

Jurek, Anne, Env. Health

From: Jurek, Anne, Env. Health
Sent: Thursday, August 25, 2016 1:10 PM
To: Bradley Hirst; Darrick Sun
Cc: 'Lita Freeman'; Roe, Dilan, Env. Health
Subject: Fuel Leak Case No. RO0003199, 927 Main Street, Pleasanton
Attachments: FTP and GeoTracker requirements.pdf

Dear Brad and Darrick:

Alameda County Department of Environmental Health (ACDEH) is sending this email as a follow-up to our meeting/teleconference today at the our office. During the meeting, we discussed the analytical results of the soil, groundwater, and soil gas investigation that was performed during July 2016 for the above referenced fuel leak case. This investigation was based on a revision of a work plan entitled "Supplemental Site Investigation Work Plan," dated March 31, 2016, which was performed on your behalf by Environmental Risk Assessors. The revision of this work plan was discussed and conditionally approved during a meeting held at ACDEH's office on 6/29/2016.

The results of sampling for the July 2016 investigation showed Total Petroleum Hydrocarbons as gasoline (TPHg), Total Petroleum Hydrocarbons as diesel (TPH-d), Total Petroleum Hydrocarbons as Stoddard Solvent (TPH-ss), and naphthalene in groundwater up to 230 micrograms per liter ($\mu\text{g/L}$), 120 $\mu\text{g/L}$, 940 $\mu\text{g/L}$, and 19 $\mu\text{g/L}$, respectively. In addition, a past investigation performed in 2015 showed elevated TPHg, TPHd, TPHss, and naphthalene up to 1,400 $\mu\text{g/L}$, 1,000 $\mu\text{g/L}$, 1,400 $\mu\text{g/L}$, and 5.3 $\mu\text{g/L}$, respectively.

As discussed during the meeting, groundwater results suggest the possibility of an on-site and/or an off-site source. Although an on-site source cannot be ruled out at this time, it is possible given the distribution of the contaminant as well as the north to northeast direction of groundwater flow that the source is off-site.

Before requesting the advancement of any further borings, ACDEH requests the following work to help determine whether or not the source is on-site and/or off-site in order to guide us in moving this case forward:

1. Research using available resources (e.g. GeoTracker data, Sanborn maps, aerial photos, and other historic documents) to determine whether or not any historic tanks or fuel leaks existed or occurred west to southwest of the site that could serve as a potential off-site source.
2. Perform a magnetometer survey across the site (parcel numbers 946-3370-22 and 946-3370-19) to determine whether or not there are buried underground storage tanks (USTs) or other at the site.
3. Determine the groundwater flow gradient using resources such as GeoTracker data.

We request that the above work be performed and the results be submitted via email to ACDEH by October 14, 2016, after which we will schedule a meeting to discuss the results and any further work that should be performed in order to move the case forward.

Please submit the complete report of the soil, groundwater, and soil gas investigation that was discussed during today's meeting by uploading onto both ACDEH's FTP and the State Water Resource Control Board's GeoTracker website according to the following schedule and file-naming convention:

September 23, 2016: Soil and Groundwater Investigation Report

SWI_R_YYYY-mm-dd_RO3199

In addition, please upload all other data related to this case, including borehole logs, site map, and analytical data (EDF format) onto State Water Board's GeoTracker website. This data is being requested pursuant to California Code of Regulations, Title 23, Division 3, Chapter 30, Articles 1 and 2, Sections 3890 to 3895. Details of the submission requirements are discussed in the attachment.

Please contact me if you have any questions.

Sincerely,

Anne Jurek, M.S.

Professional Technical Specialist II (Geology)

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