

**From:** Ryan Nehls <rnehls@reaeng.com>  
**Sent:** Friday, June 16, 2023 11:17 AM  
**To:** Koepke, Cynthia L - DNR  
**Subject:** RE: Shorewood Commons BRRTS #02-13-560698  
**Attachments:** SECTION A.pdf; SECTION B.pdf; SECTION C.pdf; SECTION LOCATIONS.pdf

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**Flag Status:** Flagged

**Categories:** for tracking

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Hi Cindy,

I've attached some fence diagrams we put together for the additional borings we advanced at the Shorewood site in late April (B-701 – 703). John Flad would like to setup a meeting with you, along with myself and our hydro to go over what we saw out there and options for going forward. Would you have time available in the next couple weeks or after the 4<sup>th</sup> for a meeting?

Thank you,

*Ryan Nehls, E.I.T.  
Civil/Environmental Engineer*

***Resource Engineering Associates, Inc.***

*Agricultural - Environmental  
Water Resource Management  
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**From:** Koepke, Cynthia L - DNR <[Cynthia.Koepke@wisconsin.gov](mailto:Cynthia.Koepke@wisconsin.gov)>  
**Sent:** Monday, March 13, 2023 11:16 AM  
**To:** Ryan Nehls <[rnehls@reaeng.com](mailto:rnehls@reaeng.com)>

**Cc:** Bill Buckingham <[Bill@reaeng.com](mailto:Bill@reaeng.com)>  
**Subject:** RE: Shorewood Commons BRRTS #02-13-560698

Works for me, thanks and have a good vacation.

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

**Cindy Koepke, P.G.**

Phone: **608-219-2181**

Email: [cynthia.koepke@wisconsin.gov](mailto:cynthia.koepke@wisconsin.gov)

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**From:** Ryan Nehls <[rnehls@reaeng.com](mailto:rnehls@reaeng.com)>  
**Sent:** Monday, March 13, 2023 10:49 AM  
**To:** Koepke, Cynthia L - DNR <[Cynthia.Koepke@wisconsin.gov](mailto:Cynthia.Koepke@wisconsin.gov)>  
**Cc:** Bill Buckingham <[Bill@reaeng.com](mailto:Bill@reaeng.com)>  
**Subject:** Re: Shorewood Commons BRRTS #02-13-560698

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I'm on vacation this week, let's plan for next week

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**From:** Koepke, Cynthia L - DNR <[Cynthia.Koepke@wisconsin.gov](mailto:Cynthia.Koepke@wisconsin.gov)>  
**Sent:** Friday, March 10, 2023 1:10:06 PM  
**To:** Ryan Nehls <[rnehls@reaeng.com](mailto:rnehls@reaeng.com)>  
**Cc:** Bill Buckingham <[Bill@reaeng.com](mailto:Bill@reaeng.com)>  
**Subject:** RE: Shorewood Commons BRRTS #02-13-560698

Hi Ryan,

I'm not surprised by the finding that Well 6 doesn't affect flow at the Shorewood Commons project. The other remediation projects I have in that part of the city do not show any impact from that muni well, so your modeling results seem consistent with the flow observed at the other sites.

Regarding Genin's Mobil, the site isn't closed yet. The previous DNR project manager for the Genin's project has retired, and my boss Issac Ross is managing it for the time being. I've let him know we want to transfer those wells when the time comes. I recommend you get a draft of the RR-970 ready and standing by in case the pace of that project picks back up.

Might you have some time to talk over some options for future work with me on Monday? I'm going to training Tues-Thurs next week and have Friday off. If not, perhaps the following week?  
Cindy

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Cindy Koepke, P.G.

Phone: 608-219-2181

Email: [cynthia.koepke@wisconsin.gov](mailto:cynthia.koepke@wisconsin.gov)

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**From:** Ryan Nehls <[rnehls@reaeng.com](mailto:rnehls@reaeng.com)>

**Sent:** Thursday, March 9, 2023 9:35 AM

**To:** Koepke, Cynthia L - DNR <[Cynthia.Koepke@wisconsin.gov](mailto:Cynthia.Koepke@wisconsin.gov)>

**Cc:** Bill Buckingham <[Bill@reaeng.com](mailto:Bill@reaeng.com)>; Brian Flad <[bflad@flad-development.com](mailto:bflad@flad-development.com)>; John Flad <[JFlad@flad-development.com](mailto:JFlad@flad-development.com)>

**Subject:** Shorewood Commons BRRTS #02-13-560698

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Hi Cindy,

I wanted to give you an update on the Shorewood Commons site and get your thoughts. We ran some models on the groundwater flow in the area to see if the unit well 6 could be causing our odd groundwater flow directions. The models show that regardless of pump-on vs pump off, the groundwater should be flowing towards the northeast. That conflicts with our most recent groundwater measurements. Also our groundwater elevations appear to be 15 to 20 feet lower than the model. We think it would be best to advance some deeper geoprobes (50') on the site to get a better sense of the hydrostratigraphy of the site. I'll get a work plan put together for doing the geoprobes and hopefully we can hit the ground running in spring.

Any updates on the Genin's mobil site closure? We'll want to get the RR970 form ready to transfer over those wells on the property.

Thanks,

*Ryan Nehls, E.I.T.*

*Civil/Environmental Engineer*

**Resource Engineering Associates, Inc.**

*Agricultural - Environmental  
Water Resource Management*

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