

Devils Lake Water Treatment Plant



Devils Lake, North Dakota

Electrical Construction: \$815,000

Year Completed: 2010

Project Manager: James Schmidt

Project Foreman: Brad Erickstad

Architect/Engineer: AE2S



After 50 years of dealing with iron and manganese in their water supply, the City of Devils Lake has a new \$18 million Water Treatment Plant to remove the minerals. Bergstrom Electric served as the Electrical Contractor for the two story, 8,700 square foot facility.

Bergstrom crews installed a 2400 amp 480 volt system with a 400 kW backup Generator to supply power to the building. In addition, Bergstrom crews wired the facility's elaborate control system that interconnected every valve, pump, and solenoid. *"It connected everything, right down to monitoring the doors of the building,"* explained James Schmidt, the Project Manager.

A unique challenge involved the double layer rebar mat within which Bergstrom had to lay their conduit. It required a lot of planning and imagination to get the control piping to the correct areas of the plant with very little reference points, but Bergstrom crews were able to handle the obstacle with little difficulty.

The project required 15,000 feet of conduit and 110,000 feet of wire. Work started in the fall of

2009 and it took Bergstrom 3926 man-hours to complete their work by December of 2010.



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