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Date: July 31, 2020 Copies: Ms. Beth Vens, EGLE Mr. Brandon Alger, EGLE Mr. Todd Walton, Ford

Arcadis Project No.: 30050315

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Subject: Livonia Transmission Plant 36200 Plymouth Road, Livonia, Wayne County, Michigan EGLE Site ID No. 82002970 Offsite Interim Preemptive Mitigation Installation Monthly Update

On behalf of Ford Motor Company (Ford), Arcadis of Michigan, LLC (Arcadis) has prepared this monthly update to the interim preemptive mitigation system installation 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. Based on the groundwater data collected in the third quarter of 2019 from the shallow groundwater monitoring wells the 100-foot buffer line was modified. On November 13, 2019, EGLE sent Ford an email indicating that due to the 100-foot buffer line moving more to the north along Capitol, three (3) additional homes were added to the interim preemptive mitigation (IPM) program.

On March 17, 2020, Ford sent a memo to EGLE titled "COVID-19 Force Majeure" requesting to temporarily halt off-site vapor intrusion (VI) sampling and mitigation work in residential homes and commercial businesses, due to the spread of the Coronavirus Disease (COVID-19), pursuant to the Force Majeure provisions contained in the Consent Decree entered on July 27, 2017 in Michigan Department of Environmental Quality v. Ford Motor Company, Case No. 2:1712372-GAD-RSW. On March 23, 2020 EGLE responded to the memo granting that off-site vapor intrusion (VI) sampling and mitigation work in residential homes and commercial businesses be temporarily suspended for 30 days. In the memo EGLE stipulated that if a residential mitigation system fails during this 30-day Force Majeure event, Ford will be required to evaluate the mitigation system and conduct repairs to make the system effective and operational using the CDC social distancing strategies. On April 24, 2020, EGLE approved an extension to the Force Majeure until April 30, 2020 and advised that the situation be reevaluated based upon the relevant guidance and orders from the State of Michigan Executive Office. On May 22, 2020 Governor Gretchen Whitmer issued an extension to the executive order for all non-essential workers to stay at home until June 12, 2020.

As a result, all VI sampling appointments and mitigation system installations were temporarily suspended and resumed on Monday June 15, 2020 when the executive order was lifted by the

Governor. As of July 31, 2020, the following progress has been made at 33 residential properties in the Alden Village subdivision:

- 33 of 33 IPM systems are designed. 27 of 33 are installed and operating as designed. The status of the remaining 6 are described below:
 - 2 of 33 IPM systems are installed but require modification.
 - 2 of 33 IPM systems are under construction.
 - 1 of 33 IPM systems is scheduled to begin installation.
 - 1 of 33 current property owners is unwilling to allow the IPM system to be installed at their property.
- 10 of 11 sheds requiring Retro-Coat[™] have had it applied to the floor. The status of the remaining shed is discussed below:
 - 1 of 11 property owners with sheds have not approved Retro-Coat[™] application due to the conditions of the roof on the shed, which makes entry unsafe.
- 10 of 16 detached garages requiring Retro-Coat[™] have had it applied to the floor. The status of the remaining 6 are discussed below:
 - 3 detached garages will be completed during the summer 2020.
 - 3 detached garage owners have not approved Retro-Coat[™] application.

Arcadis continues to work diligently to coordinate and install the interim preemptive mitigation systems. Details are provided below for all 33 locations.

Interim Preemptive Mitigation System Currently Being Installed or Scheduled

Details are provided below regarding the status of the work at the individual properties.

