

From: Langdon, Robert <RLangdon@scsengineers.com>
Sent: Wednesday, July 12, 2023 10:27 AM
To: Ackerman, Jeffrey A - DNR
Cc: Jeff A. Miesen
Subject: FW: Peer review follow-up to "Request to shutdown SVE System and submit for closure , Former Highway Cleaners, Boscobel BRRTS #02-22-543001"

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Hi Jeff, see responses to our questions below in **red**.

Rob

Robert Langdon
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From: Ackerman, Jeffrey A - DNR <Jeffrey.Ackerman@wisconsin.gov>
Sent: Friday, June 30, 2023 9:57 AM
To: Langdon, Robert <RLangdon@scsengineers.com>
Cc: Jeff A. Miesen <Jeff.Miesen@moundcitybank.com>; Gilkey, Keith <KGilkey@scsengineers.com>
Subject: Peer review follow-up to "Request to shutdown SVE System and submit for closure , Former Highway Cleaners, Boscobel BRRTS #02-22-543001"

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Hi Rob,

I discussed the case with our peer review group yesterday. Here is the outcome:

1. The SVE system can be shut down. We did not discuss abandonment of the components, so if you can leave those in place for now, that would be good.
2. At least one more round of groundwater monitoring is needed. The two primary concerns here are

[1] what looks like an expanding plume at the downgradient margin (i.e. MW-12) and [2] anomalous data from 3-31-2021, which might be explained by a sample or labelling mix-up.

	MW-8	MW-10	PZ-10	MW-12
7/26/15	<0.50	24.3	<u>2.5</u>	
11/4/15	<0.50	18.4	<u>0.51</u>	
1/27/18	<0.50	52.7	<u>3.2</u>	<u>3.9</u>
4/28/18	<0.50	18.7	4.3	4.2
3/31/21	6.6	<0.33	15	9.9
7/27/22	<0.41	67.6	<0.41	18.5

If the plume is expanding we will need to re-consider the definition of extent and/or do more monitoring.

3. Before the case closure request is submitted a few questions should be answered (and I didn't have the answers for the group):
 - a. When was the dry cleaner in operation? **Approximately 1965 to 1996.**
 - b. Was the suspected leaking sewer line fixed? **I didn't think there was much in the file pointing to a leaking sewer connected to the dry cleaner. I'm not sure if any sewers were repaired, but we can check with the City on this if you like. Seymour suspected the dry cleaner source was from surface spillage based on their soil sampling. We provide additional detail in our November 7, 2022, RADR which suggests the sewers would not be a source or preferential pathway, and that there is likely another source downgradient of the site (former Citgo).**
 - c. Has the vapor mitigation system for the on-site building been adequately documented and commissioned? **The VMS was installed in February 2018 and documented in Seymour's July 10, 2018, Investigation Update. I don't find commissioning details in this report or elsewhere in the file so I'm not sure if it was completed.**
 - d. Are supply wells at risk? A map should be included in the closure request. FYI, our ad-hoc analysis suggests no risk to supply wells. **I don't think wells are at risk, but we'll include a map in our closure documentation. According to Seymour's July 5, 2005, SIWP, the nearest municipal well is 1,250 feet east of the subject property. According to notes from Linda Hanefeld of DNR dated July 24, 2006, "contamination above an NR 140 ES exists farther than 1,000 feet from a public water supply well and farther than 100 feet from a private water supply well."**

Let me know if you have questions.

Regards, Jeff

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Jeff Ackerman

608-219-2302

jeff.ackerman@wisconsin.gov

From: Langdon, Robert <RLangdon@scsengineers.com>

Sent: Friday, June 23, 2023 1:54 PM

To: Ackerman, Jeffrey A - DNR <Jeffrey.Ackerman@wisconsin.gov>

Cc: Jeff A. Miesen <Jeff.Miesen@moundcitybank.com>; Gilkey, Keith <KGilkey@scsengineers.com>

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Hi Jeff, I've attached updated SVE system documentation for the Former Highway Cleaners site. The system was re-started on April 6th, and we've completed three rounds of exhaust sampling since then. Like the prior period of operation there has been relatively little mass removed. For this period exhaust concentrations have fallen, and mass removal rates are stabilizing. Based on these findings we're requesting permission to shut the system off and submit for case closure.

Thank you,
Rob

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