

**SUBJECT**

Ford Livonia Transmission Plant -  
Quarterly Residential Mitigation Update Letter  
36200 Plymouth Road, Livonia,  
Wayne County, Michigan

**TO**

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EGLE Site ID No. 82002970  
CD Number 2:1712372-GAD-RSW

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**PROJECT NUMBER**

30309849.201.02

**DEPARTMENT**

Environment

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On behalf of Ford Motor Company (Ford), Arcadis of Michigan, LLC (Arcadis) has prepared this quarterly update letter for the interim preemptive mitigation (IPM) systems for the Livonia Transmission Plant (LTP) site (the Site) as requested by Michigan Department of Environment, Great Lakes, and Energy (EGLE) via email on May 26, 2019 and on July 26, 2019. As discussed during the meeting with EGLE on October 22, 2020 and documented in the November 30, 2020 letter from EGLE, Ford is providing the IPM updates on a quarterly basis, with this quarterly update covering the fourth quarter including October through December 2025.

As of December 31, 2025, the status of the 33 residential properties in the Alden Village subdivision is as follows:

- 31 of 33 of the IPMs are installed and operating. The status of the remaining 2 are described below:
  - 12124 Boston Post: Between 2018 and 2020, four rounds of sub-slab and indoor air samples were collected from this residence with results below EGLE residential sub-slab volatilization to indoor air criteria. The property owner refused the installation of the mitigation system because no vapor impacts were detected inside or under the residence by the vapor samples collected. Ford and Arcadis will follow the process outlined in the Consent Decree to request an alternative monitoring plan in lieu of mitigation in a remedial action plan (RAP).
  - 12121 Boston Post: Arcadis continues to be denied access to this property.
- 10 of 10 sheds where Retro-Coat™ has been proposed have had it applied to the floor.
- 10 of 10 garages have had Retro-Coat™ applied to the floor.

Ford has established an Electrical Reimbursement Program to reimburse residents for the electrical costs associated with the operation of IPM systems. The Electrical Reimbursement Program is administrated by Arcadis on behalf of Ford. Electrical reimbursements will continue to be processed and distributed on a quarterly basis.

As described in the EGLE letter dated February 1, 2019, EGLE required the entirety of the residential structure floor to be depressurized to a minimum of -0.02 inches of water column (iwc) for the residential IPM systems. Due to various reasons such as competency of the slab and subgrade obstructions, -0.02 iwc could not be met for select homes. The issue was discussed with EGLE which ultimately recommended the installation of vacuum transmitters at these structures. The transmitters continuously monitor the presence of vacuum below the slab to confirm that a negative differential pressure is being maintained although it may not be meeting -0.02 iwc. The

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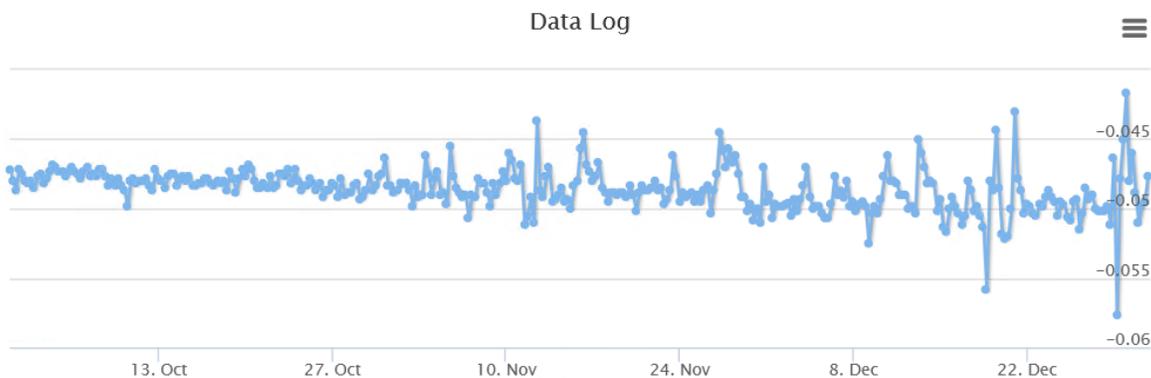
graphs of the continuously monitored differential pressure at these structures are depicted below. Arcadis continues to work diligently to maintain the IPM systems.

