

BARNES®

CEDAR COVE LIFT STATION Fishers, IN

Application Overview

The municipality of Fishers is located in central Indiana. The Cedar Cove lift station is a duplex station that receives sewage from primarily residential applications including an apartment complex. The Cedar Cove lift station was constructed in the early 1990's.

The Cedar Cove lift station is a duplex station outfitted with two submersible 230 volt three phase pumps. The design capacity is 180 gpm at 96 feet total dynamic head (TDH). By 2011, the lift station was in major need of renovation. The existing pumps were clogging so frequently that a third pump was purchased to rotate into production slots to facilitate repairs while maintaining lift station capacity. This routine was labor intensive and costing the municipality approximately \$8,500 a year in repair costs.

Installation

The town worked with American Pump Repair & Service, Inc. for a number of years. The municipality trusted Barnes submersible solids handling pumps since an initial installation was successful in one of the town's other 22 lift stations. The success of the initial installation led the Assistant Director of Town of Fishers Public Works Department to rely on APRS for a solution that would decrease maintenance calls. They suggested two Barnes 20HP 4SHVB20082 with a vortex impeller to best handle the stringy sewage solids. The pumps were installed in August of 2012. The success of the initial installation has lead to a proactive program of submersible pump replacement with the CP&S product line. The municipality has seen an overall cost reduction. They have greatly reduced service calls and maintenance costs. The third pump that was often brought into production during repair is no longer needed.

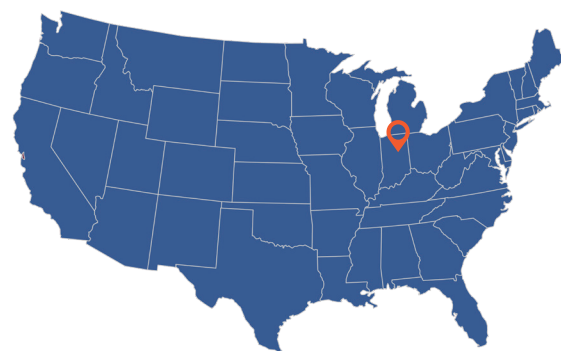
Key Takeaways

Pain Points

- Existing pumps were clogging so frequently that a third pump was purchased to rotate into production slots to facilitate repairs while maintaining lift station capacity
- This cost the municipality approximately \$8,500 a year in repair costs

Solution

- Crane Pumps & Systems and their channel partner installed a 4SHV vortex solids handling pumps
- The success of the initial installation has lead to a program of submersible pump replacement with the CP&S product line



PUMP

Barnes SH Solids Handling



OPERATIONAL IMPROVEMENT

Minimized Clogging



INSTALL DATE

August 2012



MUNICIPALITY POPULATION

90,000