- 34380 Capitol Avenue Arcadis and their subcontractors met with the homeowner on February 25, 2020 to collect information required for the City of Livonia permits. Monthly vapor intrusion sampling was scheduled with the homeowner for March 17, 2020 and was cancelled as a result of the COVID-19 Force Majeure. On June 11, 2020, the three purifiers that had been in service since February 2020 were replaced. The homeowner has stated that due to medical concerns she is not able to schedule the installation of the mitigation system at this time. Monthly vapor intrusion sampling was completed on July 21, 2020. Once the analytical have been reviewed and validated, the data package will be submitted to all parties as outlined in the access agreement.
- 12124 Boston Post The property owner declined an interim air purifier unit. Work required prior to beginning IPM construction was initiated during January and continued during February 2020 and included installation of a new exterior crawlspace access, installation of a locking door at the existing interior crawlspace access, and asbestos abatement. On May 27, 2020 Arcadis and their architects inspected the crawlspace to evaluate the safety of installing the IPM in the crawlspace. A structural repair design report was completed and provided to Arcadis on June 26, 2020. Arcadis has requested additional structural design drawings from the architect. The design drawings will be reviewed by Arcadis and discussed with the City of Livonia. The installation of the IPM system is pending concurrence from the City of Livonia on structural repairs needed to enable construction of the IPM system.

In a continued effort to resolve the rodent issue prior to the construction of the IPM, Arcadis took additional actions. On July 1, 2020 additional bait stations were deployed around the foundation of the structure. On July 10, 2020 Arcadis checked the bait stations to evaluate activity of the rodents. The homeowner reported the rodent activity was lower. On July 21, 2020, the exterminator checked on the deployed bait stations, noted there was a decrease in rodent activity based on bait levels, and deployed additional bait. On July 23, 2020 Arcadis filled in visible and suspected rodent tunnels around the foundation of the house with concrete. The bait stations will remain deployed until the week of August 10, 2020, at which time the exterminator will retrieve the bait stations.

Interim Preemptive Mitigation Systems Operating as Designed

• **34644 Beacon** – Arcadis began construction of the IPM system on February 13, 2020, and installation was substantially completed on March 6, 2020 with all monitoring points meeting the performance metric established by EGLE of -0.02 inches of water column (iwc). During the COVID stop work the homeowner altered the well around the additional crawl space access installed by Arcadis. The homeowner claims that the access well was not large enough for him to access. The homeowner has informed Arcadis that the crawl space access well must be finished per the alterations he initiated and will not allow any additional activities until his request is met. Arcadis has ordered and received the materials to complete the access well modification. Arcadis is working with the homeowner to schedule the access well modification requested, along with the final items from the install, the post mitigation OMM and indoor air sampling.



Constructed entrance on March 16, 2020.

Modified crawlspace entrance on June 17, 2020.

- 12088 Brewster The system is currently in routine operation and maintenance. This property has
 recently been sold and Arcadis has completed an access agreement with the new homeowner. On
 three separate occasions, Arcadis inspected the crawlspace at this property after a rain event
 produced more than 1 inch of rain in a 24-hour period (July 13, July 16, and July 20, 2020). Arcadis
 found water on the barrier during the July 13 inspection and removed approximately 7 gallons.
 Arcadis found no water on the barrier after the other two rain events. Vacuum influence
 measurements were collected after all three rain events and exceeded the performance metric
 established by EGLE of -0.02 iwc.
- 12075 Brewster The system is currently in routine operation and maintenance. On July 20, 2020
 Arcadis began the installation of a new crawlspace entrance. On July 21, 2020 following a rain event
 which produced more than 1 inch of rain in a 24-hour period, Arcadis inspected the crawlspace and
 identified water on the barrier. A minimal amount of water, approximately one gallon, was wiped up and
 removed from the crawlspace barrier. Vacuum influence measurements were collected and exceeded

the performance metric established by EGLE of -0.02 iwc. Arcadis completed installation of the new crawlspace entrance on July 23, 2020. The new entrance eliminates the need to enter the home to gain access to the crawlspace to complete inspections or conduct OMM activities.

- 12089 Boston Post The system is currently in routine operation and maintenance. On July 13, 2020, following a rain event which produced more than 1 inch of rain in a 24-hour period Arcadis contacted the homeowner to verify that water was not observed in the basement. The homeowner requested that Arcadis refrain from contacting him following rain events as water has not been observed in his basement or affecting his system. The homeowner stated if there was a water issue the homeowner would contact Arcadis.
- **34450 Beacon** The system is currently in routine operation and maintenance. On June 17, 2020 Arcadis contacted the property owner requesting permission to install an exterior crawlspace entrance which would allow access to the crawl space without having to enter the home. The property owner declined to have the new entrance installed.

