ConocoPhillips
76 Broadway
Sacramento, California 95818

January 31, 2006

Mr. Don Hwang
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Report Transmittal**
Quarterly Report
Fourth Quarter – 2005
76 Service Station #3135
845 66th Avenue
Oakland, CA

Dear Mr. Hwang:

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 contact

Shelby S. Lathrop (Contractor)
ConocoPhillips
Risk Management & Remediation
76 Broadway
Sacramento, CA 95818
Phone: 916-558-7609
Fax: 916-558-7639

Sincerely,

Thomas Kosel
Risk Management & Remediation

Attachment

TRC

Customer-Focused Solutions

January 31, 2006 TRC Project No. 42013806

Mr. Don Hwang
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502-6577

RE: Quarterly Status Report - Fourth Quarter 2005
76 Station #3135, 845 66th Avenue, Oakland, California
Alameda County

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the Fourth Quarter 2005 Status Report for the subject site located on the northwest corner of San Leandro Street and 66th Avenue in Oakland, California. Station facilities currently include two gasoline underground storage tanks (USTs), a 550-gallon waste oil UST, three dispenser islands under canopies, and a service station building. The product dispensers utilize a balanced vapor recovery system.

PREVIOUS ASSESSMENTS

Historical data indicate that the site has been a service station since 1947. Renovation of the site first occurred in 1967, when the size of the site expanded to its current configuration.

1989: Two 10,000-gallon gasoline USTs, one 280-gallon waste oil UST and product piping were removed from the site. Confirmation soil samples collected from the UST pit indicated low residual maximum concentrations of Total Petroleum Hydrocarbons as gasoline (TPH-g), benzene, and Total Oil and Grease (TOG). After confirmation soil sampling, approximately 5,000 gallons of groundwater was removed from the UST pit and disposed offsite. A groundwater sample was collected and analyzed after recharge of the UST pit and contained TPH-g at 7,900 parts per billion (ppb) and benzene at 850 ppb. Confirmation soil samples collected from the product piping trench indicated low maximum residual concentrations of TPH-g and benzene.

April 1990: Two shallow soil borings were advanced and three groundwater monitoring wells were installed to depths of approximately 22 feet below ground surface (bgs).

August 1990: Three groundwater-monitoring wells (MW-4 through MW-6) were installed.

January 1991: A hydropunch survey was performed at the site.

1590 Solano Way, Suite A • Concord, California 94520
Telephone 925-688-1200 • Fax 925-688-0388

March 1991: The pre-1967 UST pit was over-excavated, and two concrete slabs were removed from depths of approximately 8.5 and 10 feet bgs. Approximately 2,000 cubic yards of impacted soil was removed from the site and properly disposed. Over-excavation was limited by existing product piping. Confirmation soil samples from the former UST pit indicated low to moderate residual concentrations of TPH-g. Approximately 20,000 gallons of groundwater were pumped from the former UST pit prior to backfilling and properly disposed.

September 1992: Three groundwater monitoring wells were installed in the streets adjacent to the site.

April 1993: One groundwater monitoring well was installed at the site.

August 1998: Oxygen Releasing Compound (ORC) was installed in monitoring well MW-6 to assist with biological attenuation of hydrocarbon compounds. Starting in 1999, the following bio-attenuation parameters have been measured at the site: nitrate, sulfate, ferrous iron, dissolved oxygen, and, oxidation-reduction potential. According to Gettler-Ryan, Inc.'s (GR) Annual Monitoring and Sampling Report dated April 19, 2001, review of these parameters indicates that bio-attenuation is occurring at the site.

July 2001: One offsite well boring was installed to a depth of 20 feet bgs.

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

SENSITIVE RECEPTORS

A sensitive receptor survey is currently being prepared for the site.

MONITORING AND SAMPLING

Groundwater monitoring and sampling has been ongoing at the site since 1990. Historical groundwater flow directions have varied from northeast, northwest, southwest and southeast. A graph of historical groundwater flow directions was prepared by GR as part of the *Site Conceptual Model*, dated May 19, 2000.

Currently, seven onsite and four offsite wells are monitored semi-annually. No wells were gauged or sampled this quarter.

CHARACTERIZATION STATUS

The site is monitored and sampled semi-annually. The next monitoring and sampling event is scheduled for the first quarter 2006.

REMEDIATION STATUS

March 1991: The pre-1967 UST pit was over-excavated. Approximately 2,000 cubic yards of impacted soil was removed from the site and properly disposed offsite. Approximately 20,000 gallons of groundwater were pumped from the former UST pit prior to backfilling and properly disposed offsite.

Remediation is not currently being conducted at the site.

RECENT CORRESPONDENCE

January 12, 2006: TRC submitted a Site Conceptual Model (SCM), per ACHCS guidelines, including a Tier II Risk Based Corrective Action (RBCA) evaluation to the ACHCS. The SCM and Tier II RBCA was submitted to determine site requirements for closure as the property is being redeveloped.

CURRENT QUARTER ACTIVITIES

No gauging or sampling was performed this quarter.

CONCLUSIONS AND RECOMMENDATIONS

TRC will complete a sensitive receptor survey (SRS) to identify any potential receptors within the vicinity of the site. TRC will submit a revised SCM with the attached SRS upon completion. Based on the results of the SRS, TRC may need to update the previously submitted Tier II RBCA.

TRC recommends continuing semi-annual monitoring and sampling to assess plume stability and concentration trends at key wells.

If you have any questions regarding this report, please call me at (925) 688-2488.

Sincerely,
TRC

Keith Woodburne, P.G.
Senior Project Geologist

cc: Shelby Lathrop, ConocoPhillips (electronic upload only)