Arcadis is actively scheduling the sixth annual operation maintenance and monitoring (OM&M) event for the properties. Summaries of the OM&M events will be provided in the 1Q2026 update letter. Details are provided below for all 33 locations.

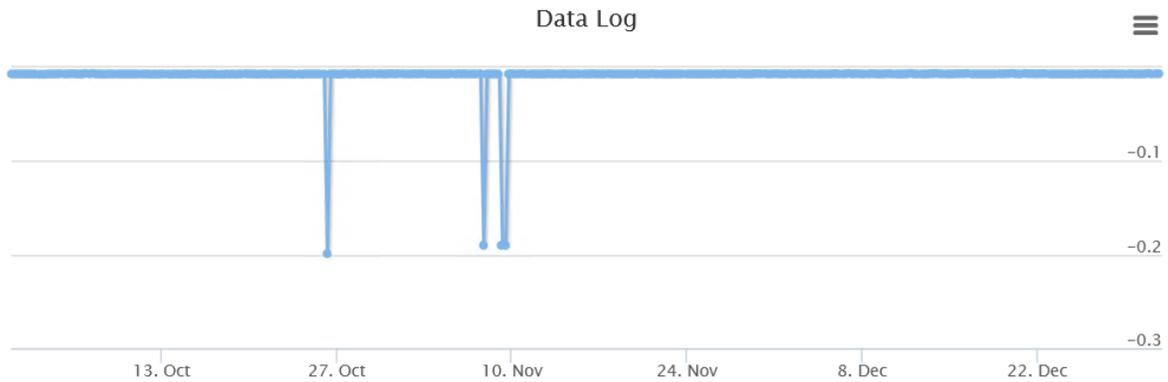
### **Interim Preemptive Mitigation Systems Currently Operating**

- **34380 Beacon** – The system is currently in operation and is being maintained and monitored.
- **34424 Beacon** – The system is currently in operation and is being maintained and monitored. Arcadis previously observed cracking in the concrete slab of the unoccupied shed resulting in damage to the Retro-Coat™ which was outlined in the second quarter 2024 quarterly update letter. Ford and Arcadis continue to follow the guidance outlined in the Consent Decree and alterations to the mitigation system will be requested in the response activity plan.
- **34450 Beacon** – The system is currently in operation and is being maintained and monitored.
- **34550 Beacon** – The system is currently in operation and is being maintained and monitored.
- **34591 Beacon** – The system is currently in operation and is being maintained and monitored.

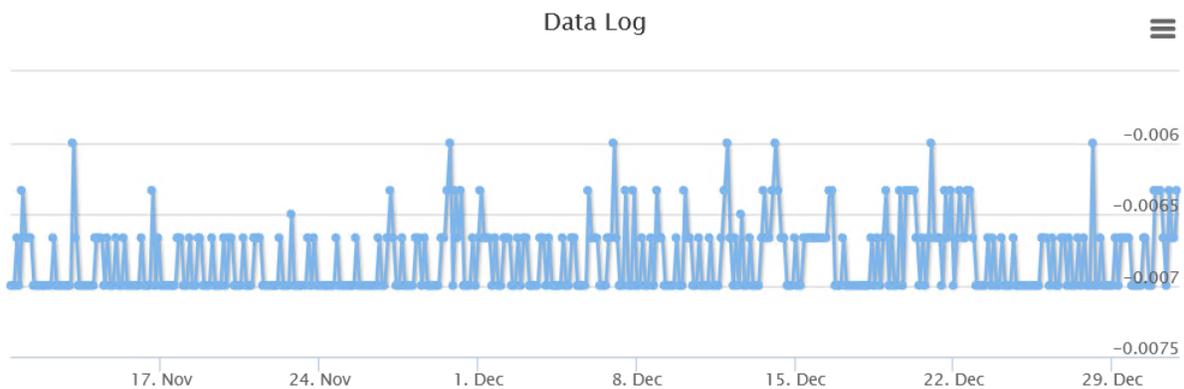
An update of the data logged by the vacuum transmitter connected to SSMP-1 is presented below which shows that the IPM system continues to maintain vacuum level at the monitoring point.



