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June 15, 2004 TRC Project No. 42016301

Mr.Don Hwang
Alameda County Health Services
1131 Harbor Bay Parkway
Alameda, California 94502-6577

RE: Quarterly Status Report - Fourth Quarter 2003
76 Station #0746, 3943 Broadway, Oakland, California
Alameda County

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the Fourth Quarter 2003 quarterly status report for the subject site, shown on Figure 3.

PREVIOUS ASSESSMENTS

The subject site is situated on the western corner of the intersection of Broadway and 40th Street in Oakland, California. Station facilities include two 12,000-gallon double-wall glasteel gasoline underground storage tanks (USTs) in a common pit, one 520-gallon double-wall glasteel waste oil UST, two dispenser islands, one station building, and a car wash building.

August 1989: Two 10,000-gallon steel gasoline USTs and one 280-gallon steel waste oil UST were removed and replaced with the current USTs. A total of approximately 350 cubic yards of soil was removed from the site during UST removal activities. The confirmatory soil sample was reported as non detect for all constituents. The product piping was also removed. Confirmation soil sampling beneath piping and the waste oil tank indicated low levels of petroleum hydrocarbons detected. During the tank removal activities, approximately 6,500-gallons of groundwater was pumped from the UST cavity. Concentrations of total petroleum hydrocarbons as gasoline (TPH-g) and benzene were reported as 1,200 micrograms per liter (µg/l) and 12 µg/l, respectively.

October 1989: Three monitoring wells were installed at the site to depths ranging from 20 to 22.5 feet below ground surface (bgs).

January 1990: Two additional monitoring wells were installed at the site to a depth of 20 feet bgs.

October 1990: Four additional monitoring wells were installed at and in the vicinity of the site at depths ranging from 20 to 22 feet bgs. Groundwater recovery tests were performed on four wells to determine potential locations for placement of recovery wells.

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January 1992: Two offsite monitoring wells were installed in the vicinity of the site at depths ranging from 19 to 22 feet bgs.

June 1992: One recovery well and one additional offsite monitoring well were installed at the site to depths of 17.5 feet bgs.

February 1998: The product piping and associated dispenser islands were replaced at the site. Four soil samples were collected from beneath the dispenser islands. Petroleum hydrocarbons were reported at low to moderate levels. A total of 30.20 tons of stockpiled soil was transported from the site to the Forward Inc. Landfill in Stockton, California.

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

SENSITIVE RECEPTORS

A sensitive receptor survey has not been performed for this site.

MONITORING AND SAMPLING

Currently, eight onsite and five offsite groundwater wells are monitored semiannually. Ten wells were sampled this quarter. The groundwater gradient and flow direction were 0.025 foot/foot to the southwest.

REMEDIATION STATUS

In 1989, approximately 350 cubic yards of soil was removed from the site during UST removal activities. During the tank removal activities, approximately 6,500-gallons of groundwater was pumped from the UST cavity.

In 1990, groundwater recovery tests were performed on four wells to determine potential locations for placement of recovery wells.

In 1993, a pilot vapor extraction test was performed at the site on well RW-1. A maximum concentration of 8.6 µg/l TPH-g was reported in the influent vapor stream. The calculated maximum hydrocarbon extraction rate during the test was 0.00049 lbs/hr. Based on the low extraction rate, high groundwater levels, and fine-grained soil beneath the site, vapor extraction was determined to not be a feasible remedial option. Well RW-1 was initially installed to perform a groundwater recovery test, but due to lack of groundwater recharge, the test was not performed.

In 1998, the product piping and associated dispenser islands were replaced at the site. A total of 30.20 tons of stockpiled soil was transported from the site by Denbeste Transportation, Inc. of Windsor, California to the Forward Inc. Landfill in Stockton, California for disposal on March 3, 1998.

CHARACTERIZATION STATUS

Hydrocarbon impacts to groundwater are not fully delineated. The highest offsite concentrations are 690 µg/l total purgeable petroleum hydrocarbons (TPPH), 190 µg/l MTBE, and non detect for benzene.

TPPH were detected in six of ten monitoring wells sampled, with a maximum concentration of 13,000 µg/l in MW-3.

Benzene was detected in one of ten monitoring wells sampled, with a maximum concentration of 11 µg/l in RW-1.

MTBE was detected in six of ten monitoring wells sampled, with a maximum concentration of 530 µg/l in MW-3.

RECENT CORRESPONDENCE

No correspondence this quarter.

CURRENT QUARTER ACTIVITIES

November 4, 2003: 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.

NEXT QUARTER ACTIVITIES

Await agency directives for additional assessment work, if any.

Continue semiannual monitoring and sampling to assess plume stability and concentration trends at key wells.

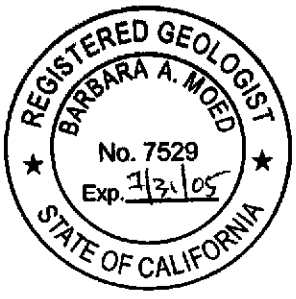
If you have any questions regarding this report, please call Roger Batra at (925) 688-2466.

