



1590 Solano Way
#A
Concord, CA 94520

925.688.1200 PHONE
925.688.0388 FAX

www.TRCSolutions.com

RECEIVED

2:29 pm, Oct 17, 2008

Alameda County
Environmental Health

July 31, 2007

TRC Project No. 126072

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

**RE: Quarterly Status Report - Second 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 Second 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

July 3, 2007: TRC completed a sensitive receptor survey for the site. According to the California Department of Water Resources (DWR) and the Zone 7 Water Agency records, four water supply wells were located within a one-half mile radius of the Site. Three of the wells are listed by the Zone 7 Water Agency as water supply wells and are located approximately 1,940 feet east, 2,175 feet north, and 2,070 feet northwest of the Site. One well is listed by the Zone 7 Water Agency as an abandoned water supply well and is located approximately 2,440 feet west-southwest of the Site.

Three surface water bodies were identified within a one-half mile of the Site. San Ramon Creek is located approximately 2,145 feet northwest of the site, an unnamed canal is located approximately 625 feet southwest of the Site, and Chabot Canal is located approximately 1,650 feet east of the Site.

MONITORING AND SAMPLING

Three remaining onsite wells are currently monitored semi-annually during the first and third quarters. No wells were gauged or sampled this quarter. During the first quarter 2007, the groundwater flow direction was 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

No wells were gauged or sampled this quarter. During the first quarter 2007, 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

July 3, 2007: TRC submitted a Sensitive Receptor Survey and File Review Report for the Site to the Alameda County Health Care Services.

CURRENT QUARTER ACTIVITIES

No gauging or sampling was performed this quarter.

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 third quarter 2007.

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,



Ted Moise
Senior Project Manager



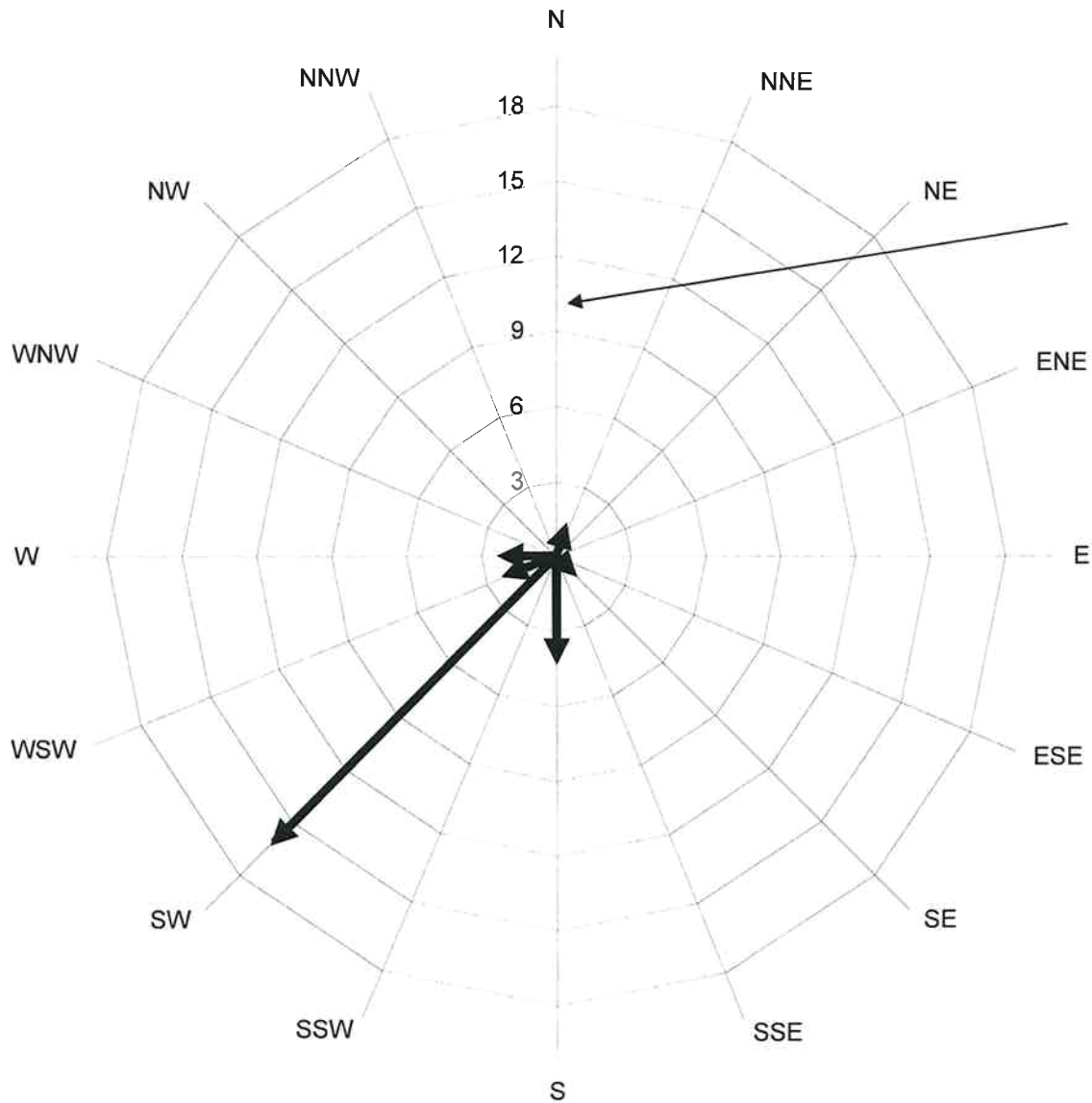
Keith Woodburne, P.G.
Senior Project Manager



Attachment: Historical Groundwater Flow Directions – September 1994 through March 2007

cc: Bill Borgh, ConocoPhillips (electronic upload only)

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



Number of monitoring events in which groundwater was reported to flow in a particular direction.