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Alameda County
Environmental Health

ConocoPhillips

76 Broadway
Sacramento, California 95818

July 13, 2009

Barbara Jakub
Alameda County Health Agency
1131 Harbor Bay parkway, Suite250
Alameda, California 94502-577

Re: **Quarterly Status Report (QSR)—Second Quarter 2009**
76 Service Station # 1028 RO # 02967
5300 Broadway
Oakland, CA

Dear Ms. Jakub,

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) 558-7666.

Sincerely,



Terry L. Grayson
Site Manager
Risk Management & Remediation

July 31, 2009

Ms. Barbara J. Jakub
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

**Re: Quarterly Status Report –
April through June 2009**
76 Service Station No. 1028
5300 Broadway
Oakland, California



Dear Ms. Jakub,

On behalf of ConocoPhillips Company (ConocoPhillips), Delta Consultants (Delta) is submitting this subject report for the above referenced site.

Please contact Tony Perini at (408) 826-1867 if you have questions.

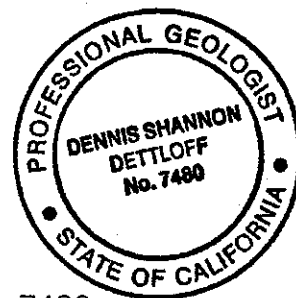
Sincerely,
Delta Consultants

A handwritten signature in black ink, appearing to read "Tony Perini".

Tony Perini,
Senior Project Manager, Remediation Lead

A handwritten signature in black ink, appearing to read "Dennis Dettloff".

Dennis Dettloff, PG
Senior Project Manager
California Registered Professional Geologist No. 7480



cc: Mr. Terry Grayson – ConocoPhillips (electronic copy only)

QUARTERLY STATUS REPORT
April through June 2009

76 Service Station No. 1028
5300 Broadway
Oakland, California

County: Alameda

SITE DESCRIPTION

The subject site is an inactive service station located on the northeast corner of the intersection of Broadway and Broadway Terrace in Oakland, California. Aboveground facilities consist of two dispenser islands and repair shop. Three gasoline underground storage tanks (USTs) share a common pit located in the southwest corner of the property. One waste oil tank is located in front of the station building. The site is bordered to the north and east by residential buildings. Commercial properties are located to the west of the site across Broadway and to the south across Broadway Terrace.

SITE BACKGROUND AND ACTIVITY

1989 - Soil samples were collected following the removal of two fuel USTs, their associated piping, and a waste-oil UST. Ground water was encountered in the tank pit at a depth of approximately 7 to 8 feet. Analytical results from the soil samples showed total petroleum hydrocarbons as gasoline (TPHg) ranging from non-detectable to 22 parts per million (ppm) in the fuel UST excavation and from non-detectable to 5.7 ppm in the waste-oil UST excavation. All TPH as diesel (TPHd) concentrations were less than 10 ppm and all total oil and grease (TOG) concentrations in the waste-oil UST excavation were less than 50 ppm.

1990 - Three two-inch diameter monitoring wells (MW-1 through MW-3) were installed at the site. Analytical results from the soil samples collected from the borings indicated non-detectable concentrations of TPHg. Benzene was reported in the soil samples at concentrations ranging from non-detectable to 0.0066 ppm. Groundwater samples collected from monitoring wells MW-1 and MW-2 indicated non-detectable concentrations of TPHg and benzene, toluene, ethylbenzene, and total xylenes (BTEX). Groundwater samples collected from monitoring well MW-3 indicated TPHg was present at a concentration of 590 parts per billion (ppb) and benzene at 2.5 ppb. TPHd was reported in monitoring well MW-1 at a concentration of 5.4 ppb.

1998 - Product lines and dispensers were removed. Product lines consisted of double-walled fiberglass piping and showed no visible evidence of damage or straining. The piping was removed only in the dispenser area. Laboratory analyses of the soil samples collected adjacent to former dispensers D-1 and D-2 did not report concentrations of residual gasoline hydrocarbons at or above the laboratory's indicated reporting limits except for methyl tertiary-butyl ether (MTBE) at 0.46 milligrams per kilogram (mg/kg). Lead was reported in the sample collected adjacent to dispenser D-1 at 6.4 mg/kg.

2007 - ATC observed the advancement of three soil borings (ATC-2, ATC-4, and ATC-5) in the vicinity of the existing fuel UST's and dispensers. TPHg was reported at

concentrations of 1.4 mg/kg and 5.2 mg/kg in soil samples collected at approximately five feet below ground surface (bgs) in borings ATC-2 and ATC-5, respectively. TPHd was reported in boring ATC-2 at a depth of five feet bgs at a concentration of 23 mg/kg. TPHg was reported at concentrations of 73 micrograms per liter ($\mu\text{g/L}$), 69 $\mu\text{g/L}$, and 5,300 $\mu\text{g/L}$ in groundwater samples collected from ATC-2 (including duplicate B-2) and ATC-5, respectively. TPHd was reported at concentrations of 15,000 $\mu\text{g/L}$, 25,000 $\mu\text{g/L}$, and 18,000 $\mu\text{g/L}$ in groundwater samples collected from ATC-2 (including duplicate B-2) and ATC-5, respectively.

SENSITIVE RECEPTORS

No water supply wells were listed in the California Department of Water Resources database within a half-mile radius of the site.

REMEDIATION STATUS

Active soil and/or groundwater remediation is not currently being conducted at the site.

CHARACTERIZATION STATUS

Current TPHg and TPHd plumes have not been fully assessed.

RECENT CORRESPONDENCE

Delta submitted a work plan addendum in April to the Alameda County Health Care Services Agency.

THIS QUARTER ACTIVITIES (Second Quarter 2009)

- No monitoring and sampling was conducted this quarter.
- Delta completed and submitted a work plan addendum.

NEXT QUARTER ACTIVITIES (Third Quarter 2009)

- Upon receiving regulatory approval, Delta will proceed with the work plan for onsite soil and groundwater investigation.

CONSULTANT: Delta Consultants