each of the three boreholes. All samples will be analyzed for TPH gas, diesel, BTEX, five oxygenates (MTBE, DIPE, ETBE, TAME, and TBA), 1,2-dichloroethane, and 1,2-dibromoethane. MW-1 will be sampled again for the same analysis.

Groundwater elevation in MW-1 will be measured at various times in 24 hour period on an extreme high tide day in order to determine the influence of the tidal action on the groundwater elevation.

The City will retain a consultant to prepare a work plan for the above site characterization per the County's request in the April 28, 2009 letter.

3. Wellhead Elevation Survey

The existing monitoring well MW-1 will be surveyed to NAD 83 for latitude and longitude and NAVD 88 for elevation.

4. Summary Report Submittal

The site investigation and well survey results will be included in a site characterization report summary, which will be submitted to the County. The City does not have any other reports for uploading to the County's ftp site.

As soon as we receive your agreement with the above work scope, the City will issue a Request-for-Proposal and retain an environmental consulting firm to perform the work. Please call me at (510) 596-4334 or send me an email at mkaufman@ci.emeryville.ca.us for questions or comments. Thanks.

Sincerely,
City of Emeryville


Maurice Kaufman
Public Works Director/City Engineer