Arcadis contacted the homeowner after a rain event produced more than 1 inch of rain in a 24-hour period (July 13, July 16, and July 20, 2020). The homeowner was not available to provide access for Arcadis to check the barrier following these rain events. Arcadis will coordinate with the homeowner and schedule a date to inspect the barrier.

- 34401 Capitol The system is currently in routine operation and maintenance. On three separate occasions, Arcadis inspected the crawlspace at this property after a rain event produced more than 1 inch of rain in a 24-hour period (July 13, July 16, and July 20, 2020). Arcadis found water on the barrier during the July 13 inspection and removed approximately one quarter of a gallon. Minor repairs were made to barrier seams following the removal of the water. Arcadis collected vacuum influence readings and all monitoring points achieved the performance metric established by EGLE of -0.02 iwc. On July 16, 2020, Arcadis identified water on the barrier and approximately one half of a gallon of water was removed from the crawlspace barrier. Arcadis collected vacuum influence readings and collected the following readings: MP-1: -0.023 iwc and MP-2: -0.019 iwc. On July 20, 2020, approximately one quarter of a gallon of water was removed from the crawlspace barrier. Arcadis collected the following vacuum influence readings: MP-1: -0.020 iwc and MP-2: -0.017 iwc. On July 23, 2020 Arcadis conducted a leak test to identify the location and number of leaking seams. Arcadis is scheduling a date with the homeowner to make seam repairs.
- **34380 Beacon** The system is currently in routine operation and maintenance. The homeowner was not available during the first quarter 2020 heating season, so the final OM&M sampling event will occur in the fourth quarter during the heating season. On July 20, 2020 following a rain event, Arcadis inspected the crawlspace and found no water on the barrier. Vacuum influence measurements were collected and exceeded the performance metric established by EGLE of -0.02 iwc.
- 12091 Brewster The system is currently in routine operation and maintenance. Arcadis has contacted the homeowner on multiple occasions and the homeowner continues to deny access to mitigate the detached garage. Arcadis will continue to inquire with the homeowner regarding gaining access to mitigate the garage. The garage is not inhabited or occupied at this time and is primarily used to store a motorcycle and vehicle. In addition, three rounds of vapor intrusion sampling have been completed to date, and there have been no exceedances of the seven constituents of concern (COCs) for indoor air or sub-slab soil gas in the garage or home. During the OMM/sampling event on January 23, 2020, Arcadis asked the homeowner again about access to the garage for the application of Retro-Coat™. The property owner is reconsidering allowing access to the detached garage to have Retro-Coat™ applied later in the fall of 2020. Arcadis spoke with the homeowner to schedule the

application of Retro Coat in his garage and the homeowner indicated they are working with their brother to remove the car that their brother is storing in his garage which may not occur until the fall of 2020. Arcadis will continue to work with the homeowner to arrange access for the retro coat application in 2020.

- 34424 Beacon The system is currently in routine operation and maintenance.
- 34920 Beacon The system is currently in routine operation and maintenance.
- 34950 Beacon The system is currently in routine operation and maintenance.
- **12017 Brewster –** The system is currently in routine operation and maintenance.
- 34600 Beacon The system is currently in routine operation and maintenance.
- 12131 Boston Post –The system is currently in routine operation and maintenance. On February 10, 2020, the homeowner reported the presence of moisture on the geotextile that was installed between the barrier covering the Cupolex® and the plywood flooring that was installed in the basement portion of the home as part of the mitigation system. Arcadis provided the homeowner with a dehumidifier on February 20, 2020. Arcadis removed a portion of the plywood flooring and geotextile where moisture was present on February 27, 2020. On July 23, 2020, Arcadis and the concrete construction contractor visited the property to review the scope of work with the homeowner. Alternative flooring to replace the geotextile and plywood was discussed with the homeowner which would involve pouring a concrete floor on top of the Cupolex®. The installation of the concrete floor is being planned for early August based on contractor availability.

