



Phosphorous Removal & Excess Flow Improvements Project

Flagg Creek Water Reclamation District applied for and received a \$4 million loan from the Illinois Environmental Protection Agency (IEPA) for the construction of the **Phosphorous Removal and Excess Flow Improvements Project**. The repayment of this low interest loan (1.56%) over 20 years allows the District to build this project without putting undue stress on its annual budget. The phosphorus removal component of the project is a new requirement of the IEPA in our wastewater treatment permit. The terms of our permit require that this work be completed by August 1, 2019.

The project consists of the construction of two chemical tanks, three chemical dosing pumps, a phosphorus analyzer for chemical removal of phosphorus from the wastewater, conversion of the two clarifiers to dedicated phosphorus settling tanks, a backup submersible pump from these tanks, replacement of two grit washers, conversion of a third clarifier to dedicated excess flow treatment, and a new plant drain pipe.