

## Gray, Jane K - DNR

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**From:** OJ Ojinaga <oj.ojinaga@ghd.com>  
**Sent:** Friday, September 20, 2024 9:54 AM  
**To:** Holt, Michael (he/him/his); Matt Groves; Gray, Jane K - DNR  
**Cc:** Ryan Aamot; Thomas Kinney; Fusinski, Keith  
**Subject:** RE: Wausau, WI - NPL Site - Soil Gas & Indoor Air CV discussion

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Hi Michael,

This is excellent news. Thank you for getting back to us so quickly.

We have no comments or issues with the information in your email below. GHD will generate an updated VI Sampling Plan Map and send it to EPA and WDNR. We will work to install the new locations so they will be ready to sample once temperatures drop to winter conditions.

Thank you again for hearing our questions and concerns on the call and working with us to keep this project moving forward.

-OJ

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**From:** Holt, Michael (he/him/his) <Holt.Michael@epa.gov>  
**Sent:** Thursday, September 19, 2024 4:18 PM  
**To:** Matt Groves <Matthew.Groves@ghd.com>; Jane Gray <jane.gray@wisconsin.gov>  
**Cc:** OJ Ojinaga <oj.ojinaga@ghd.com>; Ryan Aamot <Ryan.Aamot@ghd.com>; Thomas Kinney <Tom.Kinney@ghd.com>; Fusinski, Keith <fusinski.keith@epa.gov>  
**Subject:** RE: Wausau, WI - NPL Site - Soil Gas & Indoor Air CV discussion

Hi all,

EPA has decided, with concurrence from WDNR, on the course for the upcoming VI investigation sampling.

- All indoor air and sub-slab samples should be conducted using active sampling.
  - o This should also prevent the need for a new QAPP allowing work to begin sooner
- The double ring of passive samplers can be dropped for now. However, they may be necessary if plume delineation step-outs reach areas of the building in which indoor samples are not feasible.
- Step outs at 1 and 2 can be postponed until after the first round of sampling is completed this heating season and will be dependent on the values returned from the samples.

Please respond with any comments, questions, or concerns. It would also be appreciated if the PRP group would provide an updated version of the VI sampling plan map that has been circulating that incorporates the so-far agreed upon changes.

Thank you,

**D. Michael Holt III**

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**From:** Matt Groves <[Matthew.Groves@ghd.com](mailto:Matthew.Groves@ghd.com)>  
**Sent:** Wednesday, September 18, 2024 12:11 PM  
**To:** Holt, Michael (he/him/his) <[Holt.Michael@epa.gov](mailto:Holt.Michael@epa.gov)>; Jane Gray <[jane.gray@wisconsin.gov](mailto:jane.gray@wisconsin.gov)>  
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**Subject:** Wausau, WI - NPL Site - Soil Gas & Indoor Air CV discussion

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Hello Jane & Michael,

Thank you for taking time to discuss the revised soil gas/indoor air scope of work. Below is a quick summary relating to vinyl chloride (VC) analysis in indoor air.

As we discussed on our call earlier today, if we transition over to passive sampling methods, we would plan on utilizing Radiello™ samplers for indoor air to ensure we reach the necessary reporting limits. These are generally seen as a standard for indoor air passive sampling, however, VC cannot be analyzed using them. For soil gas, we would utilize Waterloo Membrane Samplers (WMS) fitted to our existing Vapor Pins using their Capsule® holders. The WMS can be analyzed for VC and could also be utilized for sampling indoor/ambient air. However, the lab stated that it can be difficult to reach the required reporting limits using WMS (as it relates to indoor/ambient air).

To date, VC has not been detected historically in sub-slab soil gas or indoor at the site (see attached data table for reference). We are requesting to utilize the WMS samplers for soil gas collection (which would be analyzed for VC) and Radiello's for indoor air (no VC data/analysis). This would allow us to continue to monitor VC in soil gas while minimizing potential reporting limit issues by using the Radiello™ samplers for indoor air.

Please let us know if you have any questions, comments, or if you would like to discuss further.

Thanks,  
Matt G.

**GHD**

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