



The Path Ahead: 2020 Work Plan in Progress

The Oneida County Department of Water Quality and Water Pollution Control has published its Annual Work Plan for this year. The plan (available at RippleEffectOCSD.org) outlines efforts the county will undertake in 2020 in support of the consent order compliance requirements. The work plan also summarizes the progress made by the county during 2019.

Project Milestones



Approximately **195 miles** of sewer, or **90% of the total sewers** in the Sauquoit Creek Pumping Station basin have been **televised**

.....



66 flow meters and five rain gauges have been **installed**

.....



Rehabilitated approximately **1,300 sanitary sewer manholes**

2019 Progress Highlights

Community Outreach and Education

- Developed a Main Street Storm Sewer project outreach plan
- Developed Mohawk River Champions Education Program digital kit – containing videos, worksheets, and educational materials – with the assistance of Oneida-Herkimer-Madison BOCES and shared with teachers across the region
- Produced and distributed stormwater mitigation content – rain barrel, rain garden and FOG brochures, videos and social media content
- Produced postcard series to educate residents on their role in PPII mitigation
 - » Community Outreach and Education materials can be found at www.RippleEffectOCSD.org

Capacity, Management, Operations, and Maintenance (CMOM) Program

- Oneida County Sewer District (OCSD) and the Oneida County Department of Health (OCDOH) already implemented a 2019 Fats, Oils, and Grease (FOG) program:
 - » Food service establishment (FSE) inspections began during third quarter of 2018, and continued in 2019. In doing so, inspectors verify that these organizations are not releasing fat-laden wash water or cooking oils into the sanitary sewer system. They look for evidence the FSE is following best management practices and have the proper plumbing fixtures in place. They also confirm they follow local and county sewer use ordinance.

Private Property Infiltration/Inflow Program

- A pilot private property inspection program was conducted in summer 2019 at the Clinton View Road subdivision in the Town of New Hartford. A total of 35 properties were visually inspected (exterior only) and included a limited number of homeowner interviews. The interviews and inspections documented that no roof leaders were connected to the sanitary sewer, 14 sump pump discharge connections could not be determined, and of the four verified connections to sanitary, three were disconnected and one was unknown if functional.

Flow Monitoring

- In 2015, 63 flow meters and five rain gauges were installed to monitor and consistently collect flow data throughout the Oneida County Sewer District. In late December 2019, three new flow meters were installed in the Starch Factory interceptor basin. These meters monitor flow through the sewer system while collecting data used to assess the effectiveness of the sewer system rehabilitation projects.



Operation Ripple Effect™ educational materials.

Planned Work 2020



SUMP PUMPS & RAIN GUTTERS that drain into the Sanitary Sewer System cause **BIG PROBLEMS!**

If your Sump Pump and Rain Gutters connect to a drain in your cellar, it more than likely drains directly into the Sanitary Sewer System.

ILLEGAL SUMP PUMPS & RAIN GUTTERS CAN ...

! **OVERLOAD THE SANITARY SEWER SYSTEM**

! **CAUSE SANITARY SEWER OVERLOAD CAUSING BACKUPS IN HOMES & STREETS**

! **DRIVE UNTREATED SEWAGE INTO THE MOHAWK RIVER**

! **DRIVE UP SANITARY SEWER RATES THROUGH INCREASED COSTS FOR PUMPING, TREATMENT, AND MAINTENANCE**

Operation Ripple Effect™ educational postcard.

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.

Community Outreach

- Continue to coordinate and facilitate Steering Committee meetings, Working Group meetings, and additional outreach meetings with officials and stakeholders, as required
- Continue to develop community education materials such as instructional flyers, videos, and displays
- Continue to develop Operation Ripple Effect Project News Bulletin containing the latest information on project milestones, public outreach activities, and other activities

Capacity, Management, Operations, and Maintenance (CMOM) Program

- **Fat, Oil, and Grease (FOG) Program:** Continue to progress implementation of the FOG inspection program
- **Municipal Collection System Coordination:** Provide engineering/technical support as needed to assist the county and/or municipalities with the investigation of sanitary sewer system issues

Private Property I/I Reduction Program

- **PPII Working Group:** Continue to collaborate with municipal representatives who will be responsible for helping to implement a community-based PPII reduction program
- **Long-Term Program Development and Implementation:** Advance the PPII program with a focus on developing a district-wide program that accounts for the unique composition and infrastructure status of each community
- **Community Education:** Educate affected communities on the necessity of PPII reduction through direct resident communications, materials development, targeted school outreach, and mass media

Flow Monitoring Program

- The First Quarter 2019 Progress Report provided updates on the flow monitoring data and rainfall-derived I/I (RDII) analysis for summer 2018 and winter 2019 events. In 2020, efforts will continue to use the flow monitoring data to evaluate sewer rehabilitation effectiveness and analyze select areas as needed. An update on these efforts will be presented in the First Quarter 2020 Progress Report.



Anthony J. Picente Jr., County Executive
Steven P. Devan, P.E., Commissioner
Department of Water Quality Control and Water Pollution

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.

Contact info@paigegroup.com to schedule a briefing.
For more news and reports, visit www.RippleEffectOCSD.org.
An Initiative of the Oneida County Sewer District