

Geological Technics Inc.

1101 7th Street
Modesto, California 95354
(209) 522-4119/Fax (209) 522-4227

November 13, 2007

Project No.: 1262.2
Project Name: Sullins (L Street)

Mr. Dave Charter
State Water Resources Control Board
2014 T Street, Suite 130
P.O. Box 944212
Sacramento, CA 94244-2120

RE: Cost Pre-Approval for Corrective Action Plan Implementation
Location: Arrow Rentals, 187 N L Street, Livermore, CA
ACEH Site: R00000394; USTCFP Claim #000389

Dear Mr. Charter:

Petroleum hydrocarbons associated with former underground storage tank systems have been documented in soil and groundwater at the above site.

The work performed to date is summarized below*:

- 1972 – Three 1,500 gallon gasoline USTs removed.
- 1984 – A single 1,000 gallon gasoline UST installed.
- 1986 – Two gasoline USTs removed (4,000 & 6,000 gallon).
- June 1985 – Pitcock Petroleum dispenses ~600 gallons into a vapor monitoring well adjacent to the 1,000 gasoline UST (Pitcock Release).
- September 1988 – Three monitoring wells installed (W-1, W-2 and W-3).
- March 1989 – Five soil borings advanced (B-1 through B-5).
- May 1989 – Three monitoring wells installed (W-1, W-2 and W-3).
- July 1990 – Five monitoring wells installed (W-A through W-E), three soil borings advanced (B-7, B-8 and B-1A), and a soil gas survey was completed.
- March 1991 – A single soil boring advanced (B-F).
- January 1992 - UST pipeline soil excavation and sampling, two soil borings advanced (B-G and B-H).
- March 1994 – Dual Phase Extraction pilot test performed.
- March 1996- Four monitoring wells installed (W-1s, W-Bs, W-3s and W-Es).
- 1998- Soil gas survey.
- November 2005- Soil gas survey.

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ENVIRONMENTAL HEALTH SERVICES

- October 2006- five continuous tubing multi-Chambered wells installed (the MW-4/104/204/304/404 through MW-8/108/208/308 series).
- October 2006- Dual Phase Extraction pilot test performed.
- 1988 to present – intermittent monitoring/sampling of select monitoring wells.
- August 1, 2007 –Final Corrective Action Plan (CAP) submitted to ACEH after thirty day public comment period.

* Data from Woodward Clyde Consultants, GTI, & ACEH documentation.

In an August 17, 2007 letter correspondence, Alameda County Environmental Health (ACEH) staff directed that remedial action proposed in Geological Technics Inc.'s (GTI) August 1, 2007 "*Corrective Action Plan – Final*" be implemented. They further stated that a Remediation System Start-Up Report be submitted by December 19, 2007.

Additionally, the Clients are under the directive of the City of Livermore Redevelopment Agency who is using the enforcement guidelines of the Polanco Act. The deadlines set forth for this project are extremely tight and leave very little room for delays.

Copies of the Corrective Action Plan, ACEH correspondence, field activities bids and an itemized budget spreadsheet of costs for performing this work are enclosed for your review.

Proposed Direction of Project

The work mandated and approved by the County is summarized below:

1. Trench and install piping conveyance:
 - a. Individual extraction lines to three existing wells.
 - b. Air sparge contingency line to one existing well.
 - c. Treated water discharge line to existing sewer clean out.
2. Procure and install dual phase extraction treatment system:
 - a. Extracted vapors to be treated by catalytic oxidizer with subsequent discharge to ambient air under permit from the BAAQMD.
 - b. Extracted groundwater to be treated by air stripper and two (2) 1,000 lbs. carbon units in series with subsequent discharge to City of Livermore sewer system.
 - c. Fenced compound.
3. Install utility infrastructure;
 - a. Natural gas service to fuel catalytic oxidizer.
 - b. Electricity service for system operation.
4. Obtain startup and monthly vapor samples for laboratory analysis for permit requirements.
5. Obtain startup and monthly groundwater sewer discharge samples for laboratory analysis for permit requirements.
6. Obtain monthly monitoring well/carbon system samples for laboratory analysis for permit requirements and system effectiveness determination.
7. Prepare a system startup report after installation.
8. Prepare two semi-annual groundwater monitoring reports.

Listed below is a proposed schedule for implementing this project.

Proposed Bidding of Project

To remain in compliance with the USTCFP, Geological Technics Inc. requested three bids from building contractors, remedial system suppliers, carbon suppliers and laboratories.

These costs have been included in the attached opinion of cost spreadsheet prepared giving estimated costs for performing the work approved by ACEH. The opinion of cost spreadsheet shows itemized cost for the tasks proposed. In an attempt to make this Pre-Approval flow smoothly, GTI has used the same unit costs for this work that has previously been approved by the USTCFP for other projects.

Geological Technics Inc. accepts field support services and lab invoices and adds a 15% overhead fee. GTI then pays these charges.

Tentative Schedule for Implementing Work

Task Description

- Prepare USTCFP Cost Pre-Approval for work
- Receive approval of costs from USTCFP

Schedule

November 2007
November 2007

- Submit Plans to City of Livermore Building Department November 2007
- Install & Start-Up System December 2007
- Prepare a System Start-Up Report December 2007

Note: ACEH has set a deadline for the submittal of the report of start-up for the field work-December 19, 2007.

Thank you for your attention to this project. Call me if you have questions or need clarification. My phone number is (209) 522-4119.

Respectfully Submitted,



Raynold I. Kablanow II, Ph.D.
Vice President

cc: Tony & Rita Sullins
Jerry Wickham – ACEH (Letter Only)
Chris Davidson, City of Livermore (Letter Only)