Clean Water
State Revolving Fund

WASTEWATER SYSTEM AND INFILTRATION/INFLOW REHABILITATION

STATE PROGRAM: West Virginia Department of Environmental Protection

ASSISTANCE RECIPIENT: City of Oak Hill

ASSISTANCE AMOUNT: $15M

PROJECT DESCRIPTION

The City of Oak Hill faced a daunting challenge of addressing significant sanitary sewer overflows and system failures at three wastewater treatment plants. One WWTP alone reported 20 treatment bypasses over a year-long period. To reduce the adverse impacts on the local community and comply with the Total Maximum Daily Loads (pollutant discharge limits) that were developed for nearby waterways, the City embarked on an overhaul of the area's wastewater infrastructure. The extensive project involved closing a failed WWTP and consolidating one public sewer district with the City of Oak Hill. Portions of the Oak Hill collection system and two existing WWTPs were also upgraded to eliminate sanitary sewer overflows and take on the rerouted flows from the decommissioned WWTP. Located in an economically disadvantaged community, this project also had the additional complication of one of the project areas being declared a Superfund site during construction. To address residents' concerns, construction was temporarily paused for the City, EPA, and contractors to conduct sampling. The testing results and new construction plans were shared through community meetings. The final project cost totaled over $23 million, of which $15 million came from CWSRF loans.

To read more about this case study, please visit https://www.epa.gov/system/files/documents/2022-02/2021-pisces-compendium.pdf.