



CASE STUDY



conserving water. protecting the environment



EL PASO, TX **LOCATION:**

CASE STUDY
El Paso, TX

PROJECT SCOPE:

The El Paso Water Authority installed seven miles of HDPE in their reverse osmosis water system.

APPLICATION:

37,000 feet of HDPE pipe

PROJECT DATES:

During 2001

KEY CONTACTS:

David Goodrum, district manager for ECO Resources



SUMMARY

HDPE pipe was the right choice for the second-largest reverse osmosis water system in the state of Texas. Reverse osmosis is used to clean the potable water for area residents to drink, and the project was headed by the El Paso County Water Authority. Before the system was installed in 2001, El Paso residents were drinking water at a solidity level far over the safe levels required by the EPA. The new reverse osmosis plant will remove about 90 percent of the solids in the water supply. HDPE was the savior.

"After using HDPE pipe for this project, I would use it any time in the future for water projects," says David Goodrum, district manager for ECO Resources, a utility management company.

The 7-mile polyethylene pipe (nearly 37,000 feet) took three months to completely fuse together, and the pipe has remained flexible and stronger than ever.

"Construction went very smoothly," Goodrum said. "What made things so quick and easy was that every one of our high-pressure tests with the HDPE pipe passed on the first go. No leakage. We have to provide state-compliant drinking water to our citizens. And we didn't have a choice."

The El Paso Water Authority serves about 12,000 people in a 91-square mile area just east of the city and the new plant processes 4 million gallons of water per day and is expandable to 8 million gallons per day.

*Please do not hesitate to contact the Alliance with any questions or comments.
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