

# Seneca Plant Solids Processing: Program 8075

## *Description:*

This project includes improvements and renewal of many components of the Seneca WWTP processes including new gravity belt thickeners, rehabilitation of many components of the incinerator and air pollution control, odor control, new aeration blowers, primary clarifier scum collection, aeration basin instrumentation and equipment, plant compressed air system, headworks generator, re-lighting of the tunnel system, and repurposing the N-Viro building into a maintenance shop and warehouse.

Small, time sensitive projects, including the installation of a caustic delivery system to the incinerators and the replacement of the main electrical feeder tie switch entering the plant have been completed.

## *Purpose and Justification:*

By March 2016, the Seneca WWTP was required to meet new emissions guidelines published by EPA in March 2011 for “existing” multiple hearth incinerators. To meet these new emission limits, the Seneca incinerators needs new wet scrubbers and the addition of a caustic delivery system to reliably reduce SO2 levels.

In addition, a condition assessment of the Seneca solids processing facilities was conducted to determine which facilities need renewal to ensure continued reliable service based on the condition assessment, the following facilities need renewal: solids building roof, boiler system, warehouse building, primary scum pits, and odor control scrubber. Minor repairs/modifications to the incinerator and flue gas trains are also included in this project.

