ConocoPhillips

76 Broadway
Sacramento, California 95818

RECEIVED
By lopprojectop at 11:44 am, May 18, 2006

May 11, 2006

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

Re: **Report Transmittal**
Quarterly Report – First Quarter 2006
76 Service Station #5367
500 Bancroft Avenue
San Leandro, 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

Delta
Environmental
Consultants, Inc.

Solving environment-related business problems worldwide

www.deltaenv.com

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Rancho Cordova, California 95670 USA

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Fax 916.638.8385

RECEIVED
By lopprojectop at 11:44 am, May 18, 2006

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. C105367081

Dear Mr. Hwang:

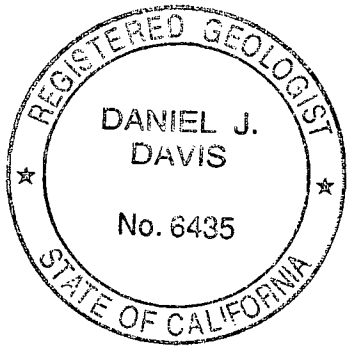
On behalf of ConocoPhillips (COP), Delta Environmental Consultants, Inc. (Delta) is forwarding the quarterly summary report for the following location:

Service Station	**Location**
76 Service Station No. 5367	500 Bancroft Avenue San Leandro, 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)

QUARTERLY SUMMARY REPORT
First Quarter 2006
76 Service Station No. 5367
500 Bancroft Avenue
San Leandro, California

PREVIOUS ASSESSMENT

In 1987 the underground storage tanks (USTs) and their associated piping were replaced. In conjunction with the removal of the USTs and piping, more than 250 cubic yards of contaminated soil was also removed. The limited environmental investigation in 1987 included the drilling of one borehole and the construction of onsite groundwater monitoring well MW-1. This investigation revealed that floating gasoline product was present on the groundwater beneath the site. Approximately one-quarter inch of clear gasoline product was measured at the time of completion of the monitoring well. Approximately 120 pounds of free product was removed by bailing. The results of this activity are documented in a report titled *Subsurface Environmental Investigation Report* prepared by Applied Geosystems dated December 16, 1987.

During September and October, 1988 additional assessment was performed. This investigation included drilling and installing three additional onsite groundwater monitoring wells, MW-2 through MW-4. The investigation showed that soil contamination appears limited to a zone west and south of the tank pit between depths 30 and 36 feet below ground surface (bgs). The results of this investigation are documented in a report titled *Subsurface Environmental Investigation Report* prepared by Applied Geosystems dated November 18, 1988.

In February 1990 four additional groundwater monitoring wells, MW-5 through MW-8, were installed. Monitor well MW-5 was installed onsite, and wells MW-6 through MW-8 were installed offsite. The results of this and previous investigations show the presence of petroleum hydrocarbons beneath the site and offsite toward the southwest, i.e., toward monitor well MW-8. Hydrocarbons in the soil and groundwater have been delineated east of the USTs and west of the site. Additional work may be needed to delineate hydrocarbons in groundwater north, southwest and south of the site. The results of this investigation are documented in a report titled *Supplemental Subsurface Investigation* prepared by Applied Geosystems dated August 10, 1990.

Between mid-1994 and mid-1995 two additional monitoring wells, MW-9 and MW-10, were installed west and south of the site, respectively, and added to the monitoring and sampling program.

Between March 1996 and March 1997, soil vapor extraction (SVE) and groundwater extraction systems operated at the site. During this time the systems processed 637,151 gallons of water. An estimated 180 pounds of total petroleum hydrocarbons as gasoline (TPH-G) was removed by the SVE system and 108 pounds of TPH-G was removed by the groundwater extraction system.

In November 1998 the product piping was replaced and approximately 30 cubic yards of soil was removed. Spill containment sumps and electronic leak detection was also

installed at this time. This activity is documented in a report titled *Product Piping Removal Activities* prepared by Pacific Environmental Group (PEG) dated December 2, 1998.

SENSITIVE RECEPTOR SURVEY

A record search completed in 1990 indicated at least 15 wells are within one-half mile of the site. Five of the wells are downgradient and within approximately 600 feet of the site. One well is used for irrigation, one is abandoned, and records regarding the status of the other wells were not available at the time of the record search. No municipal wells were identified within one-half mile of the site. The nearest water-supply wells are located approximately 400 feet southwest of the site. This information is documented in a report titled *Supplemental Subsurface Investigation* prepared by Applied Geosystems dated August 10, 1990.

MONITORING AND SAMPLING

Currently there are ten monitoring wells, five onsite and five offsite, in the monitoring and sampling program. The site has been monitored and sampled semi-annually since March 1996. Between 1991 and 1996, the sampling interval was primarily quarterly.

REMEDIATION STATUS

In 1987, as part of a UST and associated piping replacement, more than 250 cubic yards of impacted soil was removed. Approximately 120 pounds of free product was removed by bailing from MW-1.

Between March 1996 and March 1997 a SVE system and a groundwater extraction system operated at the site. During this time, the systems processed 637,151 gallons of water. An estimated 180 pounds of TPH-G was removed by the SVE system and 108 pounds of TPH-G was removed by the groundwater extraction system.

In November 1998, approximately 30 cubic yards of soil was over-excavated and removed from the site during the replacement of product piping.

CHARACTERIZATION STATUS

The extent of hydrocarbon impact in soil beneath the site has been assessed. Residual hydrocarbon contamination appears to be limited to the west and south of the tank pit, in the zone between 30 and 36 feet below ground surface (bgs). The extent of hydrocarbons in groundwater is well delineated. The residual dissolved hydrocarbon plume beneath the site is stable and has declined significantly since 1993.

<u>October 2005 Through March 2006</u>

Each of the ten monitoring wells was monitored and sampled on March 27, 2006.

Depth to groundwater ranged from 20.75 feet (MW-9) to 22.72 feet (MW-10) below top of casing (TOC). The groundwater gradient increased to 0.02 foot per foot (ft/ft) from 0.01 ft/ft in September 2005 and the groundwater flow direction remained to the west.

Petroleum Hydrocarbon Concentrations

The total purgeable petroleum hydrocarbons (TPPH) concentrations remained relatively consistent with historical concentrations, the highest concentration of 11,000 micrograms per liter (ug/l) being reported in the sample from monitor well MW-1; the TPPH concentrations in MW-1 continue to slowly decline. The TPPH concentrations in the groundwater at the site are steadily declining.

Benzene was present in the groundwater sample from MW-1 at a concentration of 7.6 µg/l. Each of the other sampled wells reported less than the method detection limit of 0.50 µg/l for benzene. The benzene concentrations in the groundwater at the site are steadily declining.

MTBE was not detected above the method detection limit of 0.50 µg/l in any of samples collected.

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 generated the quarter.

NEXT QUARTER ACTIVITIES (Second Quarter 2006)

1. A sensitive receptor survey will be completed and submitted to Alameda County.

CONSULTANT: Delta Environmental Consultants, Inc.