



ALAMEDA COUNTY  
**HEALTH CARE SERVICES AGENCY**  
 DEPARTMENT OF ENVIRONMENTAL HEALTH  
 1131 Harbor Bay Parkway, Suite 250  
 Alameda, CA 94502-6577

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Mr. Hamid Khatrine  
 c/o Michael D. Liberty

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August 3, 2017

Mr. Farrokh Hosseinvoun  
(Sent via electronic mail to: [farok@fhone.net](mailto:farok@fhone.net))

Mr. Mohammad Pazdel  
1770 Pistacia Court  
Fairfield, CA 94533

Mr. Hamid Khatirine  
c/o Mr. Michael D. Liberty  
3713 Century Drive  
Campbell, CA 95008-3832

Subject: Quarterly Verification Monitoring; Fuel Leak Case No. RO0000473 and GeoTracker Global ID T0600191157, ARCO, 15101 Freedom Avenue, San Leandro, CA 94578

Dear Messrs. Hosseinvoun, Pazdel, and Khatirine:

Alameda County Environmental Health (ACDEH) staff has reviewed the case file including the *Workplan to First Quarter 2017 Groundwater Monitoring and Remediation Progress Report*, dated April 5, 2017, and the *Second Quarter 2017 Groundwater Monitoring and Remediation Progress Report*, dated June 30, 2017. The reports were prepared and submitted on your behalf by SOMA Environmental Engineering, Inc. Thank you for submitting the reports.

The referenced groundwater monitoring reports document quarterly groundwater verification sampling and monitoring of wells at the site in the first half of 2017. Except for wells in the plume core (MW-3 and MPE-2), substantially reduced concentrations were documented in many wells. While this is a very promising contaminant trend, ACDEH is also uncertain if this trend is related to significant source area concentration reductions, or to substantially increased groundwater flow and groundwater elevations beneath the site due to the exceptional winter rains this past wet season, coupled with limited source zone back diffusion from contaminated sediments. This distinction may be important due to the potential for free phase to return to onsite as well as offsite wells with decreasing groundwater elevations.

Therefore, based on the review of the case file ACDEH requests that you address the following technical comments and send us the documents requested below.

#### **TECHNICAL COMMENTS**

- 1. Quarterly Groundwater Monitoring** – In an effort to understand the nature of the groundwater contaminant trend at the site, ACDEH requests continued quarterly groundwater monitoring at the site through the current dry season (third and fourth quarter 2017), until winter rains again affect groundwater levels beneath the site. Please include groundwater hydrographs coupling depth-to-water measurements with contaminant concentrations by sampling event in select important wells. Additionally, please attempt to resample the private water supply well at 1782 Oriole Avenue during the dry season.
- 2. 1782 Oriole Avenue Well** – To better understand the groundwater-bearing zone that this well was installed in, please additionally determine the depth of the well, and the well installation method. Because the well was not known to the state or public works, it is unlikely a well log exists; however, if one does, please attempt to obtain a copy.