



1811 Executive Drive | Suite J | 317.595.6492
Indianapolis, IN 46241

April 4, 2025

Ms. Patricia Abbott
Munster Town Hall
1005 Ridge Road
Munster, Indiana 46231

RE: Town of Munster Landfill Leachate Cell Riser Panel Replacements
Lake County, Munster, Indiana

Dear Ms. Abbott:

The Indiana Department of Environmental Management (IDEM) requires that the landfills base liner system maintain a leachate level of one foot or less in post-closure conditions. The site design for the Munster Landfill is designed to have landfill leachate drain to five (5) different leachate collection sumps. The southern three (3) leachate collection sumps pump to a common underground storage tank located at the southwestern corner of the landfill along Calumet Avenue. The northern two (2) leachate collection sumps pump to a common underground storage tank located at the northwestern corner of the landfill along Calumet Avenue. Each leachate collection sump has a primary collection submersible pump and pressure transducer that provide a digital display of liquid level and provide for automatic operation of the pump to remove the collected leachate on the base liner system.

In 2024, both the north and south lift stations (underground storage tanks) were replaced so that leachate in these underground storage tanks could be disposed off-site to the direct connect sanitary sewer system. Each lift station has a submersible lift station pump, pressure transducer and control panel that was replaced in late 2024. When we started this investigation last year, most of these five (5) leachate collection sump systems were either powered off or not working. Each of these leachate collection sump systems were discussed late last year to evaluate and get them working again in 2025 after completing the north and south lift station work in 2024.

The proposal to replace each of the leachate sump control panels are necessary and required so that all five (5) of the leachate collection sumps can function once again as designed and remove leachate from the landfill through the new lift stations to maintain compliance with IDEM regulations. An assessment has been completed on each leachate collection sump panel including photographs that document the amount of rust, corrosion, moisture, and rodents that have nested in these control cabinets. At this time, it appears as though there is a working submersible pump and pressure transducer in each leachate collection sump based on the electrician's assessment. There are a number of spare pumps that were located in the Centennial Park maintenance building that were in storage. These pumps will be tested to determine if they work or can be used in the future once the replacement leachate sump control panels have been installed.

If you have any questions regarding this information, please contact me at (317) 595-6492.

Sincerely,

A handwritten signature in blue ink, appearing to read "Derek Mauntel".

Derek Mauntel
Project Director

cc: Mr. Mark Heintz, Town of Munster (Email w/Enclosure)
Mr. Kevin Dark, Town of Munster (Email w/Enclosure)
Ms. Wendy Mis, Town of Munster (Email w/Enclosure)