

From: Schultz, Josie M - DNR
Sent: Thursday, November 19, 2020 12:19 PM
To: 'Lynn Bradley'
Cc: vandeurzent@gmail.com
Subject: RE: Van Deurzen Cleaners Update BRRTS # 02-05-561974

Hi Lynn,

Thank you for discussing this update with me yesterday. I was able to discuss with DNR's vapor expert, and they have stated that additional investigation to delineate the extent of impacts to air/vapor is necessary to meet the requirements of Wis. Admin. Code s. NR 716.11(5)(a), (g) & (h). Depending on the results of this investigation, the vapor investigation may need to be expanded to find the extent of impacts.

Their recommendations are outlined below:

- Prior to any sampling, the location(s) of the existing or proposed vapor port(s), indoor air (IA) locations and sewer lateral/main sample locations need to be communicated to DNR in a workplan per Wis. Admin. Code s. NR 716.09.
- Resample SSV (30-min) with paired IA (24-hr) at the residence at 107 S Ontario. A minimum of two paired events is needed with at least one event being during the heating season. DNR *recommends* this sampling be paired with outdoor air (OA) to confirm the source of any detects are not related to exterior sources.
- Sample SSV/IA/OA for a minimum of two events at the two residences east of the source property as they are within the screening distance of soil contaminated with chlorinated volatile organic compounds (CVOCs) as discussed in RR-800. Perform at least one event during the heating season. Assessment of the sewer lateral to residences from the main may be appropriate based on results of the sewer investigation (see below).
- Sample IA (8-hr) / OA (8 or 24-hr) at the source property as part of commissioning the vapor mitigation system (VMS) and based on historical use as dry cleaner.
- *Ideally* all SSV/IA/OA at the residences and on-site building take place during the same event to minimize OA sampling locations and mobilization costs.
- The unoccupied, detached garages do not need to be assessed for vapors.
- Identify the location of the sanitary sewer lateral and connection to a sanitary main. *Ideally* the sanitary lateral is video-logged to assess the integrity and potential for additional discharges to soil and groundwater.
- At a minimum, perform a vapor investigation within the on-site sewer cleanout. *Ideally* perform a vapor investigation within the connected sewer main at the same time as the on-site sampling for efficient use of funds but it can be iterative as well. (Reference the [RR Training Library](#) for the July 15, 2020 Issues & Trends Webinar on preferential pathways and the [Vapor Intrusion Resources for Environmental Professionals](#), "Other resources" tab for the Department of Defense publication.)

I wanted to also recommend that if Mr. Van Deurzen would like recommendations in writing from the DNR for next steps for site investigation and path to closure (what's listed above outlines only vapor assessment), that a technical assistance request submittal with fee would be a good option. These

submittals are reviewed by the closure committee, and would provide the best input for what DNR recommends for steps towards closure.

Please submit a site investigation workplan (SIWP) for the next phase of work that is planned to be completed. Investigation to assess potential impacts to occupied buildings, including the sanitary sewer investigation, should take priority due to the health risk. As you are aware, site investigations are iterative and investigation of the vapor pathway is complex - especially when investigating historical releases of chlorinated solvents in a mixed-use neighborhood with utilities.

Please let me know if you have any questions about any of the information presented above, and feel free to call me to discuss.

Thank you,
Josie

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Josie M. Schultz

Hydrogeologist – Northeast Region Remediation and Redevelopment Team

Wisconsin Department of Natural Resources

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From: Lynn Bradley <lbradley@generalengineering.net>

Sent: Monday, November 16, 2020 11:56 AM

To: Schultz, Josie M - DNR <josie.schultz@wisconsin.gov>

Cc: vandeurzent@gmail.com

Subject: RE: Van Deurzen Cleaners Update BRRTS # 02-05-561974

Josie,

Per my message, can you please call me on my cell phone to discuss the next steps. The Sub-Slab basement sample collected at Rockstroh did not report concentrations above the Standards, however did have low levels of trichloroethylene and tetrachloroethylene detected. The Vapor samples collected within the storm and sanitary utilities reported low petroleum compounds and also tetrachloroethylene, but again below the standards.

Please review this information and contact me at 608-617-7729. Thank you!

Lynn M. Bradley

Environmental Project Manager | General Engineering Company

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From: Schultz, Josie M - DNR <josie.schultz@wisconsin.gov>
Sent: Wednesday, September 2, 2020 1:25 PM
To: Lynn Bradley <lbradley@generalengineering.net>
Cc: vandeurzent@gmail.com
Subject: RE: Van Deurzen Cleaners Update BRRTS # 02-05-561974

Hi Lynn,

Thank you for this update, and good news that he will allow for a sub-slab port to be installed. Please let me know if you have any additional issues moving forward.

Thank you,
Josie

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Josie M. Schultz

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~~Phone: 920-662-5424~~ Office phone line will be disconnected in October

Cell: 920-366-5685

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From: Lynn Bradley <lbradley@generalengineering.net>
Sent: Wednesday, September 2, 2020 9:29 AM
To: Schultz, Josie M - DNR <josie.schultz@wisconsin.gov>
Cc: vandeurzent@gmail.com
Subject: RE: Van Deurzen Cleaners Update BRRTS # 02-05-561974

Josie,

I am sending this e-mail to update you on the progress of Van Deurzen Cleaners. We performed the groundwater sampling of the "affected wells", vapor tested in the basement of Van Deurzen Cleaners, and vapor testing within the utilities. Steve, the neighboring property owner met with me when we were in the field, and is going to allow me to put a sub-slab vapor port in his basement. I will be doing that tomorrow. I just wanted to provide you an update and let you know this is moving forward. Hopefully all results are favorable and we can entertain closure.

Please let me know if you have any questions or need any further information. Thank you!

Lynn M. Bradley
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From: Schultz, Josie M - DNR <josie.schultz@wisconsin.gov>
Sent: Tuesday, April 28, 2020 8:19 AM
To: Lynn Bradley <lbradley@generalengineering.net>
Subject: Van Deurzen Cleaners Update BRRTS # 02-05-561974

Good Morning Lynn,

I hope you're staying safe and healthy. I am touching base to see if there is any update for Van Deurzen Cleaners in De Pere. I received the NR 700 semi-annual report in the beginning of January that GEC was coordinating the installation of sampling points in the utilities corridor and additional groundwater monitoring.

Please let me know if this work has already been performed, or when it is planned for. Feel free to give me a call on my cellphone, 920-366-5685, if you would like to discuss.

Thank you,
Josie

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