- **34600 Beacon** – The system is currently in operation and is being maintained and monitored.
- **34644 Beacon** – The system is currently in operation and is being maintained and monitored.
- **34682 Beacon** – The system is currently in operation and is being maintained and monitored. The fifth annual OM&M event was completed on October 28, 2025. An update of the data logged by the continuously monitored vacuum transmitter connected to sub-membrane monitoring point MP-5 is presented below.



Below is a zoomed in portion of the data plot showing the IPM system continuing to maintain vacuum level at the monitoring point which is typical of normal operation at this property.



Monitoring in accordance with the EGLE-approved property-specific monitoring program is ongoing. The fourth quarter 2025 groundwater sampling results for vinyl chloride were 1.3 µg/L at MW-115S and did not exceed the historical high of 3.9 µg/L observed in November 2019. The vinyl chloride concentrations at MW-154S and MW-155S were non-detect and did not exceed the groundwater screening level of 1.0 µg/L. Therefore, additional sub-slab sampling was not required.

- **34920 Beacon** – The system is currently in operation and is being maintained and monitored.
- **34940 Beacon** – The portion of the IPM system in the garage and vapor extraction connected to the sump is currently in operation and is being maintained and monitored. Updates to the IPM were also completed in accordance with the EGLE approval letter for Response Activity Plan-Revised Interim Response Activity Plan – for 34940 Beacon Street dated January 3, 2025, which was prepared to address water under the basement floor that adversely affected the RetroCoat®. The completion report documenting activities related to the Response Activity Plan was submitted to EGLE on June 13, 2025. Retro-Coat® inspections are completed to verify delamination is not occurring following implementation. Inspections were completed monthly immediately following implementation (June, July, and August 2025) and are now completed on a quarterly schedule..

On November 11, 2025, Arcadis completed an inspection of the basement perimeter dewatering system and completed the second OMM flushing and application of oxalic acid to the perimeter dewatering drain. Approximately 4 ounces of oxalic acid was added to one cleanout location on each of the four sides of the perimeter dewatering pipe. Arcadis inspected the Retro-Coat® in the basement and identified a small divot in the coating. Arcadis cleaned the surface of loose debris, mixed Retro-Coat® and repaired the divot.



**Photo 1:** Completed repair to divot in Retro-Coat®.

The November 11, 2025, sampling was the third post-construction quarterly sampling conducted to document performance in accordance with the performance monitoring detailed in the Response Activity Plan-Revised Interim Response Activity Plan – for 34940 Beacon Street. The sump water sample was collected on November 11, 2025, however the post carbon sample was not able to be collected due to insufficient water levels inside the sump.

The sample collected on November 11, 2025 was canceled due to a holding temperature issue at the laboratory. Arcadis recollected the sump sample on November 24, 2025 concurrent with the ground water monitoring well sampling at MW-193S and MW-89S. Arcadis attempted but could not collect the post carbon sample due to insufficient water levels inside the sump. The sump water sample was below site-specific volatilization to indoor air criteria for the seven site specific constituents. The analytical results for the sump water samples are summarized in **Table 1** below.

**Table 1** – 34940 Beacon Fourth Quarter 2025 Sump Water Analytical Results

Location:		EGLE Residential SSVIAC	SUMP_34940BEACON
Date:	Unit		11/24/2025
<b>Volatile Organic Compounds (VOCs via Method 8260 or 8265)</b>			
1,1-Dichloroethene	µg/L	18	ND (<0.49)
1,4-Dioxane	µg/L	1,900	ND (<0.86)
cis-1,2-Dichloroethene	µg/L	3.4	ND (<0.46)
Tetrachloroethene	µg/L	1.5	ND (<0.44)
trans-1,2-Dichloroethene	µg/L	13	ND (<0.51)
Trichloroethene	µg/L	1.0	ND (<0.44)
Vinyl chloride	µg/L	1.0	ND (<0.45)

"<" Denotes indicated the value is below the laboratory method detection limit for the associated sampling event.

