

## APPLICATION OVERVIEW:

In collaboration with Bradford County, we designed and constructed a leachate pump station for the Northern Tier Solid Waste Authority landfill, aiming to provide a sustainable long-term solution. Our HDPE wet well design is resistant to chemical degradation, provides a long service life, and comes prepackaged as a monolithic structure to eliminate the risk of groundwater intrusion.

## PUMP STATION DETAILS:

We fabricated the 8 ft. diameter by 25 ft. deep weholite HDPE wet well per ASTM F894 specs. An integral valve vault was designed into the structure within the top 5 feet of the basin and this included a SS floor grating and access ladder. Two 3HP Stancor stainless steel submersible pumps were installed to meet the design requirements. All station components were delivered to the site prefabricated, ensuring a seamless and straight forward installation.

## INSTALLATION:

The installation was completed by Bradford County with the oversight of Excel Fluid Group as shown below.

## **Bradford County, Northern Tier Solid Waste Authority Leachate Lift Station**



### **PUMP SYSTEM**

**1) EXCEL HDPE Lift Station**



### **INSTALL DATE**

**January 2023**



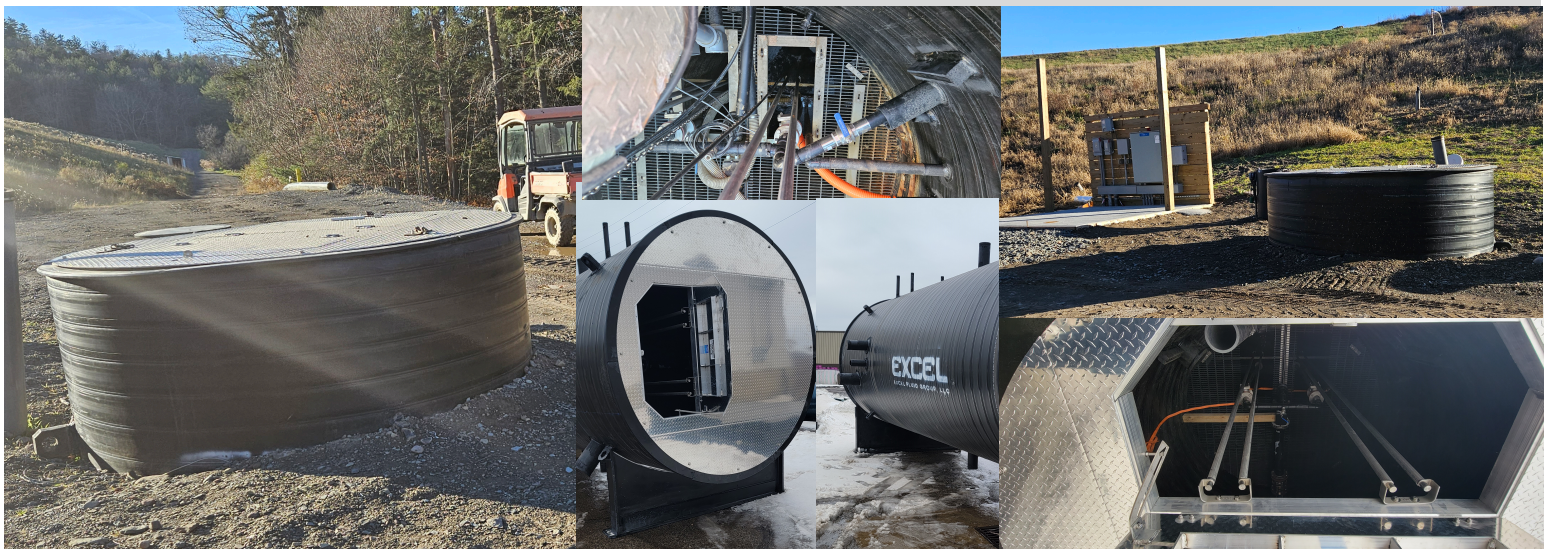
### **OPERATIONAL IMPROVEMENT**

**100 Year Design Life**



### **SERVICE AREA**

**Northern Tier Solid Waste Authority**



**March 2023**

**Design-Build Pump Stations**