



76 Broadway
Sacramento, California 95818

RECEIVED

By loprojectop at 9:32 am, Feb 06, 2006

January 31, 2006

Mr. Don Hwang
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

**Re: Report Transmittal
Quarterly Report
Fourth Quarter – 2005
76 Service Station #0752
800 Harrison Street
Oakland, CA**

Dear Mr. Hwang:

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

Shelby S. Lathrop (Contractor)
ConocoPhillips
Risk Management & Remediation
76 Broadway
Sacramento, CA 95818
Phone: 916-558-7609
Fax: 916-558-7639

Sincerely,

Thomas Kosel
Risk Management & Remediation

Attachment



Customer-Focused Solutions

January 31, 2006

TRC Project No. 42016203

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

RECEIVED

By loprojectop at 9:32 am, Feb 06, 2006

**RE: Quarterly Status Report - Fourth Quarter 2005
76 Service Station #0752, 800 Harrison Street, Oakland, California
Alameda County**

Dear Mr. Hwang:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the Fourth Quarter 2005 Status Report for the subject site. The subject site is a 76 service station located northeast and across 8th Street from a Shell service station that is located adjacent to and northeast of a currently closed Arco service station. In addition, a gasoline and diesel service station referred to as "Mandarin Auto Service" is located east-southeast of the site.

PREVIOUS ASSESSMENTS

November 1990: Kaprealian Engineering, Inc.'s (KEI) initial fieldwork was conducted when two underground gasoline storage tanks (USTs) and a waste oil tank were removed from the site. The tanks were made of steel, and no apparent holes or cracks were observed in the fuel tanks; however, a 1/8 inch square hole was observed in the waste oil tank. KEI collected an additional soil sample from the fuel tank pit at a depth of approximately 19 feet below ground surface (bgs).

December 1990: KEI returned to the site to collect soil samples from beneath the pump islands. KEI returned to the site in order to collect a sample from the pump island excavation.

January 1991: At the request of the Alameda County Health Care Services (ACHCS), KEI returned to the site in order to collect one additional soil sample from the waste oil tank pit. After sampling, the waste oil tank pit was excavated to the sample depth of 9.5 feet bgs.

May 1991: Three monitoring wells and two exploratory borings were installed at the site. The monitoring wells were drilled and completed to total depths ranging from 33 to 35 feet bgs. The exploratory borings were each drilled to total depths of 23 feet bgs. Groundwater was encountered at depths ranging from about 22.5 to 24 feet bgs during drilling. Based on the analytical results, a monthly groundwater monitoring and quarterly groundwater-sampling program was implemented.

September-October 1992: Three additional monitoring wells were installed to further delineate the extent of groundwater contamination. These wells were drilled to total depths ranging from 32 to 33 feet bgs. Groundwater was encountered at depths ranging from 21.5 to 23 feet bgs.

April 1993: Two additional monitoring wells were installed in the vicinity of the site. These monitoring wells were drilled to a total depth of 31 to 33 feet bgs. Groundwater was encountered at depths of 21 to 21.5 feet bgs. Based on the analytical results of all of the soil samples collected, KEI concluded that the horizontal extent of the soil contamination at the site had been defined, and that the contamination was limited to the areas beneath the fuel tanks and the southernmost pump island. Based on the groundwater monitoring data collected and evaluated through April of 1993, the groundwater flow direction had been consistently to the southwest or south-southwest. In addition, no free product or sheen had been detected in any well through April of 1993. KEI recommended quarterly monitoring frequency.

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

SENSITIVE RECEPTORS

Lake Merritt and the Oakland Estuary are located approximately 0.5 miles from the site.

MONITORING AND SAMPLING

Currently, eight wells are monitored and sampled semi-annually. No wells were gauged or sampled this quarter.

CHARACTERIZATION STATUS

The site is monitored and sampled semi-annually. The next monitoring and sampling event is scheduled for the first quarter 2006.

REMEDIATION STATUS

Remediation is not currently being conducted at the site.

RECENT CORRESPONDENCE

October 19, 2005: TRC and ConocoPhillips attended a meeting at the ACHCS to discuss site prioritization. TRC discussed the findings of a recent file review on the former Shell station located immediately south of the site and determined a path forward regarding additional assessment and site characterization.

January 6, 2006: TRC received a letter from the ACHCS requesting a work plan for interim remediation and a work plan for evaluating low flow groundwater sampling methods.

CURRENT QUARTER ACTIVITIES

No gauging or sampling was performed this quarter.

CONCLUSIONS AND RECOMMENDATIONS

TRC is currently preparing a Site Conceptual Model (SCM), per ACHCS guidelines. TRC will also prepare a revised work plan for additional soil and groundwater assessment and interim remediation that incorporates information obtained in preparation of the SCM.

As requested in the January 6, 2005 ACHCS response letter, TRC will prepare a work plan for evaluation of low flow sampling methods to address ACHCS concerns regarding groundwater data quality and consistency.

TRC recommends continuing semi-annual monitoring and sampling to assess plume stability and concentration trends at key wells.

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

Sincerely,
TRC



Keith Woodburne, P.G.
Senior Project Geologist



cc: Shelby Lathrop, ConocoPhillips (electronic upload only)