

### **PROJECT BULLETIN**

SIMPLE STEPS: BIG BENEFITS FOR THE MOHAWK RIVER

WINTER 2022

## The Path Ahead: 2022 Projects



# 2021 Project Highlights

### Oneida County Water Pollution Control Plant (WPCP) Upgrades

- Completed construction on a new 27 million gallon per day (MGD) pump station/ screen facility for sanitary sewer flow
- Refurbished the existing 49 MGD pump station for combined sewer flows
- Placed the new force main from the Sauquoit Creek Pump Station into service, conveying peak flow of 38 MGD directly to the WPCP
- Installed new primary settling tanks to accommodate the new peak flow of 111 MGD
- Installed a new high-rate disinfection tank for wet weather combined sewer overflows
- Received a \$1.2 million grant to expand the existing digester gas energy recovery system (microturbines)







#### State DEC Extends Consent Order Deadline

The New York State Department of Environmental Conservation (NYSDEC) approved Oneida County's request to extend the consent order deadline by one year to December 31, 2022. The extension was requested after COVID-related supply chain issues and extreme wet weather events delayed the project schedule.

#### About the consent order

On July 11, 2007, the Oneida County entered into a consent order with the NYSDEC pertaining to wet weather discharges into the Mohawk River from the Sauquoit Creek Pumping Station. The consent order settled an enforcement action that had been brought by NYSDEC against the County since the County holds the permit for discharges from the sewer district to the river. Since that date, Oneida County has invested millions of dollars in its efforts to complete extensive, but necessary, repairs and upgrades.

# Planned Work 2022

#### Sauquoit Creek Force Main Upgrades

• A new 42-inch force main is in service and is conveying peak flows up to 38 MGD. Rehabilitation of the existing 30-inch force main began in 2021 and is ongoing. The peak flow from the Sauquoit Creek Pump Station has more than doubled, thereby reducing sanitary sewer overflows to the Mohawk River.

#### **Barnes Avenue Pumping Station Upgrades**

• Upgrading the existing 1.5 MGD pump station to replace equipment that has reached the end of its useful service life is anticipated to begin in 2022. Upgrades will include the installation of a new backup generator; electrical, mechanical, and architectural upgrades; and connecting the pumping station to the new and rehabilitated Sauquoit Creek Pumping Station force mains, among others.

#### WPCP Secondary Treatment Process Upgrades

Much work has been completed in the WPCP secondary treatment process. Ongoing work includes:

- Installation of substation manholes and electrical conduit in the blower building
- Installation of aeration piping, railing, and electrical conduit are ongoing, as well as concrete repairs, in Aeration Tank No. 3
- Demolition of Incinerator No. 1 is complete, with demolition of Incineration No. 3 in progress

#### **Sewer Rehabilitation Project**

• Flow data, mapping, and SSES (smoke testing/CCTV) results are currently being assessed to determine location(s) most appropriate for continued sewer system rehabilitation; 16 prior rehabilitation construction contracts have been completed to date. The current focus is in the Town of New Hartford, Village of New Hartford, and Village of Yorkville for three new, separate, construction contracts. This project is anticipated to go to bid in 2022.

#### **Private Property Inflow/Infiltration Reduction**

Oneida County has made major accomplishments toward the reduction of inflow/infiltration (I/I) in the public sanitary sewer system tributary to the SCPS. However, continued success will be dependent on advancement of a formal program to reduce I/I on the private property side of the system. Throughout 2022, Operation Ripple Effect<sup>™</sup> will work with property owners and municipalities to help them understand their role in I/I and how to correct these issues.











#### Our Mission

Normally, our sanitary sewer system has enough capacity to operate properly. But when we get heavy rains or sudden snow melts, stormwater overwhelms the system and causes overflows into the Mohawk River. That stormwater runoff enters the sanitary sewer system from multiple sources, including deteriorated and damaged public sanitary sewers and private property connections, such as roof leaders and sump pumps.



Anthony J. Picente Jr., County Executive Karl Schrantz, Commissioner Department of Water Quality Control and Water Pollution Contact **info@paigegroup.com** to schedule a briefing. For more news and reports, visit <u>www.RippleEffectOCSD.org</u>. *An Initiative of the Oneida County Sewer District* 

**Operation Ripple Effect** is a program of the Oneida County Sewer District that asks residents, businesses, and municipalities to do their part to reduce overflows. Together, we can help keep the Mohawk River clean.