

From: Sybil Kolon
To: Gelman Information
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Subject: Gelman - Periodic DEQ Update - Unit E Results and Schedule

Drilling results at MW-101

This past week Pall Life Sciences (PLS) has been drilling on the west side of Maple Road, north of Dexter. There were no water bearing units from the surface down to about 80 feet. Vertical profiling every ten feet from 80 to 140 below the ground surface showed non-detect. Samples collected at 150 and 160 feet detected 223 and 304 parts per billion (ppb) of 1,4-dioxane, respectively. Below that point, they encountered clay and drilled all the way to bedrock, at 278 feet, without finding any more water bearing units.

PLS will install one monitoring well (MW) at this location, MW-101. This well will monitor the effects of the planned interim response at Maple Road, which is expected to start up within a month. This well was also intended to monitor the Unit E plume in relation to the Prohibition Zone (PZ). Due to concentrations significantly above the cleanup criterion of 85 ppb for 1,4-dioxane, the DEQ will be evaluating the need for additional MWs to the north, and the PZ boundary may need to be moved to the north. The migration pathway of the 1,4-dioxane to this location is not yet clear. The DEQ's evaluation is continuing.

The DEQ is not aware of any water supply wells in use in the area immediately north of the PZ boundary and MW-101; however, we are currently investigating the existence of any such wells in this vicinity.

Downgradient Investigation

PLS has evaluated the static water levels from recently installed wells and has determined that the next MW should be installed near City Hall, at the southeast corner of Ann Street and North Fifth Ave. The DEQ agrees with this location. This will be the next MW installed, possibly starting on Thursday, February 16, after MW-101 is completed.

Please contact me if you have any questions.

Sybil Kolon
Jackson District Office
Remediation and Redevelopment Division
Department of Environmental Quality
301 E. Louis Glick Hwy.
Jackson, MI 49201
phone: 517-780-7937
fax: 517-780-7855
e-mail: kolons@michigan.gov