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Alameda County
Environmental Health



76 Broadway
Sacramento, California 95818

May 1, 2007

Mr. Barney Chan
Hazardous Materials Specialist
Alameda County Health Care Services
1131 Harbor bay Parkway
Alameda, CA 94502-6577

Re: **Quarterly Report Transmittal
First Quarter – 2007
76 Service Station #6419
6401 Dublin Boulevard
Dublin, Alameda County, CA**

Dear Mr. Chan:

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) 558-7604.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric G. Hetrick".

Eric G. Hetrick
Site Manager
Risk Management & Remediation



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Concord, CA 94520

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April 30, 2007

TRC Project No. 42017014

Mr. Barney Chan
Hazardous Materials Specialist
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

**RE: Quarterly Status Report - First Quarter 2007
76 Service Station #6419, 6401 Dublin Boulevard, Dublin, California
Alameda County**

Dear Mr. Chan:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the First Quarter 2007 Status Report for the subject site, an active service station located on the western corner of Dublin Boulevard and Dougherty Road in Dublin, California. The site is bounded to the southeast by Dublin Boulevard, to the northeast by Dougherty Road, and to the northwest and southwest by a shopping center parking lot. Properties in the immediate site vicinity are commercial, including service stations and retail shopping facilities.

Current aboveground site facilities consist of two dispenser islands, a car wash, and a station building/convenience store. Two 12,000-gallon gasoline underground storage tanks (USTs) are located in the common pit immediately east of the station building.

PREVIOUS ASSESSMENTS

September 1993: Two 10,000-gallon gasoline USTs, one 550-gallon waste oil UST, and the associated product piping were removed from the site with confirmation sampling. Groundwater was observed entering the UST excavation. Concentrations of petroleum hydrocarbons in confirmation soil samples beneath the fuel USTs were non-detect to low. Concentrations of petroleum hydrocarbons and volatile organic compounds (VOCs) in confirmation soil samples beneath the waste oil UST were non-detect to low, and concentrations of metals were considered background levels. Petroleum hydrocarbon and lead concentrations in confirmation soil samples from the dispenser islands were non-detect, and low, respectively. Petroleum hydrocarbon and lead concentrations in confirmation soil samples from the piping trenches were non-detect, and low, respectively.

February 1994: Three onsite monitoring wells were installed.

June 1999: Four onsite monitoring wells were installed to a depth of approximately 19 feet below ground surface (bgs).

November 1999: A four-inch diameter groundwater observation and extraction well (TPW-1) was installed in the gasoline UST pit backfill to allow purging of methyl tertiary butyl ether (MTBE) impacted groundwater.

September 2001: Two offsite monitoring wells were installed to a depth of 20 feet bgs.

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

December 2004: Offsite monitoring wells MW-8 and MW-9 were abandoned due to construction activities planned at those locations by Pin Brothers Fine Homes.

January 12, 2006: Onsite monitoring wells MW-2, MW-4, MW-6, and MW-7 were abandoned at the request of the City of Dublin in anticipation of street widening on both Dougherty Road and Dublin Boulevard.

SENSITIVE RECEPTORS

A sensitive receptor survey has been recently completed and the report is currently being reviewed and those results submitted under separate cover.

MONITORING AND SAMPLING

Three remaining onsite wells are currently monitored semi-annually during the first and third quarters. All three remaining site wells were gauged and sampled this quarter. The groundwater flow direction is toward the west at a calculated hydraulic gradient of 0.01 feet per foot. Historically, groundwater flow at the site is to the southwest. A graph of historical groundwater flow directions is included in this report.

CHARACTERIZATION STATUS

Total petroleum hydrocarbons as gasoline (TPH-g) were detected in two of the three remaining wells sampled at a maximum concentration of 520 micrograms per liter ($\mu\text{g}/\text{l}$) in onsite monitoring well MW-5. Benzene was not detected above laboratory reporting limits in any of the three remaining wells sampled. Methyl tertiary butyl ether (MTBE) was detected in two of the three wells sampled at a maximum concentration of 690 $\mu\text{g}/\text{l}$ in onsite monitoring well MW-5.

REMEDIATION STATUS

September 1993: Approximately 19,000 gallons of groundwater were removed from the UST excavation and properly disposed offsite. A hydrocarbon sheen was observed on the surface of the groundwater in the southwest corner of the excavation. Approximately 850 cubic yards of excavated soil was properly disposed offsite. Two 12,000-gallon and one 520-gallon double-wall glasteel replacement USTs were installed in the same pit.

July 1998: A soil vapor extraction test was conducted. Approximately 0.53 pounds of TPH-g and 6.5 pounds of MTBE (approximately 1 gallon of gasoline/additive) were extracted during the four-day test. The effective radius of influence was thought to be less than 40 feet.

December 1999 through December 2002: Approximately 649,600 gallons of groundwater containing an estimated 130.21 pounds of MTBE were removed from the tank pit observation and extraction well and removed from the site. Batch extractions were ended February 5, 2003, based on asymptotic levels of cumulative pounds of MTBE removed. The purged groundwater was transported to, treated, and disposed of at the ConocoPhillips refinery located in Rodeo, California.

Remediation is not currently being conducted at the site.

RECENT CORRESPONDENCE

No correspondence this quarter.

CURRENT QUARTER ACTIVITIES

March 29, 2007: 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.

CONCLUSIONS AND RECOMMENDATIONS


TRC recommends installation of replacement monitoring wells, possibly within the right-of-way along Dougherty Road and Dublin Boulevard. However, additional well installation and offsite plume delineation is currently on hold pending completion of the current road widening project by the City of Dublin. In the interim, TRC will pursue remedial alternatives for addressing onsite soil and groundwater impacts. A work plan for initiation of remediation will be submitted by the end of the second quarter 2007.

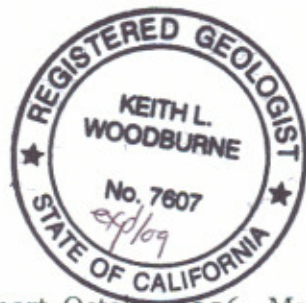
TRC recently completed a sensitive receptor survey (SRS) and a review of historical groundwater monitoring data from the Former BP Station #11120 located at 6400 Dublin Road. A report containing the results of the SRS and the file review is currently being reviewed the those results will be submitted under separate cover.

TRC recommends continuing semi-annual monitoring and sampling of existing site wells to assess plume stability and concentration trends onsite.

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

Sincerely,


Keith Woodburne, P.G.
Senior Project Manager



Attachment:

Semi-Annual Monitoring Report, October 2006 - March 2007 (TRC, April 23, 2007)
Historical Groundwater Flow Directions – September 1994 through March 2007

cc: Eric Hetrick, ConocoPhillips (electronic upload only)



**Historical Groundwater Flow Directions
for Tosco (76) Service Station No. 6419
September 1994 through March 2007**

