

Wastewater Treatment Plant Project Update

The City's Wastewater Treatment Plant is currently undergoing a \$5.6 million upgrade, which started in the fall of 2018. The link on the website to the project photos provides before and after photos of the work that has been completed so far. The first five pages of photos refer to the "filter room" and the "filter room pipe gallery". This is the area that provides the final cleaning of the water before it is discharged into the Huron River. Previously, sand filters provided the final polishing of the water. This system has now been replaced with the blue disk filters that are shown in the photos. The new disk filters were selected because they have superior performance compared to sand filter technology. This enhanced filter performance is expected to keep the City of Dexter in compliance with the increasingly stringent water quality standards for years to come.

Pages 6 through 9 of the photos show the progress on what is referred to as the "headworks building". The new building will house the system that removes the grit and solids from the water as soon as it gets to the treatment plant. Solids and grit are undesirable in the treatment process as they create blockages in the flow stream, cause excessive wear and tear of treatment equipment and reduce capacity of storage tanks. These improvements will benefit the entire treatment process by removing solid material from the sewage as it enters the treatment process.

The headworks building was constructed using precast concrete walls. A time lapse video of the installation of the walls is available on the website.

This project is one of the largest projects undertaken at the Dexter Wastewater Treatment Plant. With the replacement of the screening, grit removal and filtration systems, we say goodbye to the last of the original 1977 process equipment. These replacements ensure that our community will continue to have an effective and reliable treatment plant to serve our wastewater processing needs, while protecting our essential natural resource – the Huron River.