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Alameda County
Environmental Health

October 31, 2007

Ms. Donna Drogos
Supervising Hazardous Materials Specialist
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Report Transmittal**
Quarterly Status Report – Third Quarter 2007
76 Service Station #3072
2445 Castro Valley Blvd.
Castro Valley, CA

Dear Ms. Drogos:

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 me at (916) 558-7612.

Sincerely,

Bill Borgh
Site Manager – Risk Management and Remediation

Attachment



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October 31, 2007

TRC Project No. 153731

Ms. Donna Drogos
Supervising Hazardous Materials Specialist
Alameda County Health Care Services
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

**RE: Quarterly Status Report - Third Quarter 2007
76 Service Station No 3072, 2445 Castro Valley Boulevard
Castro Valley, California
Alameda County**

Dear Ms. Drogos:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the Third Quarter 2007 Quarterly Status Report for the subject site. The site is an operating service station located on the south corner of the intersection of Castro Valley Boulevard and Strobridge Avenue in Castro Valley California.

PREVIOUS ASSESSMENTS

The subject site is an active service station. Above ground facilities consists of a station building located in the central portion of the site, two service islands in the northwestern portion of the site and one service island in the eastern portion of the site. Three gasoline USTs are located in the northern portion of the site and a tire shop on the west portion of the site. A waste oil UST is located near the station building in the southeast portion of the site.

November 1989 through February 1990: Three 10,000 gallon underground storage tanks (USTs), one 550 gallon waste oil UST, and product piping were removed and replaced. The UST pits were over excavated to remove impacted soil (KEI, 1991).

November 14, 1989: Six soil samples (A1, A2, B1, B2, C1, and C2) were collected from below the fuel USTs and one soil sample (WO1) was collected from below the waste oil UST. Samples from beneath the gasoline USTs contained concentrations of total petroleum hydrocarbons as gasoline (TPH-g) from non-detect to 11 parts per million (ppm) and non-detect concentrations of benzene, toluene, ethylbenzene, and xylenes (BTEX).

Concentrations of total petroleum hydrocarbons as diesel (TPH-d) were non-detect in the sample collected from below the diesel UST. The soil samples collected from beneath the waste oil tank contained reportable concentrations of TPH-g, metals, and 1,1-dichloroethene (1,1-DCE) and were non-detect for all other constituents analyzed (KEI, 1991).

November 16, 1989: Six sidewall soil samples (SW1 through SW6) and a grab water sample were collected from the fuel UST. Samples SW1 and SW4 contained TPH-g concentrations of 140 ppm and 160 ppm, respectively. TPH-d was detected at a concentration of 24 ppm in sample SW4 (KEI, 1991).

December 22, 1989: Eight soil sidewall samples (SW1 (17), SW2 (17), SW7 through SW11, and SW3 (17)) were collected after additional excavation of the UST pits. Maximum reported TPH-g concentrations were 1,500 ppm and 1,900 ppm (KEI, 1991).

January 18 and 19, 1990: Three 2-inch diameter monitoring wells (MW1, MW2, and MW3) were installed onsite (KEI, 1991).

February 14, 1990: Three soil samples (P1, P2, and P3) were collected from the product pipeline trenches. Low to non-detect concentrations of TPH-g and BTEX were detected with a maximum TPH-g concentration of 87 ppm (KEI, 1991).

March 9, 1990: Three sidewall soil samples (SWB, SWC, and SWD) were collected from the sidewalls of the waste oil UST pit. Low to non-detect concentrations of TPH-g and BTEX were detected with a maximum TPH-g concentration of 37 ppm (KEI, 1991).

April 24 and 25, 1990: Eight exploratory soil borings (EB1 through EB8) were drilled and soil sampled collected. The borings were backfilled with neat cement. Low to non-detect concentrations of TPH-g and BTEX were detected with a maximum TPH-g concentration of 5 ppm (KEI, 1991).

August 13, 1990: Two 2-inch monitoring wells (MW4 and MW5) were installed. Soil samples from the monitoring well pilot borings contained non-detect concentrations of TPH-g and BTEX in all samples. Benzene was detected at a maximum concentration of 3.2 ppb (KEI, 1991).

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

January 24, 25 and 31, 2005: TRC conducted a Baseline Site Assessment (TRC, 2005) which involved the advancement of six direct-push borings (SB-1 through SB-6) to assess the presence of hydrocarbon-affected soil and groundwater beneath the site. TPHH was detected in two soil samples at a maximum concentration of 480 milligrams per kilogram (mg/kg) in SB-1 at a depth of 8 fbg. MTBE was detected in two soil samples at a maximum concentration of 0.11 mg/kg in SB-3 at a depth of 18 fbg. MTBE was detected in three of the four grab groundwater samples at a maximum concentration of 87 micrograms per liter ($\mu\text{g/L}$) in boring SB-1.

SENSITIVE RECEPTORS

January 31, 2006: TRC completed a sensitive receptor survey for the site. No wells or water bodies identified during the survey are believed to be near enough to the site or in the direct path of groundwater flow from the site to be considered sensitive receptors.



MONITORING AND SAMPLING

There are no wells currently installed at the site.

CHARACTERIZATION STATUS

Hydrocarbon impacts to groundwater are not fully delineated. A work plan for additional site assessment was submitted in February 2006 to the ACEH for review. Notices of Intent to Proceed were provided in the third and fourth quarter 2006, and first quarter 2007 quarterly status reports. Therefore, in accordance with State of California law, TRC implemented the proposed scope of work on May 2 and 3, 2007.

REMEDIATION STATUS

Remediation is not currently being conducted at the site.

RECENT CORRESPONDENCE

October 11, 2007, TRC submitted the *Hydropunch Groundwater Investigation Report* to the ACEH documenting the field activities and analytical results.

CURRENT QUARTER ACTIVITIES

October 11, 2007, TRC submitted the *Hydropunch Groundwater Investigation Report* to the ACEH documenting field activities and analytical results.

CONCLUSIONS AND RECOMMENDATIONS

TRC implemented the proposed scope of work outlined in the February 14, 2006 work plan, and submitted the *Hydropunch Groundwater Investigation Report* to the ACEH documenting field activities and analytical results on October 11, 2007.

Environmental consulting responsibilities for the Site are being transferred to Delta Consultants. Please direct all future questions regarding the Site to Delta Consultants project manager Daniel Davis at (916) 503-1260. As such, Delta will evaluate the existing site data and provide all future recommendations regarding additional work at the site.

Sincerely,



Keith Woodburne, P.G.
Senior Project Manager



cc: Bill Borgh, ConocoPhillips (electronic upload only)