

From: Hansen, Jesse J - DOT
Sent: Tuesday, November 14, 2023 8:57 PM
To: Schmenk, Colin R -DNR
Cc: Bruni, Katherine - DOT; Lauridsen, Keld B - DNR; Braun, Jessica J - DNR; Hansen, Jesse J - DOT
Subject: RE: Petroleum Contamination at STH 76/USH 45, Bear Creek, Waupaca County

Thank you Colin, I really appreciate the feedback and advice here. I will also follow up with TRC to be sure the records are reported. I will be onsite tomorrow to visit this project and look to seal the area with plastic or cap if possible.

Thank you,
Jesse



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If this is related to a records request, please email: dotdtsdnerecords@dot.wi.gov

From: Schmenk, Colin R -DNR <colinr.schmenk@wisconsin.gov>
Sent: Tuesday, November 14, 2023 1:33 PM
To: Hansen, Jesse J - DOT <Jesse.Hansen@dot.wi.gov>
Cc: Bruni, Katherine - DOT <katherine.bruni@dot.wi.gov>; Lauridsen, Keld B - DNR <Keld.Lauridsen@wisconsin.gov>; Braun, Jessica J - DNR <jessica.braun@wisconsin.gov>
Subject: Petroleum Contamination at STH 76/USH 45, Bear Creek, Waupaca County

Good afternoon Jesse,

Thank you for discussing the petroleum contamination found in soil and groundwater that was encountered during WisDOT road reconstruction near the intersection of STH 76 and USH 45 in Bear Creek, Waupaca County. Here is a quick summary of our discussion and DNR's response. Let me know if I misunderstood anything.

I believe the contamination site you referred to is the [Dennison Quality Oil \(Former\), BRRTS # 03-69-000214](#), contamination site located at 8106 USH 45. Per our discussion, DOT was working to reconstruct the roadway and encountered shallow contamination approximately 1-2 ft below the ground/road surface. DOT's consultant, TRC, removed contaminated soil and has containerized contaminated groundwater for disposal. We also discussed that the new base coarse for the road allows for better drainage of groundwater from beneath the road into the ditch on the south side of STH 76, which could allow petroleum contaminated water to flow into the ditch and possibly migrate to a nearby wetland. We discussed what could be done to help limit this potential risk with the primary option being the placement of some sort of barrier (clay or plastic) north of STH 76 to inhibit migration of contaminated

groundwater from the Dennison Quality Oil site to the ditch while also allowing for proper drainage of groundwater from beneath the roadway.

I am not sure if you were aware but additional soil and groundwater sampling was completed by DNR in 2019 when county workers notice petroleum odors while digging a posthole for a new road sign. Soil and groundwater contamination was found on the east side of the firework stand driveway. You can access the case file information in the link I included above.

DNR is open to the approach of installing a barrier on the north side of the STH 76 roadway which could extend below the base of the southern ditch to inhibit contaminated water from migrating to the ditch. DNR recommends that if you do proceed with this plan or something different that your consultant provide a brief work plan and map outlining the location, depth, and composition of the proposed barrier to DNR. DNR also requests that the analytical data collected by TRC be submitted to DNR, once back from the lab, in addition to a construction documentation report as contamination was managed at this site.

Let me know if you have any questions and if you'd like to discuss this further.

Thank you,

-Colin

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Colin Schmenk

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