Sincerely,

TRC

Roger Batra
Senior Project Manager

Barbara Moed, R.G.
Senior Project Geologist



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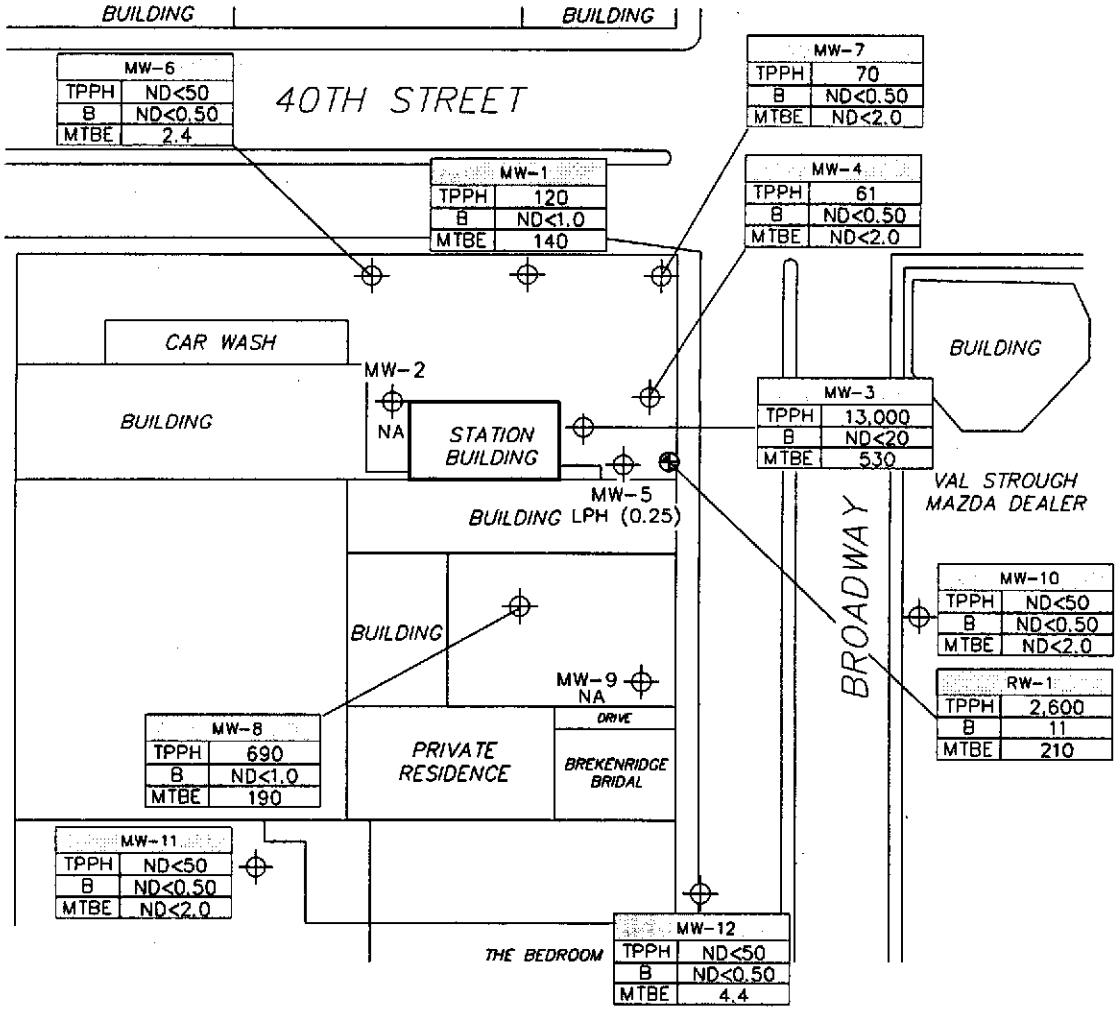
Attachment:

Figure 3 – Dissolved Phase Hydrocarbon Concentrations Map, November 4, 2003, from Fourth Quarter 2003 Fluid Level Monitoring and Sampling Report, dated January 14, 2004 by TRC.

cc: Thomas Kosel, ConocoPhillips (hard copy and electronic upload)



LEGEND

Well No.	
TPPH	µg/l
B	µg/l
MTBE	µg/l

Monitoring Well or Recovery Well with Dissolved-Phase Hydrocarbon Concentrations (µg/l) or LPH Thickness (feet)

NOTES:

TPPH = total purgeable petroleum hydrocarbons. B = benzene. MTBE = methyl tertiary butyl ether. LPH = liquid-phase hydrocarbons. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. NA = not analyzed, measured, or collected. MTBE results obtained using EPA Method 8260B.

DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS MAP
November 4, 2003

76 Station 0746
3943 Broadway
Oakland, California

TRC

SCALE (FEET)
0 80

PS=1:1

FIGURE 3

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