DANSVILLE WASTEWATER TREATMENT PLANT

Dansville, New York

Completion Date
2016

Location
Dansville, New York

Client
Village of Dansville

This award winning project involves comprehensive upgrades and facility expansion to the village wastewater treatment plant. The existing plant was originally constructed in the 1930s, and underwent major upgrades in 1978 to include secondary treatment, and again in 1997 to add aerobic digesters. Because of aging equipment, the wastewater treatment plant was challenged to provide adequate capacity for regional growth and was confronted by the increasing possibility that it would not be able to meet more stringent regulatory effluent limits.

MRB Group evaluated the operation of the existing wastewater treatment plant, identified inefficiencies, provided recommendations, and researched funding opportunities. In a July 2010 report, it was determined that significant infrastructure upgrades and new construction to the existing plant were needed for the long-term viability of operations, for the environmental protection of Canaseraga Creek, a tributary of the Genesee River, and for the long-term vitality of the village itself.

MRB Group designed a plant that would surpass minimum operational standards, provide the Village of Dansville capacity for future economic development, and most importantly, improve water quality in the Canaseraga Creek and Genesee River watersheds.

Specific improvements currently under construction are:

- Conversion of the existing aeration tanks into aerobic digesters;
- Conversion of the existing aerobic digesters into a process building, to support a chemical room, blower room, and office/laboratory;
- New influent building to house screening, de-gritting, and pumping equipment;
- New Sequencing Batch Reactors (SBRs);
- New sludge de-watering building; and
- New composting building.

With assistance from MRB Group, the Village secured an attractive funding package from the New York State Environmental Facilities Corporation

MRB group