



Water Works Systems

Wells No. 8 & 9, Wells No. 8 & 9 Treatment Facilities
Minooka, Illinois

Construction Cost:

\$5,275,000

Project Features:

- 2 - 1,000 gpm Ironton-Galesville wells (No. 8 & 9)
- 2 - Cation exchange treatment facilities
- SCADA system
- Brine storage tank



Water treatment facility



Three 8 foot diameter cation exchange units

In 2004, the Village of Minooka responded to ongoing and forecasted growth within the community by selecting EEI to provide design and construction engineering services for two new deep Ironton-Galesville 400 horsepower water wells (No. 8 and 9) rated at 1000 gpm each, two cation exchange treatment facilities and a SCADA system to monitor and control the new improvements together with their existing Water Works System.

The water treatment facilities for Wells No. 8 and 9 each consist of three 8 foot diameter cation exchange units, one brine tank, one surge tank, chemical feed equipment, laboratory equipment, piping and controls.

The SCADA system was built on Allen Bradley PLC protocol with a new central computer located at the Public Works Facility operating on the Wonderware programming format. Communication for all of the sites is through spread spectrum radios.

Both wells and water treatment facilities will be on line prior to peak water use in 2006.



Well construction