



March 1, 2005

TRC Project No. 42010301

Mr. Robert Schultz
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

**RE: Quarterly Status Report - Fourth Quarter 2004
76 Station #6034, 4700 First Street, Livermore, California
Alameda County**

RECEIVED
MAY 03 2005
ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

Dear Mr. Schultz:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the Fourth Quarter 2004 Quarterly Status Report for the subject site.

PREVIOUS ASSESSMENTS

The subject site is an active gasoline station. The site is located adjacent to and northwest of the Arroyo Seco (intermittent drainage stream). Two gasoline stations are located adjacent to the site. The site is located approximately 9,000 feet northwest of Lawrence Livermore National Laboratory.

August 1989: Two underground storage tanks (USTs), one waste oil UST, and the product piping were removed. Petroleum hydrocarbon levels in soil samples collected beneath the fuel USTs were non-detect to moderate. The fuel UST pit was subsequently overexcavated to a depth of 17.5 feet below grade in order to remove hydrocarbon-impacted soil. Petroleum hydrocarbon levels in soil samples collected beneath the waste oil UST were non-detect.

October 1989: Four monitoring wells were installed to depths of approximately 27 feet below ground surface (bgs). Groundwater was encountered at depths ranging from 14.5 to 17.5 feet bgs.

January 1990: A monthly monitoring and quarterly sampling program was initiated.

August 1995: An oxygen-releasing compound (magnesium peroxide) was placed in well MW-2 to enhance biodegradation of petroleum hydrocarbons. Also, a non-attainment zone status was sought from the regulatory agencies.

October 2003: Site environmental consulting responsibilities were transferred to TRC.

SENSITIVE RECEPTORS

The site is located adjacent to and northwest of the Arroyo Seco (intermittent drainage stream).

MONITORING AND SAMPLING

Seven onsite wells are currently monitored semiannually, with two wells (MW-2 and MW-4) sampled semiannually. The groundwater gradient and flow direction were 0.007 foot/foot to the northwest.

CHARACTERIZATION STATUS

Total purgeable petroleum hydrocarbons (TPPH) were detected in both wells, with a maximum concentration of 4,700 micrograms per liter ($\mu\text{g}/\text{l}$) in well MW-2.

Benzene was not detected in the sampled wells.

Methyl tertiary butyl ether (MTBE) was detected in one of the two wells sampled, with a maximum concentration of 5.9 $\mu\text{g}/\text{l}$ in MW-2.

REMEDIATION STATUS

Remediation is not currently being conducted at the site.

RECENT CORRESPONDENCE

No correspondence this quarter.

CURRENT QUARTER 2004 ACTIVITIES

December 1, 2004: TRC performed groundwater monitoring and sampling. Wastewater generated from well purging and equipment cleaning was stored at TRC's groundwater monitoring facility in Concord, California, and transported by Onyx to the ConocoPhillips Refinery in Rodeo, California, for treatment and disposal.

NEXT QUARTER 2005 ACTIVITIES

Submit site for no further action pending agency discussion, concurrence with site direction, and submittal of appropriate supporting documentation. If no further action is not approved discussions will proceed with the agency to determine site path forward.

During agency review of closure request, semiannual monitoring and sampling will continue, to provide additional data on plume stability and concentration trends at key wells.

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If you have any questions regarding this report, please call me at (925) 688-2466.

Sincerely,

TRC

Handwritten signature of Roger Batra in black ink.

Roger Batra
Senior Project Manager

cc: Shelby Lathrop, ConocoPhillips (electronic upload)

20-258



Shaw™ Shaw Environmental, Inc.

4005 Port Chicago Hwy
Concord, California 94520

Mr. Robert Schultz
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Report Transmittal
Quarterly Report
Fourth Quarter – 2004
76 Service Station #6034
4700 First Street
Livermore, CA**

Alameda County
Environmental Health
MAR 09 2005
Alameda County
Environmental Health
MAR 03 2005

Dear Mr. Schultz:

I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please call me at (916) 558-7609.

Sincerely,

Shelby Suzanne Lathrop
Project Manager
Shaw Environmental, Inc.
Approved service provider of ConocoPhillips -Risk Management & Remediation
Cell: 707-592-1146

Client Contact Information:
ConocoPhillips
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Attachment
cc: Liz Sewell, ConocoPhillips