

APPLICATION OVERVIEW:

In collaboration with Middough and Messer, we designed an industrial wastewater pump station for the new industrial Messer Air Separation Unit in Indianapolis, Indiana. This pump station is designed to collect all sanitary wastewater and pump it off-site to the local sewer system.

PUMP STATION DETAILS:

Our team engineered and constructed this prefabricated duplex fiberglass pump station, measuring 5 ft. in diameter and 10.5 ft. in depth. Excel Fluid Group factory-installed all components within the wet well, including the piping and valves. This setup features two Barnes submersible non-clog pumps, delivering the necessary 129 GPM at 12 TDH, all controlled by an Excel NEMA 4X SS duplex control panel equipped with a PLC for the main level control transducer and auxiliary float switches.

INSTALLATION:

The installation was completed by Messer with the oversight of Excel Fluid Group as shown below:



May 2021

Indianapolis, IN
Messer-Indianapolis ASU



PUMP SYSTEM
EXCEL Fiberglass Pump Station




INSTALL DATE
March 2021



OPERATIONAL IMPROVEMENT
Sanitary Wastewater for Messer Plant



SERVICE AREA
Messer Air Separation Unit

MESSER 
Gases for Life
middough®

Design-Build Pump Stations