

Weihemuller, Wendy - DNR

From: Austin, Brian P - DNR
Sent: Tuesday, November 16, 2021 10:42 AM
To: Ales, Stephen M -DNR
Cc: Silver, Matthew H - DNR
Subject: RE: PE

Hi Steve,

Thank you for providing these follow-up details. The Groundwater Section concurs with providing a temporary exemption to NR 140.28(5), and that the injection prohibition under sec. NR 812.05 can be deemed “not applicable” for the proposed application of remedial amendments.

Please let me know if I can provide any further assistance.

-Brian

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Brian Austin, P.E.

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dnr.wi.gov



From: Ales, Stephen M -DNR <stephenm.ales@wisconsin.gov>
Sent: Tuesday, November 16, 2021 9:03 AM
To: Austin, Brian P - DNR <Brian.Austin@wisconsin.gov>
Cc: Silver, Matthew H - DNR <matthew.silver@wisconsin.gov>
Subject: FW: PE
Importance: High

Hi Brian:

This email is a follow up to the voice message I left you this morning. Attached is the information related to the bioremediation of PFAS pilot study that the Wisconsin Air National Guard intends to complete at their Truax base. The plan presented here is exactly as Matt and I discussed with you a few weeks ago. 40'x40' area, 17 injection points, four monitoring wells, approximately 200 gallons of BAM, calcium peroxide and indigenous bacteria injected at each point. Water table is about 6.5'-7.5' below ground surface and has little head difference across the small area. A groundwater sample collected in October confirms what previous data has shown – the groundwater has extremely high concentrations of PFAS. Total PFAS for the list of Wisconsin 33 analytes is between 23,600 and 37,300 ng/l total PFAS. PFOS alone ranges from 12,000 – 18,000 ng/l.

As we discussed a few weeks ago, I just want to confirm I can put language in my approval letter that the DG program was consulted and approves of the exemption to NR 812 and NR 140 for injecting these materials. Interestingly the information submitted doesn't actually request those variances. I will be following up with WANG today indicating DNR needs a letter requesting these variances.

The wastewater program has issued the general permit to allow injection of materials into the subsurface. Maya issued that yesterday and sent me a copy this morning. I will be incorporating that approval into my letter.

Thanks for your assistance. Please confirm you are good with me placing NR 140 and NR 812 exemptions into my letter.

Have a good day.

Steve

From: Larry Kinsman <lkinsman@orinrt.com>
Sent: Monday, November 15, 2021 1:33 PM
To: Ales, Stephen M -DNR <stephenm.ales@wisconsin.gov>
Subject: RE: PE

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Hi Steve
Let me know if this works.
Larry Kinsman
Principal

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Verona WI 53593
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From: Ales, Stephen M -DNR <stephenm.ales@wisconsin.gov>
Sent: Monday, November 15, 2021 7:34 AM
To: Larry Kinsman <lkinsman@orinrt.com>
Subject: RE: PE

This is an EXTERNAL EMAIL. STOP, LOOK and THINK before you CLICK links or OPEN attachments.

Hi Larry:

I've been out of the office since last Wednesday afternoon. I will talk to others in the program about this issue and will give you a call later this morning.

Steve

From: Larry Kinsman <lkinsman@orinrt.com>
Sent: Wednesday, November 10, 2021 4:14 PM
To: Ales, Stephen M -DNR <stephenm.ales@wisconsin.gov>
Subject: PE

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Hey Steve

Can you give me a quick call on the PE stamp that is required? ORIN is a contractor and doesn't have a PE on staff to stamp the document. Since this approach has been developed by ORIN to combine these technologies. There is only one site that has done the combo of BAM and bio, so not a lot of PEs out there that have this type of knowledge. What are thoughts.

Larry Kinsman
Principal

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