An update of the data logged by the vacuum transmitter connected to MP-4 is presented below demonstrating that vacuum is continuously being maintained and that the system continues to operate effectively.



The two negative peaks observed on the above data log occurred when there was a neighborhood wide power outage on July 13, 2020 at approximately 19:45 and July 18, 2020 at approximately 17:25. During the power outage, the vacuum transmitters were not recording correctly. Upon the power returning the vacuum transmitter readings returned to the normal range of -0.002 iwc. The two graphs below show the vacuum transmitter readings before and after the power outages.



On July 20, 2020, between 12:00pm and 4:00pm local wind gusts were recorded up to 20 mph. During this wind event vacuum transmitter readings were fluctuating and recorded above and below zero iwc. Following the wind event, vacuum readings recorded by the vacuum transmitter returned to the normal range of -0.002 iwc.

- **12101 Brewster** The system is currently in routine operation and maintenance. On three separate occasions, Arcadis inspected the crawlspace at this property after a rain event produced more than 1 inch of rain in a 24-hour period (July 13, July 16, and July 20, 2020). Arcadis inspected the crawlspace and found no water on the barrier. During each of these inspections vacuum influence measurements were collected and exceeded the performance metric established by EGLE of -0.02 iwc.
- 12067 Boston Post The system is currently in routine operation and maintenance. An update of the data logged by the vacuum transmitter connected to MP-1 is presented below demonstrating that vacuum is being maintained and that the system continues to operate effectively. On three separate occasions, Arcadis inspected the crawlspace at this property after a rain event produced more than 1 inch of rain in a 24-hour period (July 13, July 16, and July 20, 2020). On July 13, 2020, Arcadis removed approximately fifteen gallons from the crawlspace barrier. On July 16, 2020, approximately one gallon of water was removed from the crawlspace barrier. On July 20, 2020, Arcadis removed approximately seventeen gallons from the crawlspace barrier. During each of these inspections vacuum influence

26... 28. Jun 30. Jun 2. Jul

4. Jul

6. Jul

8. Jul



measurements were collected and exceed the performance metric established by EGLE of -0.02 iwc.

The two negative peaks observed on the above data log occurred when there was a neighborhood wide power outage on July 13, 2020 at approximately 19:45 and July 18, 2020 at approximately 17:25. During the power outage, the vacuum transmitters were not recording correctly. Upon the power returning the vacuum transmitter readings returned to the normal range of -0.018 iwc. The two graphs below show the vacuum transmitter readings before and after the power outages.

10. Jul 12. Jul 14. Jul 16. Jul 18. Jul 20. Jul 22. Jul 24. Jul 26. Jul



• 34550 Beacon – The system is currently in routine operation and maintenance.

- 34940 Beacon The system is currently in routine operation and maintenance. On July 23, 2020
 Arcadis responded to a homeowner's report regarding a leak in the condensate line on the furnace
 installed during the construction of the IPM. The HVAC subcontractor found a small dead mouse in
 the 1" PVC drain line that was clogging and backing up the condensate. The condensate line was
 replaced and a 90 degree fitting was installed into the floor drain to prevent rodent access.
- 12141 Boston Post The system is currently in routine operation and maintenance. Additional non-routine indoor air sampling will be conducted to demonstrate effectiveness of the mitigation system in the portion of the home that is not being monitored for sub-slab vacuum influence. On July 20, 2020, Arcadis completed an OM&M inspection and indoor air sampling event. Valve adjustments were made to the IPM system to optimize vacuum influence and increase the vacuum level at MP-4. Once the analytical results have been reviewed and validated, the data package will be submitted to all parties as outlined in the access agreement. Arcadis will continue to work to coordinate the monitoring point installation in the northern living room space with the homeowner by contacting them on a monthly basis.

An update of the data logged by the vacuum transmitter connected to MP-4 is presented below demonstrating that vacuum is continuously being maintained and that the system continues to operate effectively.



