

Nowell, Keith, Env. Health

From: Nowell, Keith, Env. Health
Sent: Thursday, January 16, 2014 2:15 PM
To: 'ldooley@equologicgroup.com'
Cc: Linda Zitzner (lzitzner@mills.edu); Roe, Dilan, Env. Health
Subject: RE: Fuel Leak Case RO155 - Mills College (Toyon Meadows), 5000 MacArthur Blvd., Oakland

Lee,

Your extension request for the subject fuel leak case is approved. Alameda County Environmental Health looks forward to receiving the report by January 31, 2014.

Regards,
Keith Nowell

Keith Nowell PG, CHG
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6540
phone: 510 / 567 - 6764
fax: 510 / 337 - 9335
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PDF copies of case files can be reviewed/downloaded at:

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

From: ldooley@equologicgroup.com [mailto:ldooley@equologicgroup.com]
Sent: Thursday, January 16, 2014 1:16 PM
To: Nowell, Keith, Env. Health
Cc: Linda Zitzner
Subject: RE: Fuel Leak Case RO155 - Mills College (Toyon Meadows), 5000 MacArthur Blvd., Oakland

Keith,

We were not able to get out to the site until December 18, 2013 due to the school and driller's schedules.

We are currently preparing the summary report and request a two week extension to the January 17 due date due to holiday schedules and receipt of laboratory data. Below is a report summary;

On December 18, 2013, we drilled two geoprobe holes (B-15 and B-16) to depths of 15 and 20 feet bgs, respectively between the existing monitoring wells and nearby creek. The geoprobe was equipped with a hydropunch tip for groundwater collection. The hydropunch was exposed to the bottom three feet of the borehole. After three hours, both borings were dry. Depth to groundwater in nearby well MW-3M was 13 feet bgs. The total depth of the well is 17 feet bgs. The hydropunches were removed and the tip was found to be dry. In order to explore the occurrence of groundwater, second continuous cored borings were drilled at all three proposed locations (B-14, B-15, and B-16). Again, the boreholes were found to be dry with no indications of any saturated zones. No soil staining or petroleum hydrocarbon odors were detected. A soil sample was collected from each borehole at a depth of 15 feet bgs within the apparent zone of saturation of the monitoring well. Laboratory analysis did not detect TPH-d above the laboratory reporting limit in any of the three samples. It does not appear that the TPH-d plume extends more than 100 feet toward the nearby creek. I would be happy to discuss these findings with you.

Thank you.



Lee Dooley
Senior Hydrogeologist

1095 Brahnam Lane, Suite 204
San Jose, CA 95136
408 656-2505
FAX 408 264-5700

----- Original Message -----

Subject: Fuel Leak Case RO155 - Mills College (Toyon Meadows), 5000 MacArthur Blvd., Oakland
From: "Nowell, Keith, Env. Health" <Keith.Nowell@acgov.org>
Date: Tue, November 19, 2013 12:50 pm
To: "R. Lee Dooley (ldooley@equologicgroup.com)" <ldooley@equologicgroup.com>
Cc: "Linda Zitzner (lzitzner@mills.edu)" <lzitzner@mills.edu>, "Roe, Dilan, Env. Health" <Dilan.Roe@acgov.org>

Lee,

Thank you for your quick response by providing the draft Work Plan for the referenced fuel leak case. Alameda County Environmental Health (ACEH) staff has reviewed the emailed draft Work Plan dated November 18, 2013. ACEH concurs with the two proposed boring locations as indicated on your Figure 1. Based on a review of groundwater flow directions for the Toyon Meadows area, ACEH requests a third boring southwest of boring B-14 be advanced for recovery of a grab-groundwater sample. The third boring should be advanced along the transect as defined by borings B-14 and B-15 and spaced at a similar distance from B-14 as B-14 is to B-15. Attached is a revision of your Figure 1 showing the location of the third boring.

Your Work Plan states that groundwater samples will be recovered using Teflon tubing and a check valve. While ACEH considers this an acceptable recovery method for non-volatile groundwater samples, ACEH believes a bias may occur when applied to sampling for volatile compounds. Please use a bailer to recover samples for the volatile compounds.

The proposed scope of work may be implemented provided that the modifications requested above are addressed and incorporated during the field implementation. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and comments above is proposed. Please provide ACEH with three working days notification prior to the start of field work.

Please upload the technical report presenting the findings of the groundwater investigation, including data and documents, to the ACEH ftp site (Attention: Keith Nowell), and to the State Water Resources Control Board's Geotracker website, in accordance with the following specified file naming convention and schedule:

- **January 17, 2014- Groundwater Investigation Report** (file name: RO0000155_SWI_R_yyyy-mm-dd)

Thank you for your cooperation. Should you have any questions regarding this correspondence or your case, please call me at (510) 567-6764 or send an electronic mail message at keith.nowell@acgov.org.

Keith Nowell

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Hazardous Materials Specialist
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