



Customer-Focused Solutions

July 30, 2004

TRC Project No. 42016201

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

**RE: Quarterly Status Report - Second Quarter 2004**  
**76 Service Station #0752, 800 Harrison Street, Oakland, California**  
**Alameda County**

RECEIVED  
AUG 08 2004  
ALAMEDA COUNTY HEALTH SERVICES

Dear Mr. Chan:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC is submitting the Second Quarter 2004 Quarterly Status Report for the subject site.

#### PREVIOUS ASSESSMENTS

The subject site contains a 76 service station. The site is 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 76 service station.

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, one 1/8th-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 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 third quarter of 2004.

### **REMEDIATION STATUS**

Remediation is not currently being conducted at the site.

### **RECENT CORRESPONDENCE**

No correspondence this quarter.

### **CURRENT QUARTER ACTIVITIES**

No gauging or sampling was performed this quarter.

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### NEXT QUARTER ACTIVITIES

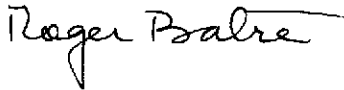
Await agency directives for additional assessment work, if any.

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

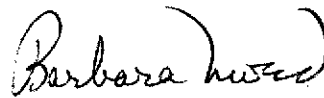
If you have any questions regarding this report, please call Roger Batra at (925) 688-2466.

Sincerely,

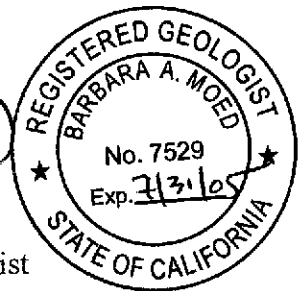
TRC



Roger Batra  
Senior Project Manager



Barbara Moed, R.G.  
Senior Project Geologist



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