

**From:** Roe, Dilan, Env. Health  
**To:** ["carybgrayson@gmail.com"](mailto:carybgrayson@gmail.com)  
**Cc:** ["Kasey Jones"](#)  
**Subject:** Fuel Leak Case No. RO0002862 and GeoTracker Global ID T0600113164, 1310 Houston Place, Dublin - Bay Counties Petroleum  
**Date:** Wednesday, May 02, 2012 4:19:00 PM

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Mr. Grayson:

Subsequent to our telephone conversation on Monday April 30, 2012 regarding the subject site, I received a phone call from Mr. Kasey Jones with Stratus Environmental, Inc., requesting a written confirmation from Alameda County Environmental Health Department with respect to conducting additional post remediation groundwater sampling. Two post-remediation groundwater monitoring events have been conducted subsequent to implementation of the RegenOX Pilot Test in September and November 2010. A review of the results of these two events, as presented in the semi-annual monitoring reports prepared by Stratus entitled "Quarterly Monitoring and Sampling Report – Third Quarter 2011", dated August 17, 2011 and "Quarterly Monitoring and Sampling Report – First Quarter 2012" dated February 17, 2012, indicate that petroleum hydrocarbon concentrations increased in samples collected from four of the five on-site monitoring wells (DW-1, DW-2, DW-3 and DW-5) between the third quarter 2011 and the first quarter 2012 monitoring events, with the most significant rise in concentrations in well DW-3 increasing from 780 ug/L to 9,000 ug/L. ACEH recommends additional post-remediation groundwater sampling to adequately evaluate groundwater concentrations trends, prior to consideration for low-risk closure.

Additionally, I noted changes in the groundwater flow direction over the past several years at the site. The locations of the two off-site downgradient monitoring wells (DW-6 and DW-7) were selected based on a southeasterly groundwater flow direction at the site determined from historic groundwater monitoring data. The purpose of the downgradient wells is to determine the down-gradient extent and magnitude of the TPH-d plume. Subsequent to the installation of the wells in March 2007, a change in groundwater flow direction from south/southeast to west/southwest was reported by AEI for the first time since the commencement of site monitoring. Since that time groundwater flow direction has been reported as towards the west, west-northwest, west-southwest, south-south west, and south-southeast, thus changing the configuration of the wells as upgradient, downgradient and cross-gradient. Please have your consultants address the reasons for the change in groundwater direction and potential downgradient impacts.

Regards,

**Dilan Roe, P.E.**

Hazardous Materials Specialist  
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PDF copies of case files can be reviewed/downloaded at:

<http://www.acgov.org/aceh/lop/ust.htm>

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**From:** Kasey Jones [<mailto:kaseyjones@stratusinc.net>]  
**Sent:** Monday, April 30, 2012 10:34 AM  
**To:** Roe, Dilan, Env. Health  
**Cc:** [carybgrayson@gmail.com](mailto:carybgrayson@gmail.com)  
**Subject:** 1310 Houston Place, Dublin - Bay Counties Petroleum

Dear Ms. Roe,

As we just discussed, Stratus recommends that all of the monitoring wells associated with the subject site be gauged and sampled during the second quarter of 2012. Does the Alameda County Environmental Health Department concur with this recommendation?

Sincerely,

Kasey L. Jones  
Senior Project Manager  
**STRATUS ENVIRONMENTAL, INC.**  
PH (415) 516-0373



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