ConocoPhillips
76 Broadway
Sacramento, California 95818

October 29, 2009

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

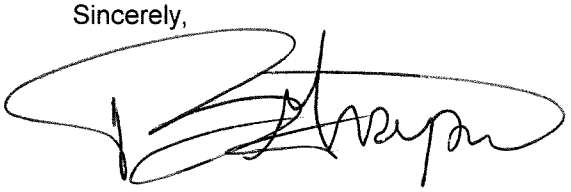
Re: ***Quarterly Summary Report—Third Quarter 2009***
76 Service Station # 3737 RO 067
1400 Powell Street
Emeryville, CA

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

October 27, 2009

Ms. Barbara J. Jakub
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Re: Quarterly Summary Report – Third Quarter 2009
76 Service Station No. 3737
1400 Powell St
Emeryville, California
RO# 0067

DELTA

Dear Ms. Jakub,

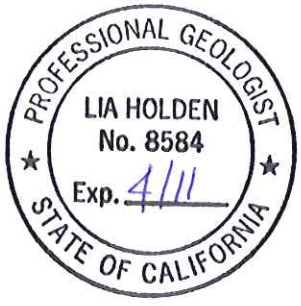
On behalf of ConocoPhillips Company (COP), Delta Consultants (Delta) is submitting this quarterly summary report for the following site:

Service Station	**Location**
ConocoPhillips Station #3737	1400 Powell Street Emeryville, California

Sincerely,
Delta Consultants

Evan Chantikian
Senior Staff Geologist

Lia Holden, PG #8584
Geologist - Project Manager



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

a member of: Inogen Environmental Alliance

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QUARTERLY SUMMARY REPORT
Third Quarter 2009

SITE DESCRIPTION

The site is located at 1400 Powell Street, Emeryville, California and is currently an active service station. Properties in the immediate site vicinity are predominantly residential and commercial. Local topography is generally flat with an average site elevation of approximately 15 feet above mean sea level (MSL). Site soils consist of interbedded silts, lean clays, and gravely and sandy clays. Groundwater beneath the site is encountered at approximately six to ten below grade (fbg).

SITE BACKGROUND AND ACTIVITY

Between 1917 and 1964 Union Oil Company of California operated a Distribution Plant that was bounded by Powell Street to the south, 59th Street to the north, Peladeau Street to the west, and Hollis Street to the east. This distribution facility contained numerous above ground and underground storage tanks (ASTs and USTs), a garage along Hollis Street and an auto repair shop along Peladeau Street (Treadwell & Rollo, 2007). The entire gasoline service station was constructed on what was Union Oil Company of California Distribution Plant property. On the portion of the former Distribution Plant that the Subject site currently occupies, there were a total of eight ASTs containing oil and gasoline on the west side, and an oil warehouse, oil pump, and asphalt staging area on the east side. The eight former ASTs located on the western portion of the Site had a combined storage capacity of 624,000 gallons, and were installed within the former berm. The lateral extent of this former bermed area includes the location of the three existing USTs as well as a majority of the existing underground piping and dispensers currently at the site. According to Treadwell & Rollo's Site Management Completion report for 5885 Hollis Street, Emeryville, dated January 5, 2007, elevated levels of hydrocarbons were observed in soils of the Emeryville Industrial Court, now Emerystation East, the property located north of the subject site, soil samples collected from soil borings TR-25 and TR-28, located approximately 5 feet north of the Site's northern property line, contained maximum concentrations of 2,100 milligrams per kilogram *(mg/kg)* of total petroleum hydrocarbons as gasoline (TPH-G) and 280 *mg/kg* of total petroleum hydrocarbons as motor oil (TPH-MO), respectively, at 6 fbg. A grab groundwater sample collected from TR-25 contained 150,000 micrograms per liter *(ug/L)* TPH-G and 2,500 *ug/L* benzene. The entire Emerystation East property was excavated to a total depth of approximately 12 to 15 fbg to prepare the foundation of the building that currently occupies the site. Confirmation soil samples collected in the area just to the north of the Subject site on the Emerystation East property indicated that TPH-G and TPH-MO were detected at maximum concentrations of 10 *mg/kg* and 6.0 *mg/kg,* respectively. During the excavation of the foundation for the Emerystation East building, three dewatering wells were installed and sampled on a weekly basis. Dewatering well DW-14, located in the southwestern corner of the property, had high levels of TPH-G, total petroleum hydrocarbons as diesel (TPH-d), and benzene, toluene, ethyl benzene, and total xylenes (BTEX) throughout the course of the excavation work. The maximum concentrations of TPH-G and TPH-d detected in extracted groundwater were 1,800 ug/L and 370 ug/L, respectively (Treadwell & Rollo, 2007).

August 11, 1993: GeoStrategies oversaw the removal of an Oil-Water separator.

September 10, 1997: A soil gas survey was conducted by Pacific Environmental Group Inc.

