

Nowell, Keith, Env. Health

From: Dennis Dettloff <Dennis.Dettloff@anteagroup.com>
Sent: Monday, June 09, 2014 8:38 AM
To: Nowell, Keith, Env. Health; Roe, Dilan, Env. Health
Cc: Shane Nolan (snolan@platinum-energy.net); Ed Weyrens
Subject: Fuel Leak Case RO229 - 76 Station #5325, 3220 Lakeshore Avenue, Oakland CA

Importance: High

Keith:

After our conversation on the phone last Friday, June 6th, I did some research in hopes of alleviating your concerns with the above referenced location in hopes of moving this site to closure. Your main concern appears to be that the sanitary sewer potentially may act as a preferential pathway. Based on information provided by you, the bottom of the sanitary sewer is 2.29 feet bgs. The shallowest historic depth to groundwater was recorded in monitoring well U-6, which is located in Lakeshore Avenue, was in September 2007. It was 2.71 feet below top of casing which is 3.22 feet bgs according to data provided by Morrow surveying. Therefore, the groundwater has never reached the bottom of the sanitary sewer. In addition, as you know the State of California is currently in a severe drought right now and it is not likely that the sanitary sewer or the storm drain are acting as preferential pathway(s) and they are not likely to do so in the near future.

During the most recent groundwater monitoring and sampling event the following TBA concentrations; U-1 (870 µg/L), U-2 (3,600 µg/L), U-5 (100 µg/L), and U-6 (66 µg/L), were reported. However, the groundwater beneath the site is not currently being used as a drinking water source, there are no wells within ½ mile of the site, and the closest well is an irrigation well located 0.71 miles northeast of the site. The closest potential receptor is Lake Merritt, located approximately 1,400 feet west southwest of the site. The potential impact to the lake is to aquatic life; however, the environmental screening level (ESL) "Estuary Aquatic Habitat Goal" for TBA is 18,000 µg/L. The highest current TBA concentration at the site was reported in monitoring well U-2 at 3,600 µg/L. This is significantly below the ESL for TBA.

Groundwater trends show that petroleum hydrocarbon impact to the groundwater is stable or declining as indicated in the Focused Site Conceptual Model –Draft.

Based on the data obtained during the most recent groundwater monitoring and sampling event, there is currently no risk to human or aquatic life and recommends that this site be closed under the current low threat closure policy.

Don't hesitate to contact me if you have any questions.

Best Regards,

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