



Water Works Systems

Water Works System Improvements
Yorkville, Illinois



Construction Cost:

\$24,000,000 (Est.)

Project Features:

- Funding Assistance
- Water Works System Needs Assessment and Project Plan
- Four (4) 1,000 GPM Wells
- Four (4) Cation Exchange Treatment Facilities
- Three (3) Elevated Water Storage Tanks
- Booster Pumping/Pressure Reducing (BP/PRV) Stations
- Raw and Finished Watermain Improvements with River Crossing
- SCADA System

The objectives of the Yorkville Water Works System Needs Assessment and Project Plan were to evaluate the existing and future needs of the City and to provide a cost-effective radium management plan. Through a methodical engineering approach, with multiple opportunities for client interaction, all facets of the water works system, including supply, treatment, distribution, storage and controls were evaluated. Cost-effective solutions were then created.

Engineering Enterprises, Inc. was selected from a field of approximately 10 consultants to conduct the evaluation and prepare the planning document. In an effort to assure that the best option was presented, the approach started at one end of the system and methodically solved each piece of the puzzle until the most cost-effective option was identified. Project meetings

were strategically established throughout the process to inform the City of recent findings, facilitate discussion on the issues and confirm the next course of action.

In the end, the document was structured so that it would satisfy the Project Plan requirements to demonstrate eligibility in the IEPA Public Water Supply Low Interest Loan Program.

In addition to providing solutions to meet the radium water quality standards, EEI also has been working with the City to integrate additional water supply, treatment, storage, distribution and control improvements to meet the City's growing water demand. In whole, EEI is providing the design, bidding and construction engineering for 22 separate water projects totaling more than \$24,000,000 over an approximately five year period.