

## Applications & Systems

### IN BRIEF:

#### SITE/LOCATION:

Westfield, IN

The city of Westfield has a population of 30,000 people and is experiencing 300% growth. One of the 26 lift stations is managed by Citizens Energy Group and owned by its affiliate, Citizens Wastewater of Westfield, LLC (collectively "Citizens"). This lift station supports the Grand Park Sports Complex and a retirement home.

#### PROBLEM:

The lift station located on Tomlinson Road is a duplex lift station that previously operated with two 10 HP non-clog pumps. Weekly clogging and ragging issues required up to 40 hours a week of overtime.

#### SOLUTION:

American Pump Repair & Service Inc., a Crane Pumps & Systems channel partner, recommended upgrading the lift station with two Barnes 6SHV solids handling 60 HP pumps. The larger pumps and vortex design by Crane Pumps & Systems' Barnes provides a clog-free solution by handling ragging and a high volume of solids.

## Barnes SH Design Supports High Volumes and Eliminates Ragging

### Barnes Solids Handling

Westfield, IN is a growing suburb of Indianapolis, IN and was voted by CNN Money magazine one of the top 50 best places to live in 2013. Growth spikes have resulted in construction of multiple subdivisions and other community projects. The Grand Park project was started in 2012 and is the largest sports complex in the Midwest.



GRAND PARK SPORTS COMPLEX

Rapid growth of the city and the construction of the sports complex put added pressure on the area's infrastructure, including the wastewater lift stations. Citizens Energy Group affiliate Citizens Westfield owns and operates the combination water, wastewater and natural gas utility in the city.

The Tomlinson Road duplex lift station was clogging multiple times a week because of the high volume of hand wipes and other materials that cause ragging. The lift station also has changing flows due to people being in-and-out for sporting events. The clogs were causing frequent, unnecessary maintenance trips, overtime and off-hour interruptions for the service crew.

Citizens worked with American Pump Repair & Service, Inc. to design a better solution. Randy Higginbotham, Waste Water Supervisor for Citizens, was instantly interested in a Barnes solids handling pump after touring the Crane Pumps & Systems manufacturing facility. The lift station was upgraded with a new rail system to better accommodate the area's growth and two Barnes 6" Vortex 60 HP pumps.



BARNES 6SH PUMP

Citizens chose Barnes SH Series for reasons that include the attractive 5 year warranty, competitive lead-time and maintenance saving plug-n-play feature. American Pump Repair & Service Inc. and Barnes SH Series eliminated frequent expensive service calls and equipped the lift station for future growth.

*"The capability of the non-clog features peaked my interest. The tremendous amount of savings in time alone was well worth the effort!"*  
- Randy Higginbotham,  
Waste Water Supervisor



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