The two negative peaks observed on the above data log occurred when there was a neighborhood wide power outage on July 13, 2020 at approximately 19:45 and July 18, 2020 at approximately 17:25. During the power outage, the vacuum transmitters were not recording correctly. Upon the power returning the vacuum transmitter readings returned to the normal range of -0.006 iwc. The two graphs below show the vacuum transmitter readings before and after the power outages.





- 12066 Boston Post The system is currently in routine operation and maintenance. On three separate occasions, Arcadis inspected the crawlspace at this property after a rain event produced more than 1 inch of rain in a 24-hour period (July 13, July 16, and July 20, 2020). On July 13, 2020, Arcadis removed approximately thirteen gallons from the crawlspace barrier. Vacuum influence readings were collected, and metrics were achieved. On July 16, 2020, approximately one gallon of water was removed from the crawlspace barrier. On July 20, 2020, Arcadis removed approximately seventeen gallons from the crawlspace barrier. During each of these inspections vacuum influence measurements were collected and exceed the performance metric established by EGLE of -0.02 iwc.
- **12036 Brewster** The system is currently in routine operation and maintenance. An update of the data logged by the vacuum transmitter connected to SSMP-2 is presented below demonstrating that vacuum is being maintained and that the system continues to operate effectively. On July 13, 2020, following the rain event, Arcadis contacted the homeowner to verify that water had not been observed in the basement. The homeowner stated that water was not observed in the basement.



The two negative peaks observed on the above data log occurred when there was a neighborhood wide power outage on July 13, 2020 at approximately 19:45 and July 18, 2020 at approximately 17:25. During the power outage, the vacuum transmitters were not recording correctly. Upon the power returning the vacuum transmitter readings returned to the normal range of -0.008 iwc. The two graphs below show the vacuum transmitter readings before and after the power outages.



• **34990 Beacon** – The system is currently in routine operation and maintenance. The final routine OM&M sampling event scheduled for March 30, 2020 was delayed as a result of the stay at home order. The sampling event will be completed during the fourth quarter so that it can be completed during the heating season. An update of the data logged by the vacuum transmitter connected to MP-7 is presented below demonstrating that vacuum is continuously being maintained and that the system continues to operate effectively.



The two negative peaks observed on the above data log occurred when there was a neighborhood wide power outage on July 13, 2020 at approximately 19:45 and July 18, 2020 at approximately 17:25. During the power outage, the vacuum transmitters were not recording correctly. Upon the power returning the vacuum transmitter readings returned to the normal range of -0.018 iwc. The two graphs below show the vacuum transmitter readings before and after the power outages.



The property owner has initially denied the application of Retro-Coat[™] in the detached garage since the floor has an existing epoxy coating and imbedded tubing for radiant heat. Arcadis provided an alternate mitigation system design for the garage to the homeowner for approval on March 19, 2020. In addition, there have been four rounds of indoor air sampling that has been conducted in the garage, and to date there has been no detections or exceedances of the seven constituents of concern.

• **34591 Beacon** – The system is currently in routine operation and maintenance. An update of the data logged by the vacuum transmitter connected to SSMP-1 is presented below demonstrating that vacuum is continuously being maintained and that the system continues to operate effectively. On three separate occasions, Arcadis inspected the crawlspace at this property after a rain event produced more than 1 inch of rain in a 24-hour period (July 13, July 16, and July 20, 2020). On July 13, 2020, approximately two ounces were removed from the crawlspace barrier. On July 16, 2020, Arcadis inspected the crawlspace and did not identify water on the barrier. On July 20, 2020, Arcadis removed approximately one quarter of a gallon from the crawlspace barrier. Vacuum influence readings were collected during all three events, and the performance metric established by EGLE of -0.02 iwc were achieved.



The two negative peaks observed on the above data log occurred when there was a neighborhood wide power outage on July 13, 2020 at approximately 19:45 and July 18, 2020 at approximately 17:25. During the power outage, the vacuum transmitters were not recording correctly. Upon the power returning the vacuum transmitter readings returned to the normal range of -0.026 iwc. The two graphs below show the vacuum transmitter readings before and after the power outages.



