

From: [Hnat, John J - DNR](#)
To: [Ken Ebbott](#)
Subject: RE: Proposed Well Locations, Shorewood Queensway Cleaners 4300 N Oakland BRRS 02-41-552089
Date: Thursday, August 13, 2020 7:35:00 AM

Ken,

Sounds good. The only concern is the groundwater table levels. I hope with all the rain lately, the screens will be above this level. It's been a problem in the past on other sites. Just to let you know. I don't think this will be a problem.

On another note, I'm retiring from the DNR. Last day is September 8th. I don't know who's taking over the project, but I'll let you know when I find out. We'll talk later. 70-years old and 43-years working as a geologist unfortunately isn't enough, but it's time to go.

From: Ken Ebbott <ken.ebbott@sand-creek.com>
Sent: Friday, August 7, 2020 12:03 PM
To: Hnat, John J - DNR <John.Hnat@wisconsin.gov>
Cc: Ken Ebbott <ken.ebbott@sand-creek.com>; tschafer@wi.rr.com
Subject: Proposed Well Locations, Shorewood Queensway Cleaners 4300 N Oakland BRRS 02-41-552089

John,

We're all done with the digging at Shorewood Queensway Cleaners, and are going to install the replacement wells and piezometers next Friday – Aug 14.

Attached is a crude map of the existing wells in Blue, and the proposed new wells in Yellow Text Boxes, with the rough excavation boundaries shown. I have a better figure in prep, but it isn't available yet, but this figure generally shows where we dug and depths.

For the new five wells- there are two well nests – shallow well at 13' with a 10' screen, deeper piezo at 30' with a 5' screen. The nests are about where we removed prior wells – the shallow wells will be mostly in fill, as we dug to 14' and 18' at the proposed well locations for MW-5R and 3R, respectively.

I've also added another well to go into the former tank area on the southwest part of the site. We dug out the smelly soils, but I'm still waiting on the perimeter lab results from there to see what may be left behind. That water table well will be 13' deep with a 10' screen.

Depth to water historically at the site has been about 2 to 7 feet or so – depending on the well, and flow has been to the north / northwest, except on the far southeast part of the site, there seemed to be a component of flow to the southeast. I will resurvey all the well elevations once we get the new wells in.

I also installed a 4" diameter sump in the backfill – I'll sample it for VOCs, at least in this initial round. I like to have a 4" access to the backfilled area in case we need to try something creative to treat the groundwater post-excavation, if groundwater concentrations aren't as clean as expected.

Let me know your thoughts about the well locations before I drill on Friday.

Thanks –

Ken

Regards,

Ken Ebbott, PG, CGWP

Senior Project Manager/Senior Geologist

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