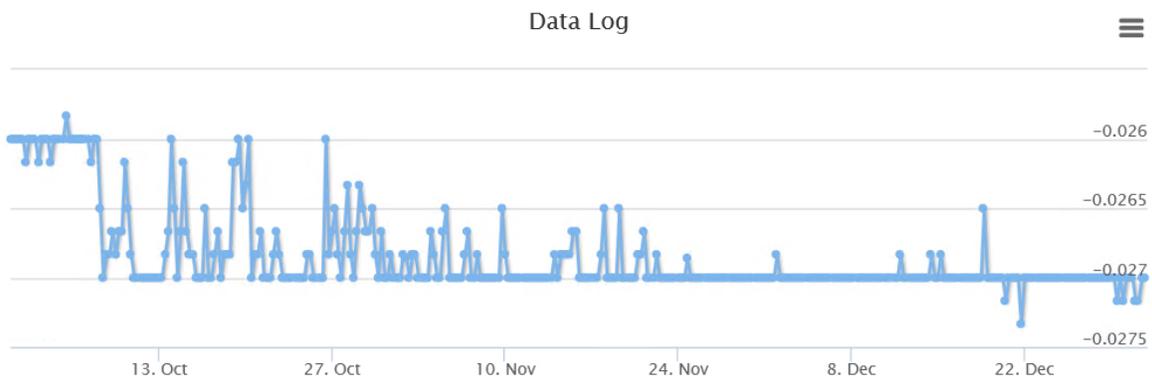
"ND" - Not Detected

"SUMP" - Basement Sump Water

The remaining revised interim activities for this property are to be completed at the schedule outlined below:

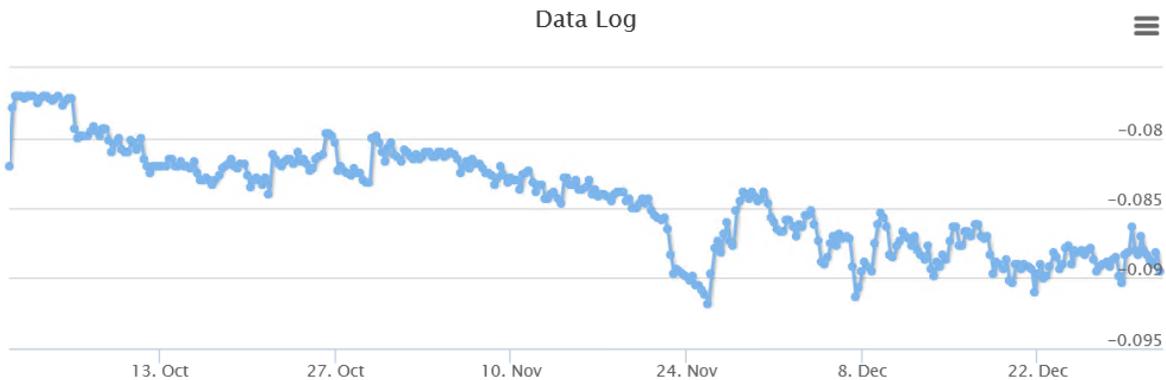
- Quarterly samples from the in-line carbon filtration system to be completed during the same quarterly groundwater sampling schedule.
- Maintenance of the perimeter drainage system in the basement concurrent with quarterly sampling.
- **34950 Beacon** – The system is currently in operation and is being maintained and monitored.
- **34990 Beacon** – The system is currently in operation and is being maintained and monitored.

Below is a data plot logged by the vacuum transmitter connected to MP-7 showing the IPM system continuing to maintain vacuum level at the monitoring point which is typical of normal operation at this property.



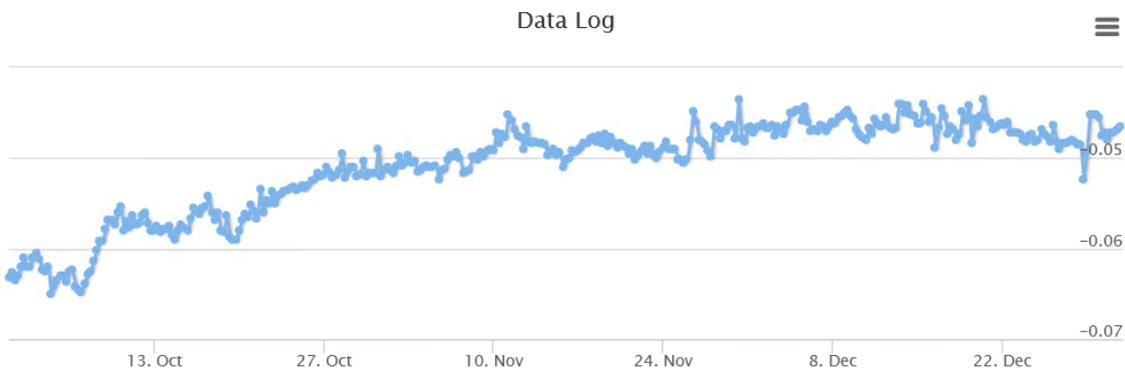
- **12066 Boston Post** – The system is currently in operation and is being maintained and monitored.
- **12067 Boston Post** – The system is currently in operation and is being maintained and monitored.