• 34367 Capitol – The system is currently in routine operation and maintenance.

• **34480 Capitol** – The system is currently in routine operation and maintenance. An update of the data logged by the vacuum transmitter connected to SSMP-2 is presented below demonstrating that vacuum is continuously being maintained and that the system continues to operate effectively.



The two negative peaks observed on the above data log occurred when there was a neighborhood wide power outage on July 13, 2020 at approximately 19:45 and July 18, 2020 at approximately 17:25. During the power outage, the vacuum transmitters were not recording correctly. Upon the power returning the vacuum transmitter readings returned to the normal range of -0.026 iwc. The two graphs below show the vacuum transmitter readings before and after the power outages.



12070 Boston Post – The system is currently in routine operation and maintenance. This property has
recently been sold and Arcadis has completed an access agreement with the new homeowner.

 34682 Beacon – The system is currently in routine operation and maintenance. On June 29, 2020 Arcadis completed an OM&M inspection. Arcadis attempted to collect vacuum readings at all SSMPs and MPs, however two SSMPs were obstructed by household objects covering the homeowner would not grant Arcadis access to SSMP-1 or SSMP-4. Four rounds of indoor air (IA) and subslab (SS) data have been completed. The initial sampling event included an indoor air sample from the crawl space. No detections of vinyl chloride were reported in any of the samples during pre and post mitigation sampling events.

An update of the data logged by the vacuum transmitter connected to sub-membrane monitoring point MP-5 is presented below indicating that vacuum is being continuously maintained.



The two negative peaks observed on the above data log occurred when there was a neighborhood wide power outage on July 13, 2020 at approximately 19:45 and July 18, 2020 at approximately 17:25. During the power outage, the vacuum transmitters were not recording correctly. Upon the power returning the vacuum transmitter readings returned to the normal range of -0.004 iwc. The two graphs below show the vacuum transmitter readings before and after the power outages.



Interim Preemptive Mitigation System is Installed but Requires Modification

Mitigation systems at 3 of the 33 properties require additional mitigation activities. Details are provided below regarding the status of the work at this property.

- 34450 Capitol Avenue An interim air purifier unit was deployed on November 20, 2019. On February 20, 2020 and May 20, 2020 Arcadis changed out the air purifier in the home. Installation of the mitigation system began on March 3, 2020. The installation of the sub-membrane depressurization (SMD) system in the crawlspace resumed on June 15, 2020 following the lifting of the executive order. The installation of the SMD system in the crawlspace was completed on July 23, 2020 and is currently operational. Vacuum influence readings were collected at all SMD monitoring points and readings at all monitoring points exceed the performance metric established by EGLE of -0.02; MP-1: -0.162 iwc, MP-2: -0.205 iwc, MP-3 -0.211 iwc, MP-4: -0.122 iwc, MP-5: -0.454 iwc. Arcadis preparing to conduct SSD pilot testing for the concrete slab mitigation system. Arcadis is scheduling with a moving contractor to empty the garage in preparation for the pilot testing. Three rounds of IA and SS data have been completed. The initial sampling event included an indoor air sample from the crawl space. No detections of vinyl chloride were reported in any of the samples during pre mitigation sampling events.
- 34424 Capitol Avenue An interim air purifier unit was on November 21, 2019 and a replacement unit was deployed on February 2, 2020 and May 20, 2020. Arcadis began construction of the IPM system on January 7, 2020, and installation was substantially complete on February 13, 2020. However, work continued at the property through February 19, 2020 to complete the installation of the new crawlspace access door. Three rounds of pre mitigation IA and SS data have been completed. The initial sampling

event included an indoor air sample from the crawl space. No detections of vinyl chloride were reported in any of the samples during pre mitigation sampling events. The final routine OM&M sampling event was completed on June 29, 2020 along with the first routine semi-annual OM&M monitoring event. All SMD monitoring points met the performance metric established by EGLE of -0.02 in wc. Once the analytical results have been reviewed and validated, the data package will be submitted to all parties as outlined in the access agreement. Modifications are being evaluated to improve system performance in the slab on grade portion of the home.

