

Owner:

City of Berlin, NH

Contractor:

Apex Construction, Inc.

Engineer:

Wright-Pierce



Project Highlights:

The City of Berlin, NH has been a valued repeat customer since 1994 in both the water and wastewater departments. Under a subcontract with Apex Construction, with whom we also have a long-standing relationship, Electrical Installations, Inc. was selected to provide instrumentation and process control for a major upgrade and modernization of the Wastewater Treatment Plant.

The project consisted of installing and adjusting new rake mechanisms for each of seven clarifiers; extensive digital instrumentation and energy saving equipment with automation controls to maintain set points under varying conditions were installed for all critical processes; eleven new PLC's (Programmable Logic Controllers) were set up for local control of

individual processes; and a state-of-the-art SCADA (Supervisory Control and Data Acquisition) system was designed and implemented for remote control operations and more thorough data acquisition and handling at three new operator stations in the plant. Utilizing complex design drawings, generated by Brian and Darlene Chevrette, 25 control panels were manufactured in our UL listed panel shop under the direction of Matt Blood.

This was a particularly challenging project, as all plant operations were maintained while bringing the new equipment on line in order to ensure compliance with EPA regulations, but Project Manager, Jim Fritz, ably assisted by Jimmy Fritz, guided the project to successful completion.