Below is a data plot logged by the vacuum transmitter connected to MP-1 showing the IPM system continuing to maintain vacuum level at the monitoring point which is typical of normal operation at this property.



- **12070 Boston Post** – The system is currently in operation and is being maintained and monitored.
- **12089 Boston Post** – The system is currently in operation and is being maintained and monitored.
- **12100 Boston Post** – The system is currently in operation and is being maintained and monitored.

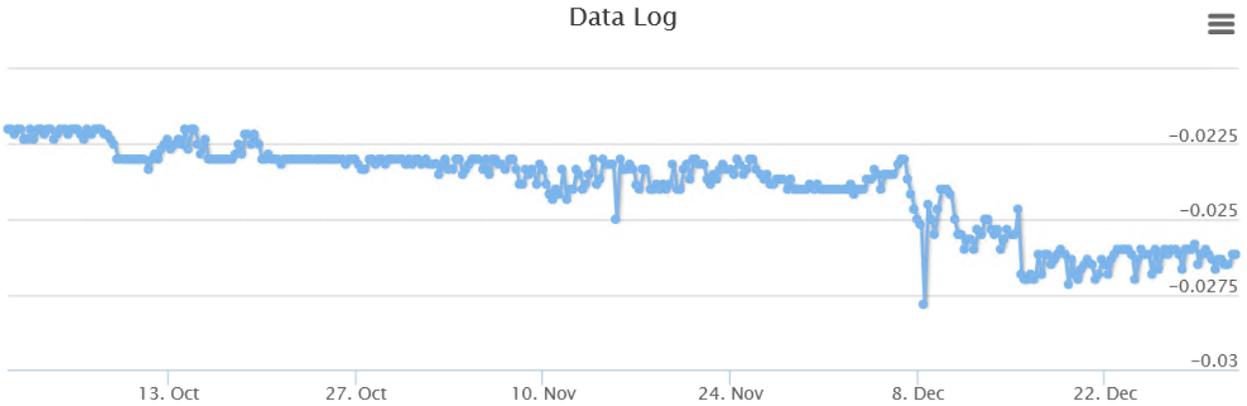
An update of the data logged by the continuously monitored vacuum transmitter connected to sub-slab monitoring point SSMP-4 is presented below.



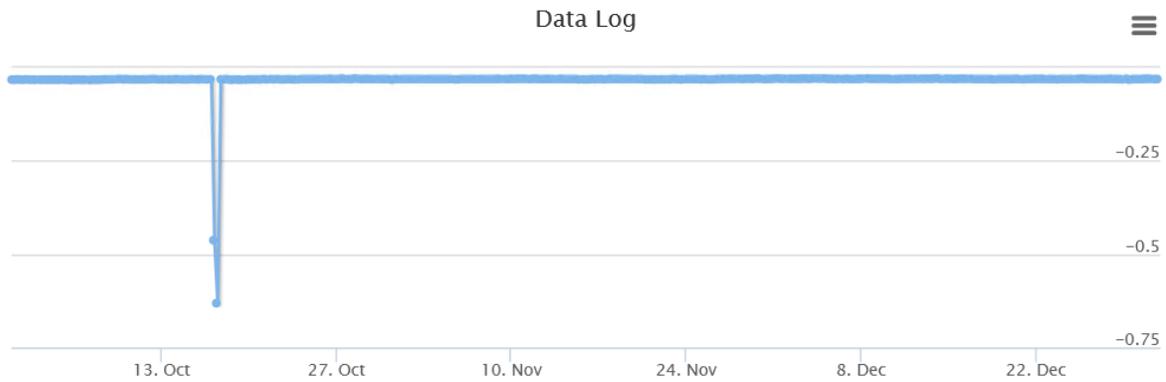
Monitoring in accordance with the EGLE-approved property-specific monitoring program is underway. The fourth quarter 2025 groundwater sampling result for vinyl chloride was 1.3 µg/L at MW-115S and did not exceed the historical high of 3.9 µg/L observed in November 2019. Vinyl chloride was detected at a concentration of 1.2 µg/L at MW-79SR which did not exceed the historical high of 1.5 µg/L observed in November 2023. The vinyl chloride concentration was non-detect at MW-156S and did not exceed the groundwater screening level of 1.0 µg/L. Therefore, additional sub-slab sampling was not required.