May 7, 1999: Under the supervision of TRC, Norman and Norman completed the removal of product piping associated with the former fuel dispenser islands. Immediately following the

piping removal soil samples D-I, D-2, PL-I, PL-2, PL-3, and PL-4 were collected at selected points along the former product line trench and at the former dispenser islands, at depths ranging from 1.5 to 4.0 fbg. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-G), total petroleum hydrocarbons as diesel (TPH-D), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) by EPA Methods *8015/8020.*

May 11, 1999: Norman and Norman under the supervision of TRC and Robert Weston with Alameda County Environmental Health Services, over excavated soil from below the former northwest dispenser and product piping. Approximately six cubic yards of soil was removed. Soil sample PL-2 was collected from below the excavation, at a depth of 4 fbg. In addition, a groundwater sample (TCW-I) was collected and analyzed for TPH-G, TPH-D, BTEX, and MTBE by EPA Methods *8015/8020.*

May 24, 1999: One single-walled 550-gallon steel waste oil UST, located west of the station building was removed under the direction of Susan Hugo with ACHCS and supervision of TRC. Soil samples WO-4 through WO-7 and WO-I were collected from the bottom and sidewalls of the excavation at depths of 7.5 and 10 fbg and analyzed for TPH-G, TPH-D, total petroleum hydrocarbons as motor oil (TPH-MO), BTEX, and MTBE.

November 6, 2007: Site transferred to Delta Consultants.

July 2009: Delta oversaw the advancement of CPT borings CPT-1 through CPT-7 to depths of approximately 60 fbg. Details of this investigation are presented in Delta's *Report of CPT Delineation of Fuel Hydrocarbon Affected Soil and Groundwater*, dated August 18, 2009.

SENSITIVE RECEPTORS

A receptor survey has not been conducted.

GROUNDWATER MONITORING AND SAMPLING

This site currently has no monitoring and sampling program.

REMEDIATION STATUS

Remediation is not currently conducted at this site.

CONCLUSIONS AND RECOMMENDATIONS

Delta recently conducted a site assessment using cone penetrometer test (CPT) equipment. The *Report of CPT Delineation of Fuel Hydrocarbon Affected Soil and Groundwater*, dated August 18, 2009, concluded that contaminants of concern are present at low to moderate concentrations in the northeastern portion of the site, and at lesser concentrations in the southwestern portion of the site. From this investigation, Delta reported that the extent of dissolved phase petroleum hydrocarbon plume was not fully defined, and the groundwater flow direction needed to be established.

Delta recommends the installation of groundwater monitoring wells to determine current constituent concentrations in groundwater and establish groundwater flow direction beneath the site. Delta will prepare and submit a work plan detailing the proposed scope of activities. Additionally, a sensitive receptor survey has not been conducted to identify

potential receptors (water production wells and water bodies) within a 1/2-mile radius of the site. **Delta recommends the completion of a receptor survey.**

RECENT CORRESPONDENCE

The ACEH issued a letter dated July 24, 2009 requesting that, for sites on a quarterly monitoring schedule, groundwater monitoring and sampling be reduced to a semi-annual, unless site specific needs warrant otherwise. Currently, wells do not exist at this site, therefore the sampling reduction notification is not applicable.

THIS QUARTER ACTIVITIES (Third Quarter 2009)

- Groundwater monitoring and sampling was not conducted.
- Delta conducted a soil and groundwater investigation and prepared and submitted the *Report of CPT Delineation of Fuel Hydrocarbon Affected Soil and Groundwater*, dated August 18, 2009

NEXT QUARTER ACTIVITIES (Fourth Quarter 2009)

- No monitoring and sampling program is scheduled.
- Delta will prepare and submit a well installation work plan
- Delta to complete a sensitive receptor survey to identify municipal, agricultural and domestic wells within a one-half mile radius of the Site.

REMARKS

The descriptions, conclusions, and recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. For any reports cited that were not generated by Delta, the data from those reports is used "as is" and is assumed to be accurate. Delta does not guarantee the accuracy of this data for the referenced work performed nor the inferences or conclusions stated in these reports. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were conducted. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

CONSULTANT: Delta Consultants

REFERENCES:

GeoStrategies, Inc., *Oil/Water Separator Abandonment*, Unocal Service Station No. 3737, 1400 Powell Street, Emeryville, California, August 11, 1993.

Pacific Environmental Group, Inc., *Soil Gas Survey Results*, Unocal Service Station 3737, 1400 Powell Street, Emeryville, California, October 29, 1997.

TRC Alton Geoscience, *Underground Storage Tank Closure Report*, Former Tosco 76 Service Station 3737, 1400 Powell Street, Emeryville, California, August 2, 1999.

Treadwell & Rollo, 2007, Site Management Completion Report, 5885 Hollis Street, Emeryville, California, Janyary 5, 2007.

Delta Consultants, *Report of CPT Delineation of Fuel Hydrocarbon Affected Soil and Groundwater,* 76 Service Station No. 3737, 1400 Powell Street, Emeryville, California, August 18, 2009.