

# WATER SUPPLY SYSTEMS

Robinson Construction builds **water supply systems** for power plants and industrial manufacturing requiring **large quantities of water** to support their operations, as well as for municipalities that provide communities with drinking water.



## Design-Build

Typically located off-site from the main plant construction, water supply projects are often financed and contracted separately from the plant project. Clients and the project management firms that oversee large-scale plant building programs turn to Robinson Construction with confidence because we take complete responsibility for design and construction of these ancillary facilities.

Our work begins with a detailed proposal that becomes the primary document for obtaining financing. We guide a team of specialists in electrical controls, collector wells, and other unique aspects of water intake design. We can assist in obtaining permitting with Corps of Engineers and state environmental agencies. Our construction crews are familiar with the intricacies of marine work — sheet piling, drilled piers, crane work, and commercial diving — and are specially trained in OSHA marine construction guidelines.

*"Robinson Construction successfully met a very demanding schedule. I was extremely impressed with the Robinson field supervision and office staff's capabilities in planning, management, communication, and progress reporting. Robinson's commitment to safety, protection of the environment, and quality control was excellent. I would recommend Robinson Construction to anyone who is looking for a general contractor who is capable of successfully completing difficult projects within a tight schedule."*

Framatome ANP DE&S - Hot Springs Generating Facility

## Special Environmental Needs

We understand the special environmental needs of water intake construction, including assuring the quality of the water extracted, proper handling of discharge water, hazardous materials removal, and endangered species investigations. We have also dealt with archeological artifacts and completed an ecological project where the intake maintains water level in a wetlands preserve.

## Range of Projects

Robinson Construction's completed water supply projects encompass surface and ground water sources, span to depths beyond 100 feet, and range up to 33 MGD in size. We have employed multiple design and construction approaches on several intake types including: radial collector wells, fixed screen, passive screen, conventional intakes, platform intakes, and caisson intakes.