- **12131 Boston Post** – The system is currently in operation and is being maintained and monitored.

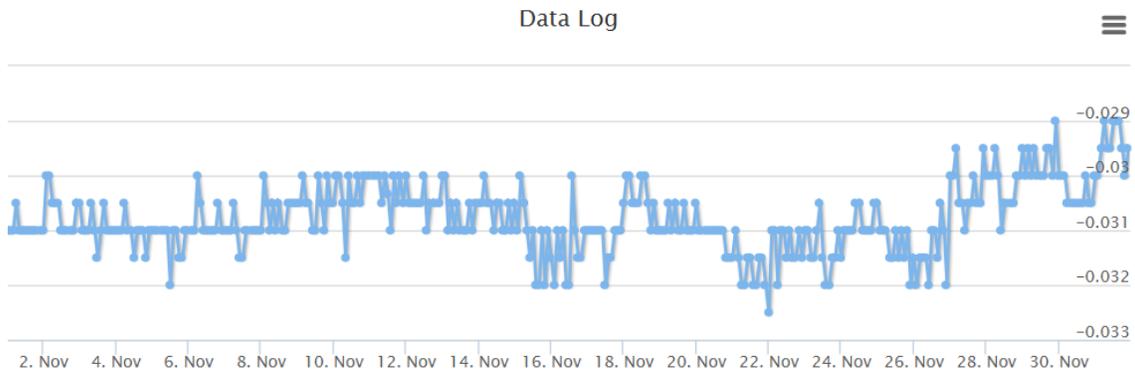
The update of the data logged by the vacuum transmitter connected to MP-4 is presented below.



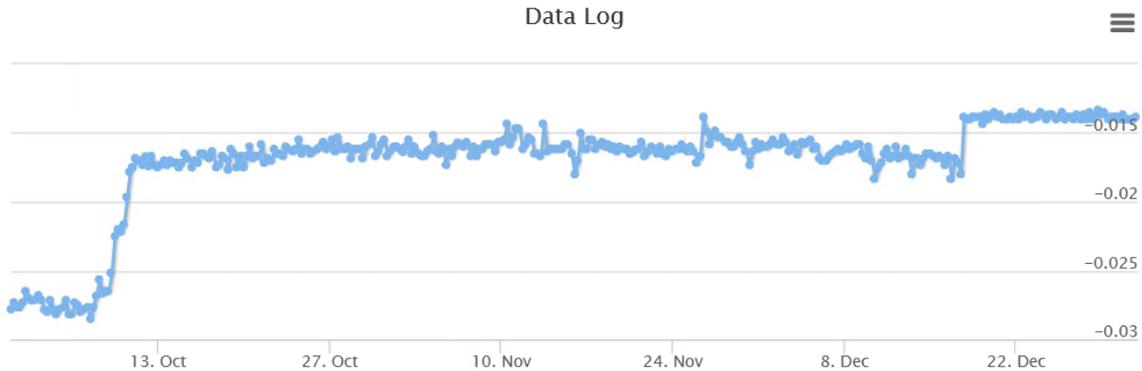
- **12141 Boston Post** – The system is currently in operation and is being maintained and monitored. An update of the data logged by the vacuum transmitter connected to MP-4 is presented below.



Below is a zoomed in portion of the data plot showing the IPM system continuing to maintain vacuum level at the monitoring point which is typical of normal operation at this property.



- **12017 Brewster** – The system is currently in operation and is being maintained and monitored.
- **12036 Brewster** – The system is currently in operation and is being maintained and monitored. Below is the data plot logged by the vacuum transmitter connected to SSMP-2 showing the IPM system continuing to maintain vacuum level at the monitoring point which is typical of normal operation at this property.



