



76 Broadway  
Sacramento, California 95818

**RECEIVED**

2:15 pm, Jun 10, 2008

Alameda County  
Environmental Health

June 9, 2008

Ms. Barbara Jakub  
Alameda County Health Agency  
1131 Harbor Bay Parkway  
Alameda, California 94502

Re: **Site Status Letter of March 9<sup>th</sup>, 2008**

**76 Service Station #0843  
1629 Webster Street  
Oakland, 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 contact me at (916) 558-7612.

Sincerely,

Bill Borgh  
Site Manager – Risk Management and Remediation

Attachment

March 6, 2008

Ms. Donna Drogos  
Alameda County Health Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

**RE: Site Status Letter  
76 Service Station No. 0843  
1629 Webster Street  
Alameda, California**

Dear, Ms. Drogos:



On behalf of ConocoPhillips (COP) Delta Consultants (Delta) is submitting this Site Status Letter to address current issues at the above referenced site. During the past five quarters (fourth quarter 2006 through the fourth quarter 2007) the total purgeable petroleum hydrocarbon (TPPH) and methyl tertiary butyl ether (MTBE) concentrations in monitoring well MW-1 have increased significantly while the TPPH and MTBE concentrations in the other monitoring wells associated with this site have remained stable or show a declining trend. TPPH concentrations have increased from 220 micrograms per liter ( $\mu\text{g/L}$ ) in the sample collected during the fourth quarter 2006 to 5,700 $\mu\text{g/L}$  in the sample collected during the fourth quarter 2007. In addition, MTBE concentrations have increased from 420 $\mu\text{g/L}$  in the sample collected during the fourth quarter 2006 to 5,400 $\mu\text{g/L}$  in the sample collected during the fourth quarter 2007. However, the laboratory report notes indicate that the TPPH does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE.

Based on the groundwater data collected at this site during quarterly groundwater monitoring activities, the predominate groundwater flow direction is to north-northeast. This indicates that monitoring well MW-1, located along the southern property boundary, is up-gradient of likely on-site sources, the underground storage tanks (USTs) and fuel dispenser islands. Therefore, it appears that the increasing MTBE concentrations found in monitoring well MW-1 are from an up-gradient off-site source. It appears that the MTBE plume is originating from the Shell Service Station located south, up-gradient of the site and migrating onto this site as indicated by the increasing MTBE concentrations found in monitoring well MW-1.

This apparent migration of MTBE from an up-gradient source is troubling and we believe that this issue needs to be addressed as

**Site Status Letter**  
**76 Station No. 0843**

March 6, 2008

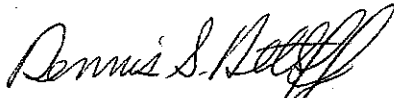
soon as possible.

On January 24, 2007 Delta on behalf of COP submitted a work plan to your office for the advancement of one soil boring in the vicinity of the eastern fuel dispenser island to determine the vertical extent of the petroleum hydrocarbon impact to the soil and groundwater beneath the site and the installation of three ozone injection wells for the purpose of remediation of the petroleum hydrocarbon impact to the groundwater beneath the site and down-gradient of the site. As of today it has been more than one year since the work plan was submitted to your office. Therefore, this letter is being submitted to your office to request your immediate attention to this issue and to request that you please review the work plan previously submitted so that we can proceed with the necessary site investigation and remedial work.

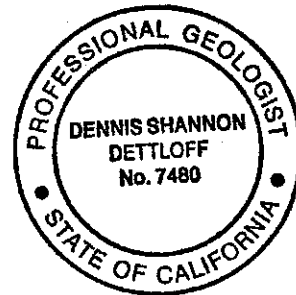
If you have any questions concerning this submittal don't hesitate to contact William Borgh at (916) 558-7612 or myself at (916) 503-1261.

Sincerely,

**DELTA CONSULTANTS**



Dennis S. Dettloff, P.G.  
Senior Project Manger  
California Registered Professional Geologist No. 7480



cc: Mr. William Borgh – ConocoPhillips (electronic copy only)