



The Brattleboro, Vermont Pleasant Valley Reservoir Water Treatment Facility was originally constructed in 1988. Since that time the facility has experienced difficulties with coagulation and operation of the adsorption clarifier/filters. The Town of Brattleboro initiated an evaluation of the facility in 2000 to identify deficiencies and recommended improvements. As a result of that evaluation the following improvements were included in a comprehensive facility upgrade:

- Increase raw water pipe diameter for additional coagulation contact time.
- Building addition for equipment.
- Addition of a fourth clarifier/filter unit.
- Addition of filter rinse provisions.
- Building addition for air handling equipment, storage and maintenance.
- Modification to existing lagoons.
- Construction of freezing/drying bed.
- Controls, instrumentation and SCADA replacement.
- Wide Area Network.

KEY FEATURES

- Significant reduction in operating staff labor requirements.
- Maintain facility flow and uninterrupted supply to the Town of Brattleboro during construction.
- Annual and long-term cost savings for residuals handling and disposal.
- Enhanced public health protection by eliminating potential turbidity spikes, giardia or cryptosporidium contamination.