

# WATER TREATMENT FACILITY & INTAKE IMPROVEMENTS

TOWN OF BENNINGTON, VERMONT



*Bennington WTF*



*Bennington Source*

The Town of Bennington initiated a water system evaluation for preparation of a water system master plan and capital improvements plan in July 2000. As a result of the evaluation and subsequent regulatory violations for high disinfection byproducts the Town initiated final design activities for the following:

- Traveling screen at intake.
- Individual filter flow meters and flow controllers.
- 1.2 mg precast prestressed clearwell.
- Modified corrosion control treatment scheme to correct calcium deficient finished water.
- Reserve space for installation of ultra violet (UV) light disinfection.
- Ammonium sulfate feed system for creation of chloramines as secondary disinfection.
- Residuals handling thickener and freezing/drying bed.
- Modified controls, instrumentation and SCADA system.

The construction cost in 2005 dollars was \$6,280,000.

## KEY FEATURES:

- First surface water treatment facility in Vermont designed for ultra violet light disinfection.
- Improvement project ranked highest priority by ANR.
- First Vermont facility to implement chloramination for secondary disinfection.