Sulzer Pumps Reduce Downtime at Water Utility

Winslow Township is the largest town in Camden County, NJ, USA. The town runs its own in-house water and sewer utility. The pumps installed in the two pumps stations—Ivy Hall and Victoria Manor—often clogged and experienced reliability issues. Even partially clogged pumps greatly reduce energy efficiency. Customer callout time and overtime to service these stations was very high.

CASE STUDY

The challenge
The Winslow Township sought relief from its clog-prone, unreliable pumps. The customer required strong local service support and superior product technology to solve their problem.

The solution
Sulzer supported Winslow in the upgrade and expansion of its municipal water and sewer system by supplying Ivy Hall and Victoria Manor with more reliable submersible sewage pumps type ABS XFP. These pumps handle the tough solids better than the competitor’s clog-prone pumps did. To better service its customers locally, Sulzer invested by leveraging the state-of-the-art manufacturing facility in Easley, SC, for configuration and testing of submersible wastewater pumps.

Customer benefit
- The Sulzer pumps provided with Contrablock Plus impellers immediately solved the clogging issue.
- Winslow Township has not experienced any clogging with these pumps in over a year of service.
- Reduced down-time and energy consumption.
- Maintenance personnel have had more time to attend to other municipal maintenance issues aside from unblocking or servicing pumps.
- The XFP pumps benefit from significantly efficient Premium Efficiency IE3 motors and hydraulics, resulting in substantial energy savings.
Product data
Sulzer submersible sewage pump type ABS XFP provides reliable, economical pumping of heavily polluted sewage in commercial, industrial and municipal applications.

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<tr>
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<th>XFP 100G CB1 PE210/4</th>
<th>XFP 150E CB1 PE75/4</th>
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<tbody>
<tr>
<td><strong>Flow</strong></td>
<td>183.3 m³/h (807 USgpm)</td>
<td>215.8 m³/h (950 USgpm)</td>
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<tr>
<td><strong>Head</strong></td>
<td>23.2 m (76 ft)</td>
<td>5.8 m (19 ft)</td>
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<tr>
<td><strong>Impeller diameter</strong></td>
<td>270 mm</td>
<td>190 mm</td>
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<tr>
<td><strong>Frequency</strong></td>
<td>60 Hz</td>
<td>60 Hz</td>
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<tr>
<td><strong>Hydraulic efficiency</strong></td>
<td>70.2%</td>
<td>58.8%</td>
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For more information on our submersible pumps, please visit sulzer.com.

The ABS XFP pumps provide reliable and economical pumping of heavily polluted sewage in commercial, industrial and municipal applications.

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Applicable markets
Wastewater

Applicable products
Submersible sewage pump type ABS XFP