- **12075 Brewster** – The system is currently in operation and is being maintained and monitored.
- **12088 Brewster** – The system is currently in operation and is being maintained and monitored.
- **12091 Brewster** – The system is currently in operation and is being maintained and monitored.
- **12101 Brewster** – The system is currently in operation and is being maintained and monitored.
- **34367 Capitol Avenue** – The system is currently in operation and is being maintained and monitored.
- **34380 Capitol Avenue** – The system is currently in operation and is being maintained and monitored.
- **34401 Capitol Avenue** – The system is currently in operation and is being maintained and monitored.
- **34424 Capitol Avenue** – The system is currently in operation and is being maintained and monitored.

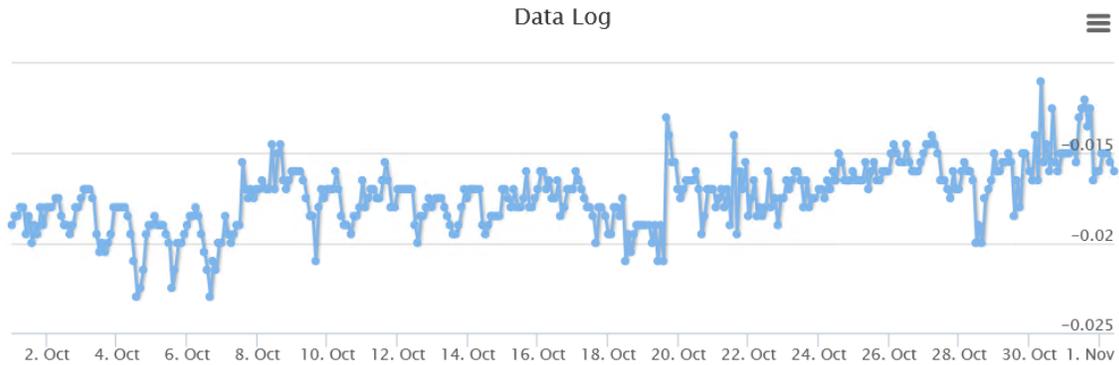
Monitoring in accordance with the EGLE-approved property-specific monitoring program is ongoing. The fourth quarter 2025 groundwater sampling results for vinyl chloride were non-detect at MW-90S, MW-169S, and MW-103S and did not exceed the groundwater screening level of 1.0 µg/L. Vinyl chloride was detected at a concentration of 2.8 µg/L at MW-136S and did not exceed the historical high of 3.2 µg/L observed in November 2020. Vinyl chloride was detected at a concentration of 2.1 µg/L at MW-148S and did not exceed the historical high of 2.3 µg/L observed in November 2020. Therefore, additional sub-slab sampling was not required.

- **34450 Capitol Avenue** – The system is currently in operation and is being maintained and monitored.

Monitoring in accordance with the EGLE-approved property-specific monitoring program is underway. The fourth quarter 2025 groundwater sampling results for vinyl chloride were non-detect at MW-108S, MW-168S, and MW-169S and did not exceed the groundwater screening level of 1.0 µg/L. Vinyl chloride was estimated at a concentration of 0.67 µg/L at MW-137S and did not exceed the historical high of 1.2 µg/L observed in August 2022. Therefore, additional sub-slab sampling was not required.

- **34480 Capitol Avenue** – The system is currently in operation and is being maintained and monitored.

An update of the data logged by the continuously monitored vacuum transmitter connected to SSMP-2 is presented below.



**Interim Preemptive Mitigation Systems Not Installed**

- **12124 Boston Post** – Four rounds of pre-mitigation indoor air and sub-slab data were completed between 2018 and 2020. No detections of vinyl chloride were reported in any of the samples. Additionally, all groundwater samples collected to date from the closest upgradient monitoring well (MW-118S) have been below the groundwater screening level of 1.0 µg/L, including the fourth quarter 2025 sample which was detected at an estimated 0.59 µg/L.
- **12121 Boston Post** – Under the supervision of EGLE, Ford is continuing to monitor groundwater proximate to the home to accommodate the homeowner’s refusal to grant access to their property for other investigation, characterization, or mitigation activities.