

From: Sybil Kolon
To: Gelman Information
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Subject: Gelman - Periodic DEQ Update - Evergreen & Unit E & Dolph Park

Evergreen System

Today PLS started drilling on Dexter near Evergreen to install a new extraction well to replace LB-2, the shallower of two extraction wells at this location. The ability of LB-2 to extract water has decreased, even after rehabilitation, so it needs to be replaced.

Unit E - Maple Road

PLS has just completed a boring for a new injection well (IW-5) near Maple Road, on the south side of the Maple Village Shopping Center. The injection well is not yet in operation, but was needed to replace IW-3, which was not functioning adequately, at least partly due to the fact that it was originally designed and installed to be an extraction well.

Unit E - Wagner Road & Dolph Park

Last week PLS installed two monitoring wells (MW-105s and MW-105d) on the east side of Wagner Road, at Dolph Park. MW-105d will be used to evaluate the extraction from TW-18, to the north. MW-105s was installed due to 1,4-dioxane concentration of 5,178 parts per billion (ppb) encountered at 40 feet below the ground surface. This water bearing unit is described as being fine to medium grained sand, and was about seven feet thick. Below that is two feet of clay. Below that is 28 feet of sand and gravel. Three samples taken from that interval (50, 60 and 70 feet below ground) had 1,4-dioxane at 1,717, 169 and 258 ppb. Below that was about 50 feet of clay, silt or diamicton that was dry. Additional information will be available from the completed boring log. There was continued layering of sand and gravel and clay down to bedrock, which was encountered at 246 feet. 1,4-dioxane was 10-44 ppb from 130-220 feet, and 380 & 404 ppb at 220 and 230 feet.

PLS and DEQ are currently evaluating these results, especially the high concentrations found from 40-50 feet. There is a nearby extraction well (TW-2) in Dolph Park that has been operating since 1997 that should be capturing this contamination before it reaches Second Sister Lake. PLS is taking a sample from Second Sister Lake. Previous sampling of Second Sister Lake has been non-detect for 1,4-dioxane.

We will keep you informed as we gather more information.

Previous updates and other details can be found on the DEQ's Gelman website, which can be accessed in two ways:

click on the following link:

http://www.michigan.gov/deq/0,1607,7-135-3311_4109_9846_9847-71595--,00.html

or enter <http://www.michigan.gov/deqrrd>, then scroll to "Contaminated Sites List" and click on "Gelman Sciences, Inc. Site of Contamination".

Please contact me if you have any questions.

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