



BY THE NUMBERS: TEXAS BUILDS FIRST RESERVOIR IN 30 YEARS PROJECT INCLUDES TPG PIPE

*Photos courtesy of the North
Texas Municipal Water District*



PROJECT OVERVIEW

North Texas is one of the fastest growing regions in the country. To keep up with demand, the North Texas Municipal Water District oversaw the design and construction of a new reservoir; the Lone Star State's first in 30 years. Bois d'Arc Lake covers more than 16,600 acres and will meet the water needs and for the growing region of 1.8 million people. The \$1.6 billion project will yield approximately 108 million gallons per day and support construction of approximately 3,200 homes during the next three decades.

In addition to the new reservoir the project includes a dam, pumping station, water treatment plant, raw water pipeline and a treated water pipeline.



THE DAM PROJECT

A 90-foot tall, 2-mile long dam will collect water in the reservoir before it is transferred to the raw water pump station. To transmit raw water under the dam engineers planned two parallel lines of 78" steel pipe under the dam as an intake conduit. Each 735' line was protected with cured in place concrete. This phase also included 6,400' of 90" steel pipe for a discharge pipeline. Additionally, Thompson Pipe Group supplied 53,000' of 90" steel pipe as part of the pipeline to transmit raw water from the dam to a new 70MGD water treatment plant.

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Approximately, 11.5 miles of steel pipe



60,000' of 90" pipe



1,470' of 78" pipe