12100 Boston Post – The property owner declined an interim air purifier unit. An interim preemptive . mitigation system was installed as designed and has been in operation since March 25, 2019. The routine OM&M sampling event for the first guarter of 2020 was completed on February 10, 2020 along with the routine semi-annual OM&M monitoring event. The vacuum transmitter installed at sub-slab monitoring point SSMP-4 continues to confirm vacuum influence, and the other two sub-membrane monitoring points and two sub-slab monitoring points installed at this property were all measured at stronger vacuum influence. However sub-slab monitoring point SSMP-2 was measured at -0.001 in wc. Four rounds of IA and SS data have been completed. The initial sampling event included an indoor air sample from the crawl space. No detections of vinyl chloride were reported in any of the samples during pre and post mitigation sampling events. Arcadis has contacted the property owner to propose additional system modifications and will work with the homeowner to schedule the completion of this task. Additionally, during the OM&M visit, the homeowner again denied access to the shed, indicating that the roof is falling in. The homeowner stated that the shed may be accessible later this year if the roof is repaired by the homeowner. Arcadis will again request access to the shed during each routine semi-annual OM&M event until access has been granted.

An update of the data logged by the vacuum transmitter connected to sub-slab monitoring point SSMP-4 is presented below demonstrating that vacuum is continuously being maintained at SSMP-4.



The two negative peaks observed on the above data log occurred when there was a neighborhood wide power outage on July 13, 2020 at approximately 19:45 and July 18, 2020 at approximately 17:25. During the power outage, the vacuum transmitters were not recording correctly. Upon the power returning the vacuum transmitter readings returned to the normal range of -0.035 iwc. The two graphs below show the vacuum transmitter readings before and after the power outages.



Interim Preemptive Mitigation Systems Declined – Extension Requested

12121 Boston Post –The property owner was presented with an air purifier on March 21, 2019 as
part of the initial preemptive mitigation approach. The air purifier remained on the front porch until
March 24, 2019, when an Arcadis employee retrieved the unit. The air purifier was retrieved from the
location, so damage did not occur to the unit from being outside and exposed to the weather. The
draft design for the preemptive mitigation system was provided on March 29, 2019. On April 16, 2019,
the property owners sent an email indicating that Ford nor Arcadis had access to the property any
longer. A complaint was filed on July 10, 2019 in the Michigan state court to gain access to this home
to complete the installation of the interim preemptive mitigation system.

The suit seeking access to the property at 12121 Boston Post was removed by those property owners to federal court. Ford moved to remand that lawsuit to state court and it was remanded on January 7, 2020. Ford will continue to pursue access through that proceeding in state court. The property owners at 12121 Boston Post are the only remaining property owners currently refusing to allow the mitigation systems to be installed at their properties.

In the July 26, 2019 letter EGLE requested an update for the property located at 12034 Brewster. On April 19, 2019, Arcadis provided EGLE documentation based on groundwater data that had been collected from a newly installed shallow monitoring well MW-192S. Monitoring well MW-192S analytical results showed no presence of vinyl chloride or any other constituent of concern. Based upon that data the 100-foot buffer was moved to the north. Subsequently,12034 Brewster no longer resided in the 100-foot buffer; therefore, the installation of the interim preemptive mitigation system was put on hold. Although the interim preemptive mitigation system installation was put on hold vapor intrusion sampling continues.

Arcadis continues to work diligently to schedule the additional work at 12100 Boston Post and 34424 Capitol to complete the installation of the interim preemptive mitigation systems as well as to coordinate mitigation activities at the three remaining properties (34380 Capitol, 34450 Capitol, and 12124 Boston Post). Arcadis will continue to coordinate and complete OM&M activities as necessary to evaluate the performance of the operating preemptive mitigation systems.