



**RCRA Corrective Action** July 18, 2018

# GM GPS (formerly Powertrain) Bedford Facility, Bedford, Indiana

*Project Fact Sheet 46*

This is the forty-sixth Project Fact Sheet that has been prepared to provide the community with information regarding activities being performed at the Site. This Fact Sheet discusses cleanup activities being managed by General Motors LLC (GM) during the first half of 2018.

## Project Background

A new RCRA Administrative Order on Consent (AOC) between GM and U.S. EPA to complete the Corrective Action (CA) work was signed on August 4, 2014. The CA is being conducted at the GM GPS Bedford Facility.

## Facility Update

Within the East Plant Area at the GM Bedford Facility, construction of the Vault and low permeability cover system was completed in 2012. The cover system continues to be monitored on a quarterly basis (last completed in June 2018) and maintained as needed. US EPA has approved moving to semi-annual cover system inspections, which will begin in October 2018. The spring inspections will be conducted in April of each year. These inspection time frames are most likely to catch any maintenance issues based on previous monitoring.

Installation of the pilot perimeter groundwater trench collection system (Pilot Trench) along the northeast corner of the East Plant Area was completed in August 2016. Additional monitoring is planned in accordance with the Pilot Trench Construction Certification Report, which was submitted on June 22, 2018.

The Pilot Trench is being monitored to evaluate construction techniques and effectiveness of the trench. The Pilot Trench Performance Monitoring Plan was submitted on June 20, 2018.

A new groundwater treatment plant (GWTP) to support the bedrock trench was completed in March 2016. The GWTP treats groundwater from the Pilot Trench, Vault sumps, and Site Source Control wet wells prior to discharge to Bailey's Branch Creek in compliance with a National Pollution Discharge Elimination System (NPDES) Permit issued by the State of Indiana. Discharge sampling results to date have been within permit limits. The former groundwater treatment system was decommissioned during the second quarter of 2018.

Implementation of the Unsampled Areas Work Plan to conduct statistical sampling of remaining uncovered areas of the Facility was conducted during July 2016 as part of the RCRA Facility Investigation. Results from those sampling activities were submitted in February 2017. The result of the statistical evaluation of replicate samples collected during the incremental sampling plan implementation were submitted on March 28, 2018. Two areas needed additional sampling based on these results.



OLD GROUNDWATER TREATMENT SYSTEM DECOMMISSIONING WORK



TREE CLEARING FOR PHASE 2 OF TRENCH ALIGNMENT



GUARD RAIL AT STORMWATER POND



SPRING 18

Additional sampling near the clarifiers at GM's IWTP, west of GM Drive was conducted in June 2017. An additional phase of the Clarifier Soil Sampling program consisting of soil samples collected near Former South Lagoon #1, 2, and 3 was conducted in August 2017. Additional sampling will occur in the Clarifier area, as well as additional sampling to be conducted in the water treatment plant on the east side of GM Drive.

Sediment removal activities and pond lining are complete. The stormwater treatment system was cleaned and refurbished during the pond cleaning. The pond and treatment system are operational. The construction of a stair system to access the platform extending into the pond was completed in February 2018.

## Off-Site Activities Update

Spring 018 continues to be sampled on a quarterly basis to confirm the spring discharge is acceptable.

Soil and sediment removal to meet the approved project cleanup criteria for the floodplain areas in the watershed was completed in 2011, with the final restoration work downstream (west) of the Peerless Road Bridge within Pleasant Run Creek watershed completed in 2014. The Construction Certification Report for the Downstream Parcels Removal Action was approved on February 19, 2016.

## Roads Update

There has been no Project related heavy truck activity along Breckenridge and Peerless Road, as GM previously completed the East Plant Area work and the restoration work on Peerless Road. Current work at the Facility is primarily being accessed by on-Facility haul roads and GM Drive.

## Communications Update

The last neighborhood/public meeting was held on the evening of December 6, 2017. The presentation materials for this meeting can be found in the public library and are posted on the GM website at [www.BedfordPowertrainCorrectiveAction.com](http://www.BedfordPowertrainCorrectiveAction.com). Community Liaison Panel (CLP) meetings are no longer held separately.

The Documents Repository is available for viewing in PDF format on compact discs (CDs) at the Bedford Public Library. The online information repository also continues to be updated and maintained on the GM website, which can be accessed at [www.BedfordPowertrainCorrectiveAction.com](http://www.BedfordPowertrainCorrectiveAction.com).

A list of new project documents, submitted to the online information repository since Fact Sheet 45 is provided on this Fact Sheet, below.

This Fact Sheet has been provided to area residents through the U.S. Postal Service and by direct handout at the field trailers and community meetings. If you would like to receive this and future Fact Sheets through the mail, please contact Katie Kamm at (812) 277-8954 and you will be added to our mailing list or let Katie know if you no longer wish to receive it.

## Upcoming Activities Summary

The following is a list of anticipated work to be initiated or completed at the Site and property located off-Site over the next several months:

- Monitoring the vegetative cover systems and erosion controls and maintenance of the Vault and East Plant Area cover systems as required.
- Monitoring the Pilot Trench operation and effectiveness.
- Monitoring Spring 018.
- Collecting groundwater within the East Plant Area, and treatment of collected water at the GWTP prior to discharge to the creek system.
- Continuing groundwater monitoring and sampling activities.
- Collect follow-up soil samples (grab) from the incremental soil sampling program.
- Conduct the Pilot Trench dye trace study
- Completing the Stormwater Pond Sediment Removal Construction Certification Report.



## Public Access Website at...

[www.BedfordPowertrainCorrectiveAction.com](http://www.BedfordPowertrainCorrectiveAction.com)

*Get up-to-date project information and view project related documents.*

The following documents have been submitted to the U.S. EPA and IDEM since Fact Sheet 45 and are available for review on the website and at the Public Library.

- Progress Report 67 – Fourth Quarter 2017
- Progress Report 68 – First Quarter 2018
- Phase 2 Trench Design Report
- Pilot Trench Monitoring Plan
- Pilot Trench Construction Certification Report

Public Presentation  
December 6, 2017

## Contact Information

If you would like more information about this project, please contact any of the following:

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