

# WATER TREATMENT FACILITY IMPROVEMENTS

CITY OF CLAREMONT, NEW HAMPSHIRE



*0.5 mg Clearwell*

In 2004, Dufresne Group completed the Basis of Design report for upgrades to the existing Water Treatment Facility. As a result of the design evaluation and subsequent violations for high lead and copper, the City initiated final design activities for the \$3.5M construction project consisting of:

- GAC Filter Upgrades
- A 0.5 mg Concrete Clearwell
- A Lime Storage and Feed System
- A Carbon Dioxide Storage and Feed System
- A Source Control Vault
- High Pressure Pumping System
- An Upgraded SCADA and Data Logging System
- A New Baffle System for the In-Plant Clearwell
- A Metering Vault
- Various Structural, Architectural and HVAC Improvements to the Water Treatment Facility Building

## KEY FEATURES:

- Disinfection byproduct removal using GAC filter media.
- Corrosion control using hydrated lime silo and CO<sub>2</sub>.
- Clearwell baffle curtain system for CT.
- Total SCADA system.