

From: [Sager, John E - DNR](#)
To: [Gregory Prom \(MP\)](#)
Cc: [Jamie Mehle \(SWLP\)](#); ["Hughes, Erin"](#); [Saari, Christopher A - DNR](#)
Subject: SWL&P 100% Design
Date: Tuesday, December 27, 2022 8:14:00 AM

Greg,

Going through the 100% design report I noticed a comment that does not appear to have been addressed (highlighted in yellow below):

Section 2.1.5, page 19, first paragraph:

The DNR requested additional groundwater monitoring wells and piezometers be installed to provide further information on groundwater quality during and following active remedial action activities. The DNR requested piezometers, nested with monitoring wells MW-3R and MW-4R, monitoring wells directly downgradient of the Hortonsphere and gas holder excavations and an additional monitoring well located near the City of Superior building in the area of SLIF-33. This RAD does not include the requested piezometers. The DNR will not approve a final design without all the requested monitoring wells included in the RAD. DNR wants the replacement monitoring wells MW-3R and MW-4R installed as water table observation wells screened within the excavation backfill only and piezometers installed with 5-foot well screens installed at approximately 596 to 601ft MSL and adjusted to intersect any sand and gravel seams encountered near this depth. The screen and filter pack for the piezometers is not to extend into the excavation and an adequate seal placed so groundwater from the backfilled excavation does not migrate through the filter pack or well casing into the piezometer.

Also, Foth depicts the location of an additional monitoring well MW-29, further east than the DNR would prefer. The DNR wants a well installed near the location of SLIF-33 to be nearer the active remedial action area to be able to assess groundwater quality near the active remedial action system. Install the well screen to intersect the depths of elevated LIF values.

Figure 4-1 in Foth's Field sampling plan depicts the well in the same location as in the 90% design. Rather than delaying approval of the entire 100% design over this issue I would like written confirmation from SWL&P and Foth including a new Figure 4-1 depicting the locations of the proposed monitoring well MW-29 in the location requested by DNR. If SWL&P and Foth would like to retain the location depicted then the DNR requests an additional monitoring well near the location of SLIF-33. If this issue is not addressed it may delay DNR issuing approval of the 100% design report.

Please let me know if you have any questions.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

John Sager

Hydrogeologist – Remediation and Redevelopment Program

Wisconsin Department of Natural Resources

1701 N. 4th St.

Superior, WI 54880
Phone: (715) 919-7239
john.sager@wisconsin.gov



dnr.wi.gov

