

HydroFLOW Case Study

Sludge Line Struvite Treatment

Installed: June 2022 Last Inspection: July 2023



Background

The Customer

A wastewater treatment plant in Chicago Illinois, United States.

The Customer's Problem

Struvite accumulation in the plant's digested sludge line causes reduced flow rates, leading to shut down and chemical cleaning of the 2-mile underground line to restore necessary flow rates.

The plant chose to perform a *HydroFLOW* product evaluation to prevent struvite accumulation, reduce maintenance, and decrease chemical usage.



Installed Equipment

In June 2022, a *HydroFLOW* i150 unit was installed on the 6" line leaving the building.



Installed *HydroFLOW* i150 Unit



Results

After 3 months of operation, *HydroFLOW* was able to reduce scaling and maintain consistent flow rates. With chemical usage cut in half, the customer received a 6-month ROI on the equipment.

For more information, please contact: bjorn@hydroflowmidwest.com