

# THRIFTY OIL CO.

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Alameda County  
Environmental Health

August 21, 2007

**O.79323**

Mr. Steven Plunkett  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, 2nd Floor  
Alameda, CA 94502

Local #RO0000004  
RWQCB #01-1478

RE: **Former Thrifty Oil Co. Station #049**  
3400 San Pablo Avenue  
Oakland, CA 94612

*Explanation of Fluctuating Dissolved Phase-Hydrocarbon Concentrations*

Dear Mr. Plunkett:

In a letter dated August 7, 2007, you requested that Thrifty Oil Co. (Thrifty) provide an explanation for the inconsistent groundwater monitoring data observed in the analytical results of groundwater samples collected during the first and second quarter of 2007.

Your letter indicated that TPHg concentrations in wells MW-2R and MW4R were elevated significantly in the first quarter 2007. Upon review of the analytical data from the first quarter 2007, Thrifty noted that high TPHg concentrations were also present in well RW-1R. Wells RW-1R, MW2R, and MW-4R are the three wells connected to the upgraded groundwater remediation system which has been operating at the site since June 18, 2004 and effectively remediating the groundwater contamination at the site. On December 13, 2006, the remediation system was shut down while the O&M operator was on vacation and re-started on January 3, 2007 (as reported in the Semi-Annual Groundwater Treatment Report submitted to EBMUD on July 13, 2007). First quarter 2007 groundwater samples were collected just two weeks later on January 17, 2007. Thrifty believes that the significant increase of the concentrations detected in the first quarter 2007 groundwater samples collected from RW-1R, MW2R, and MW-4R was a rebound due to the three week system shut down during the technician's vacation.

Second and third quarter 2007 groundwater analytical results (third quarter provisional results were received on July 20, 2007) indicate groundwater conditions are now more comparable to those concentrations reported prior to the first quarter 2007 (taking into account declining groundwater contamination concentration due to the operation of the groundwater remediation system). TPHg concentrations detected in well MW-2R during the first, second, and third quarters of 2007 were




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117,000, 896, and 2,290 microgram per liter ( $\mu\text{g/L}$ ), respectively. TPHg concentrations detected in well MW-4R during the first, second, and third quarters of 2007 were 211,000, 13,000, and 2,510  $\mu\text{g/L}$ , respectively. TPHg concentrations detected in well RW-1R during the first, second, and third quarters of 2007 were 164,000, 13,000, and 3,930  $\mu\text{g/L}$ , respectively. It is therefore evident that TPHg concentrations have decreased significantly in all three wells since the first quarter 2007 samples were collected.

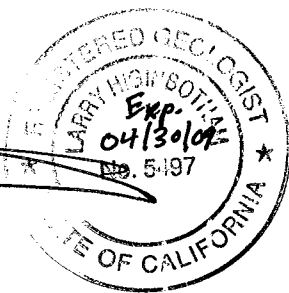
Should you have any questions regarding this report, please contact Simon Tregurtha (x260) or Chris Panaitescu at 562 921-3581 (x390).

Respectfully submitted,

  
Simon Tregurtha  
Project Manager

  
Chris Panaitescu  
General Manager  
Environmental Affairs

  
Larry Higinbotham  
Registered Geologist



cc: BP West Coast Products LLC; Mr. Bobby Lu, P.G.  
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