



## Water Works Systems

Well No. 8 Rehabilitation, Well No. 8 Treatment Facility  
Montgomery, Illinois



**Construction Cost:**  
\$1,128,000

**Project Features:**

- Water Works Needs Assessment & Project Plan
- Cation Exchange Treatment Facility
- Brine Storage Tank
- 1,225 gpm Well No. 8 Rehabilitation
- Control Improvements



Water Treatment Facility Construction

In 1998, the Village of Montgomery and Engineering Enterprises, Inc. (EEI) began comprehensive planning to provide needed improvements to the Village's Water Works System.

The Village adopted a 5 year plan that would add storage, additional water supply and treatment, provide an advanced control system and monitoring system (SCADA), and rehabilitate existing facilities and infrastructure.

The improvements were funded through the Illinois Environmental Protection Agency (IEPA) Low Interest Loan Fund and water rates.

The focus of this exciting project was to add a Cation Exchange Treatment Facility at the existing Well No. 8 site to reduce the radium and hardness levels from the

water produced from Well No. 8 to allow the well to be put into service. Well No. 8 was not connected to the Village's Lime Softening Treatment Facility (LSTF) and EEI demonstrated that it would be more cost-effective to construct a treatment facility at the Well No. 8 site than to construct raw water main to the LSTF. Furthermore, a second water treatment facility reduces the Village's vulnerability risk, as well.



Water Treatment Unit & Piping