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Sacramento, California 95818

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*By lopprojectop at 11:42 am, May 18, 2006*

April 28, 2006

Mr. Barney Chan  
Alameda County Health Agency  
1131 Harbor Bay Parkway  
Alameda, California 94502

Re: **Report Transmittal  
Quarterly Report  
First Quarter – 2006  
76 Service Station #7176  
7850 Amador Valley Boulevard  
Dublin, California**

Dear Mr. Chan:

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



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**RECEIVED**  
By loprojectop at 11:42 am, May 18, 2006

May 16, 2006

Mr. Barney Chan  
Alameda County Health Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

**Re: Quarterly Summary Report – First Quarter 2006**  
Delta Project No. C107176011

Dear Mr. Chan:

On behalf of ConocoPhillips (COP), Delta Environmental Consultants, Inc. (Delta) is forwarding the quarterly summary report for the following location:

**Service Station**

**Location**

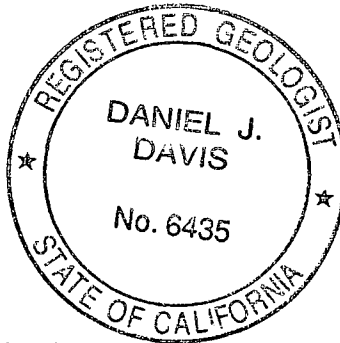
76 Service Station No. 7176

7850 Amador Valley Boulevard.  
Dublin, California

Sincerely,  
**Delta Environmental Consultants, Inc.**

Ben Wright  
Staff Geologist

Daniel J. Davis, R.G.  
Senior Project Manager



Forward: TRC - Quarterly Monitoring Report

cc: Ms. Shelby Lathrop, ConocoPhillips (electronic copy)

**QUARTERLY SUMMARY REPORT**  
**First Quarter 2006**  
**76 Service Station No. 7176**  
**7850 Amador Valley Road**  
**Dublin, California**

**PREVIOUS ASSESSMENT**

November 1994 - Unocal Corporation (Unocal) replaced the fuel underground storage tanks (USTs), removed the used-oil UST and associated product piping, and removed the oil/water separator. No holes or signs of leakage were observed in the fuel USTs, however, eight holes up to 0.5-inches in diameter were observed in the used oil UST.

October 1995 - Six soil borings (B1 through B6) and three onsite monitor wells (U1 through U3) were completed.

March 1998 - Tosco Marketing Company (Tosco, now ConocoPhillips) conducted an off-site soil and groundwater investigation that included the installation of two offsite groundwater monitoring wells (MW4 and MW5).

June 2001 - The *Addendum to Request and Work Plan for Case Closure* was completed.

November 2004 - Four soil borings (SB-1 through SB-4) were completed. The site data is documented in the December 10, 2004 *Limited Phase II Environmental Site Assessment* report. Based on report findings, residual concentrations of total petroleum hydrocarbons as diesel (TPH-D) (7.1 mg/kg) were detected in the vicinity of SB-3. Dissolved hydrocarbon concentrations were detected in each soil boring with the exception of SB-4. Maximum concentrations were detected as follows: TPH-D (1,100 µg/l in SB-1), total petroleum hydrocarbons as gasoline (TPH-G) (9,700 µg/l in SB-3) and methyl tertiary butyl ether (MTBE) (3.0 µg/l in SB-1). Benzene was not detected above the laboratory detection limit of 2.5 µg/l/l.

January 2005 - ATC became the new site lead consultant.

September 2005 - Site environmental consulting responsibilities were transferred to Delta.

**SENSITIVE RECEPTORS**

August 2000 - A *Request and Work Plan for Case Closure* was submitted that presented results of a groundwater receptor survey, risk-based corrective action Tier II analysis and requested environmental closure. No active groundwater production wells were positively identified within the survey radius during the agency and field groundwater receptor surveys.

**GROUNDWATER MONITORING AND SAMPLING**

This site is on a semi-annual monitoring program. During the most recent groundwater monitoring event, conducted on January 6, 2006, depth to groundwater ranged from 14.33 feet (MW-5) to 16.94 feet (U-3) below top of casing (TOC). The groundwater flow

direction was southeast at a gradient of 0.003 ft/ft, consistent with historic events. During the January 2006 sampling event, maximum detectable hydrocarbon concentrations in groundwater samples were as follows: total purgeable petroleum hydrocarbons (TPPH) (2,200 µg/l in U-1), TPH-D (1,200 µg/l in U-1), ethylbenzene (3.1 µg/l in U-1), and MTBE (2.8 µg/l in U-1).

### **REMEDIATION STATUS**

Approximately 5,000 gallons of groundwater were removed from the fuel UST excavation during the 1994 UST replacement activities. A total of 15,511 gallons of groundwater have been removed historically from the site through periodic groundwater purging of the UST cavity. Approximately 1,863 tons of hydrocarbon-impacted soil were excavated and removed from the site during the 1994 UST replacement activities.

### **CHARACTERIZATION STATUS**

Hydrocarbon concentrations in the soil and groundwater are limited to a small area surrounding the UST cavity and dispenser islands. Groundwater beneath the site is delineated with the exception of TPH-G and TPH-D concentrations in MW4. These concentrations have shown a decreasing trend since 2001; however, the TPPH plume is not stable at this time.

### **RECENT CORRESPONDENCE**

No recent correspondence was documented during this reporting period.

### **THIS QUARTER ACTIVITIES (First Quarter 2006)**

1. TRC conducted the semi-annual monitoring and sampling event at the site.

### **WASTE DISPOSAL SUMMARY**

No waste was generated the quarter.

### **NEXT QUARTER ACTIVITIES (Second Quarter 2006)**

1. Discuss site closure requirements and strategy with Alameda County Health Agency.

**CONSULTANT:** Delta Environmental Consultants, Inc.