

## CITY OF PHILADELPHIA REPLACES NON-CLOG PUMPS WITH XCS-12 MODELS

The City of Philadelphia's Southwest Water Pollution Control Plant is in the final phase of completing a long term project to replace all thirty of their Return Activated Sludge pumps. At a design flow rate of 194 million gallons per day this plant has a significant amount of RAS to move which was resulting in a large maintenance headache. The existing non-clog pumps were ... clogging, and doing so on a very regular basis. The time involved in cleaning out the pumps was frustrating enough, but it was also pulling personnel away from the more productive work of increasing plant efficiency and reliability. In addition, the non-clog pumps were requiring a significant yearly budget to replace all of the wearing components.

To convince the plant personnel that a Screw Centrifugal pump was the answer to their problems, Hayward Gordon supplied a trial XCS-12 to "use and abuse". In fairly short order the plant was convinced that the XCS pumps would be a vast improvement and began referring to these pumps as "the clog-free design". Over the last few years they have purchased 30 of these pumps and to date "the only maintenance required so far, has been routine preventative maintenance".

While this particular project at the southwest plant is in its final phase, we have discovered other areas requiring improvements including CHOPX pumps on their mixed sludge application and more

XCS pumps to replace their existing storm water pumps.

*Ed Zalewski of Sherwood Logan admires one of the XCS-12 pumps at the Philadelphia Southwest WPCP.*

