



76 Broadway
Sacramento, California 95818

May 16, 2006

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

Re: **Report Transmittal**
Quarterly Summary Report
First Quarter 2006
76 Service Station 5760
376 Lewelling Boulevard
San Lorenzo, 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

RECEIVED

1:43 pm, Jul 23, 2008

Alameda County
Environmental Health



Solving environment-related business problems worldwide

www.deltaenv.com

3164 Gold Camp Drive • Suite 200
Rancho Cordova, California 95670 USA

916.638.2085 800.477.7411
Fax 916.638.8385

May 16, 2006

Mr. Donald Hwang
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Quarterly Summary Report – First Quarter 2006
Delta Project No. C105760081

Dear Mr. Hwang:

On behalf of ConocoPhillips (COP), Delta Environmental Consultants, Inc. (Delta) is forwarding the quarterly summary report for the following location:

Service Station

76 Service Station No. 5760

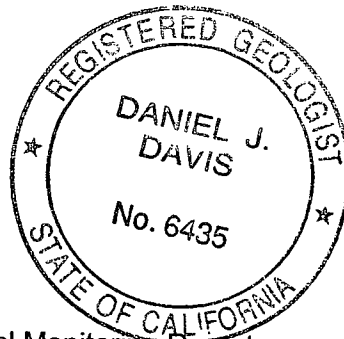
Location

376 Lewelling Boulevard
San Lorenzo, California

Sincerely,
Delta Environmental Consultants, Inc.

Ben Wright
Staff Geologist

Daniel J. Davis, R.G.
Senior Project Manager



Forward: TRC – Semi-annual Monitoring Report

cc: Ms. Shelby Lathrop, ConocoPhillips (electronic copy)

A member of:



QUARTERLY SUMMARY REPORT
First Quarter 2006
76 Service Station No. 5760
376 Lewelling Boulevard.
San Lorenzo, California

PREVIOUS ASSESSMENT

The underground storage tanks (USTs) were removed and replaced in November 1987. At that time monitoring well U-1 was installed in response to the contamination observed during the UST replacement. Information on the installation of well U-1 is documented in a report *Well Installation* prepared by Woodward-Clyde Consultants dated March 25, 1988.

Three additional monitoring wells (U-2, U-3 and U-4) were installed in August 1990 by GeoStrategies Incorporated (GSI). The installation of these wells is documented in a report *Monitoring Well Installation Report* prepared by GSI dated November 16, 1990.

In March 1992 GSI installed four offsite monitoring wells (U-5 through U-8) to further delineate the groundwater hydrocarbon plume. The installation of these wells is documented in a report *Well Installation Report* prepared by GSI dated June 15, 1992.

An additional offsite well, U-9, was installed by GSI in May 1993. The installation of this well is documented in a report *Well Installation Report* prepared by GSI dated August 9, 1993

In September 1993, twelve borings were drilled as part of a property divestment program. Due to hydrocarbon impacted soils being encountered, three of the borings were converted to vapor extraction wells.

In March 1994, the delineation of hydrocarbon-impacted soils was completed with the installation of two additional soil borings.

Between August 8 and 13, 1994, a soil vapor extraction (SVE) feasibility test was conducted by Pacific Environmental Group (PEG). The results of the test showed SVE to be an applicable technology for removal of petroleum hydrocarbons from soil and groundwater below at site.

In September 1995 a combination SVE and groundwater treatment (GWT) system was constructed at the site. Start-up activities for the GWT system began on October 3, 1995. SVE system start-up and continuous GWT operation began in mid-October 1995. The system continued to operate until February 1997 when it was shut down due to diminishing incremental benefit.

MONITORING AND SAMPLING

Groundwater sampling began in the second quarter 1988. In the first quarter 1990, quarterly monitoring and sampling began and continued at quarterly intervals until March 1996 when the frequency changed to semi-annual. Monitoring well U-2 and U-4 are currently monitored and is not sampled. Groundwater samples are analyzed for total purgeable petroleum hydrocarbons (TPPH), benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tertiary butyl ether (MTBE), and ethanol.

Monitoring and sampling was conducted on January 20, 2006 for monitor wells U-1, U-3, and U-5 through U-9; monitoring only was conducted for wells U-2 and U-4. Offsite wells U-6 and U-7 were covered during street repaving in 1999; however, these wells were accessed September 8, 2005 for monitoring and sampling. Wells U-5, U-8 and U-9 are monitored semi-annually; sampling of these wells is conducted annually during the first quarter event.

REMEDIATION STATUS

In September 1995 a combination SVE and groundwater treatment (GWT) system was constructed at the site. Start-up activities for the GWT system began on October 3, 1995. SVE system start-up and continuous GWT operation began in mid-October 1995. The system continued to operate until February 1997 when it was shut down due to diminishing incremental benefit.

CHARACTERIZATION STATUS

Contamination in soil has been adequately assessed. The groundwater hydrocarbon plume, composed primarily of TPPH and located in the southwest portion of the property, is considered stable. During the January 2006 sampling event the maximum dissolved TPPH concentration was reported at 65,000 micrograms per liter ($\mu\text{g/l}$) in the groundwater sample from well U-1. The maximum benzene and MTBE concentrations were reported at 5.0 $\mu\text{g/l}$ and 2.6 $\mu\text{g/l}$ in the groundwater sample from well U-1.

October 2005 through March 2006

During the most recent groundwater monitoring event, conducted on January 20, 2006, depth to groundwater ranged from 12.33 feet (U-7) to 16.24 feet (U-2) below top of casing (TOC). The groundwater gradient was 0.006 foot per foot (ft/ft) to 0.01 ft/ft and the flow direction was southwest to southeast.

Petroleum Hydrocarbon Concentrations

TPPH was reported in samples from wells U-1 and U-3 at 65,000 $\mu\text{g/l}$ and 7,600 $\mu\text{g/l}$, respectively. Benzene and MTBE was reported in the sample from monitoring well U-1 at concentrations of 5.0 $\mu\text{g/l}$ and 2.6 $\mu\text{g/l}$.

RECENT CORRESPONDENCE

No recent correspondence was documented during this reporting period.

THIS QUARTER ACTIVITIES (First Quarter 2006)

1. TRC conducted the semi-annual monitoring and sampling event at the site.
2. Delta is completing a sensitive receptor survey for the site.

WASTE DISPOSAL SUMMARY

No waste was disposed of from the site during this reporting period.

NEXT QUARTER ACTIVITIES (Second Quarter 2006)

1. A sensitive receptor survey will be completed and submitted to Alameda County and site path to closure will be determined.

CONSULTANT: Delta Environmental Consultants, Inc.