

LEPC ENBRIDGE UPDATE

From: Jon Eisele <Jon.Eisele@enbridge.com>
Sent: Thursday, November 11, 2021 4:03 PM
To: Donna Haugom <DonnaH@jeffersoncountywi.gov>
Subject: Enbridge MP 312 update
Importance: High

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Good Evening Donna!

Here are some bullet points for your report to the LEPC next week. I kept it simple and short, however if you think or want more, please let me know and I can add additional information to this report.

In all, everything is going very well at the site and clean up continues to progress very nicely.

- Obtained permission from the adjacent landowner to install a new monitoring well on the west side of Blackhawk Island Rd per the DNR's request. – **What results have you seen from the additional well?** This additional well has not been installed yet. It is tentatively planned to be installed in December and results will be available in January.
- Conducting a third round of water sampling all potable wells within 1800' of the release the week of Nov. 15th (seeking permission next week) – **what are the results of the samples, and you are seeking permission for what?** Permission is requested to sample the wells since they are on private property. (No one has ever refused to allow sampling) There have been no detections of diluent parameters in any of the potable wells.
- Installed 11 remediation wells and an automated product recovery system that has recovered 705 gallons to date. Submitted an Interim Action Construction Completion Report (IACCR) to WDNR on November 11th. – **When was the product recovery system installed?** ? The system installation commenced the week of August 23rd was initially started up on September 7th. A copy of the IACCR is available on the WDNR website for more detailed information. <https://dnr.wi.gov/botw/GetActivityDetail.do?dsn=586199&siteId=33233900&crumb=1>
- Completed all the work proposed and approved by the WDNR in the Supplemental Site Investigation Work Plan. The SSIR is currently being prepared by WSP. – **Who is WSP?** WSP is our environmental and engineering consultant for the site. <https://www.wsp.com/en-US>
- Performed groundwater monitoring events in April, July and October and reported all data (October data pending) to WDNR. Next event is planned for January 2022. Groundwater plume appears to be stable and not increasing in size. – **Where is the plume located and how large is it? Can you provide quantity numbers?** The plume is located on property owned by Enbridge and within the road right-of-way near the valve site. The footprint of the plume and contaminant detections with the plume can be found in the most recent groundwater monitoring report submittal. <https://dnr.wi.gov/botw/GetActivityDetail.do?dsn=586199&siteId=33233900&crumb=1>
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- Performed potable well sampling events in April (Q2) and July (Q3). Reported all data to respective landowners and the WDNR. Next event (Q4) is planned for next week 11/15. Continue to see no detections of diluent. – **Have the landowners requested any additional information?** They have not. I have let landowners know that everything that is being reported to the DNR is available online and is public knowledge.

- **Also, when is cleanup supposed to be completed?** There is no due date for when cleanup is supposed to be completed. We will continue to work with the WDNR to fulfill all regulatory obligations.
- **Who determines when cleanup is complete?** The WDNR will determine when cleanup (investigation, remediation, monitoring, closure) is complete and will eventually issue a conditional (pending decommissioning) and final site closure letter.

Summary re: Enbridge diluent spill, groundwater contamination, & remediation (11/17/21)

Ronni Monroe and I have been in contact with the Wisconsin DNR a number of times over the past 9 months, basically since the Enbridge spill was brought to the attention of this committee. Ronni is a registered nurse with public health experience and has worked as an emergency responder/a trained EMT in the past.

We've reviewed the well test results and the resident drinking water results as the DNR has posted them on the WI DNR BRRTS site. Caroline Rice, the hydrologist at DNR who's coordinating things from a state regulatory agency perspective, along with Steve Martin (no relation to me) at DNR and most recently, Issac Ross have answered some of our questions about the level of benzene still present and its location. Caroline and Issac arranged a conference call with Ronnie and myself the 1st week of November. We discussed the most recent results the Enbridge consultants submitted regarding remediation wells that Enbridge installed.

Earlier, back in August, I contacted Esther Stewart to get a better understanding of the area of the petroleum product spill. Esther is a hydrologist who's currently conducting research through UW Madison, doing some bedrock mapping of Jefferson County and a couple other counties. She set up a conference call with State Geologist Ken Bradbury, a leading hydrologist with WGNHS (Wisconsin Geological and Natural History Survey) and one of their other associates, Pete Chase, a geotechnician. The four of us talked so I could get a better understanding of hydrology and hydrogeology, whether there might be fractured bedrock at the site, etc.

The way this works is, the company responsible for a chemical release such as this diluent spill, is responsible for hiring a qualified consultant to assess the hydrology. It does not appear the hydrology has been ferreted out yet, if you will, which I have been told is a key factor in developing contamination remediation plans.

My most recent email correspondence to DNR included two questions—Has the hydrology of the spill area been assessed yet? And if not, would it be possible for Ken Bradbury (and Esther and/or Pete) to assist with the assessment?

The information DNR is able to provide right now likely is limited by the fact the Department of Justice has not formalized its decision regarding the Corporation's delayed reporting of the spill.

Submitted to LEPC Committee by Anita Martin
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Please see
Addendum (P. 2)

p. 2 Addendum to Summary presented to LEPC 11/17/21 *

① In August 2021, hydrologist Esther Stewart stated, "The area near the spill is within a bedrock valley." At that time, she also indicated, "It is unclear from available data whether the bedrock at the spill site is fractured."

② Potable well test results for landowner homes within the (HCA, High Consequence Area) did show presence of chloromethane in July 2021. This chemical was detected above the DNR preventative Action Limit in 4 wells on one of the landowner's properties. After receiving these results, Enbridge did provide bottled drinking water for the resident/resident's family for a number of days.

③ A significant amount of benzene was found in one of the newer monitoring wells. In talking with the DNR, Caroline Rice said this volume was not calculated into the spill volume reported earlier this year.

④ Remediation wells are to the north of where the highest concentrations of benzene are found in the monitoring wells

⑤ the infrastructure of the remediation wells is not in the area which currently appears to have the highest level of diluent/petroleum product.

For more information:

Go to <https://dnr.wisconsin.gov/topic/Brownfields/botw.html>

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