

Work completed between 6/01/2018 and 9/28/2018 included the following:

- Completed In-Situ Solidification (ISS) column drilling around the perimeter of the site. (See photo #1)
- Performed inspections of the installed sedimentation controls, in accordance with the Soil Erosion and Sedimentation Control permit.
- Conducted construction and perimeter air monitoring.
- Continued transporting and stockpiling overburden soil to the staging area. (See photo #2)
- Performed sampling of stockpiled overburden material for potential reuse.
- Transported and disposed of unsuitable soil and debris offsite to the project landfill.
- Installed a turbidity curtain for resuspension control in the Manistee River to allow work along the bank. (See photo #3)
- On July 2, a portion of a human skull and other osseous material were discovered during excavation of upland areas. Work at the site stopped and local law enforcement and regulatory officials were notified. Since Consumers Energy was issued a joint permit in March 2018 from the Michigan Department of Environmental Quality and the U.S. Army Corp of Engineers Regulatory Office (Corp) to conduct the work, the Corp is revisiting their historic property review of the site under Section 106 of the National Historic Preservation Act. In consultation among Consumers Energy, the Corp, several federally recognized tribes, and the Michigan State Historic Preservation Office, a Phase I archeological survey was conducted between September 13 and 21. Based on results from this survey, Consumers Energy received authorization to resume site remediation operations. Construction activities, in coordination with stakeholders listed above, resumed on Monday, September 17. Depending on results of soil monitoring and progress of excavation / ISS activities, Consumer Energy will likely shut down for the winter and finish remaining work in spring/summer 2019.

Upcoming work includes the following:

- Continue inspections of the installed sedimentation controls around the perimeter.
- Continue construction and perimeter air monitoring.
- Continue excavating and staging overburden material for sampling and potential reuse.
- Initiate bucket mixing ISS as soon as overburden material is removed.
- Initiate jet grouting activities.

Associated pictures:

Photo No. 1:
Performing perimeter ISS column installation along west side of the site
(photo taken facing north)



Associated pictures:

Photo No. 2:
Overburden soil stockpiling
(photo taken facing north)



Associated pictures:

Photo No. 3:
Turbidity curtain installation
(photo taken facing west)

