



## Case Study: Trinity River Authority Texas USA Waste Water Tank Project

### Seeping wastewater tanks at Trinity River Authority Texas USA sealed and water proofed with SCP Concrete Protection technology

#### Trinity River Authority Central Regional Wastewater System

Trinity River Authority's Central Regional Wastewater System (CRWS) began operations in December of 1959 as the first regional facility of its kind serving the cities of Irving, Grand Prairie and Farmers Branch, plus a portion of western Dallas, Texas USA.

The system has since expanded to serve all or part of 21 contracting parties and approximately 1.2 million people in the Dallas/Fort Worth area.

CRWS includes a treatment plant, located in west Dallas, and more than 200 miles of collection system pipeline. This regional treatment facility is one of the largest and best operated plants in Texas - the system's staff works with state-of-the-art technology throughout the treatment process to produce clean, clear effluent that improves water quality in the Trinity River.

In 1984, TRA called upon SCP technology to treat the vertical concrete walls of the four aeration basin tanks that were seeping wastewater through the concrete matrix as a result of the porous concrete and the high hydrostatic pressure from the 7-meter-high tank capacity. SCP 743 was able to work against the seepage flows once the external walls were cleaned and it was applied directly on to the damp concrete surface. After 24 hours the walls went dry and the seepage was arrested permanently.



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