

CORRESPONDENCE/MEMORANDUM

State of Wisconsin

DATE: July 31, 2023

FILE REF: 02-13-560698

TO: RR case file for Shorewood Commons

FROM: Cindy Koepke, DNR RR project manager *CK*

SUBJECT: Summary of July 26 meeting

Attendees: John Flad, Brian Flad, Ryan Nehls (REA), Bob Nauta (consultant hydrogeologist), Cindy Koepke (DNR), and Janet DiMaggio (DNR)

Handouts provided: NR 716 checklist, NR 716, NR 712 guidance

On Wednesday, July 26, 2023, DNR met with representatives of the Shorewood Commons case to discuss the current status of the project and steps toward case closure.

Summary of major points we discussed:

- project consultants and owner representatives provided summary of site discovery and work done to date
- water levels have dropped significantly over the last few years
- changing hydrogeologic conditions have led to several dry monitoring wells at the site
- groundwater flow to NE in other area projects, expect direction to the same at Shorewood Commons despite recent water level measurements *be*
- with the current lower water table, we may be seeing perched water or saturated soil lenses in some places, making a water table map not reflective of site conditions
- MW-5 water levels consistently significantly higher than others, likely due to low K soils and possible pocket of saturation
- Overall contaminant concentrations declining (details on time vs concentration graphs)
- Briefly reviewed NR 700 process
- Three main closure criteria: degree & extent of contamination defined, groundwater plume stable or receding, risk to receptors addressed
- Need NR 716 SIR that pulls together all the past work over the years, explains/interprets the data and presents a coherent conceptual site model, and makes conclusions and recommendations
- Will need "fresh" groundwater data in the closure request so a round of samples from all wells will be needed before submitting closure request
- Hydraulic conductivity testing was done at MW-5 in late 2021; other well(s) planned for it were dry
- Water levels at site, particularly at MW-5, are a hurdle that needs figuring out; hoping the SIR and cross-section(s) will be able to present a conceptual site model that explains as much as possible
- Cross-sections: DNR recommended a cross-section down the center line of the plume with soil, contaminant and water levels/flow net
- Municipal well 6 doesn't affect water table flow direction according to data at this site and others nearby
- Emerging contaminants statement → include this in SIR and discuss PFAS and 1,4-dioxane
- RR program has a committee that evaluates whether emerging contaminant sampling is needed; as a dry cleaner case, Shorewood Commons likely will be requested to sample well with highest PCE concentration for PFAS to determine presence or absence; whether further sampling needed, would be decided based on results
- After SIR received, Cindy as project manager will talk over emerging contaminants statement with RR program emerging contaminants committee; committee will provide direction on what sampling required
- If project meets the main closure criteria noted above after the above items addressed, then can submit for closure