



# Amarillo Osage Water Treatment Plant Rehabilitation



2025

## ABOUT THIS PROJECT:

**Market Segment:**  
Water Treatment Plant

**Engineer:**  
KSA Engineers

**Products Used:**  
Xypex Concentrate  
Xypex Admix C-500  
Xypex Patch'n Plug

**Location:**  
Amarillo, Texas, USA

**Owner:**  
City of Amarillo

**General Contractor and Applicator:**  
MH Civil

The City of Amarillo initiated rehabilitation work at the Osage Water Treatment Plant to extend the service life of existing concrete structures within the facility.

The scope of work included waterproofing the east settling basin interior walls, internal concrete structures, and floor areas beneath effluent structures. The owner pursued a preventative maintenance approach to improve durability and reduce future rehabilitation needs.

Phase 1: crack repairs at multiple locations and Xypex coating application to approximately 20,000 square feet of concrete surfaces. 48 pails of Xypex Admix C-500, 120 pails of Xypex Concentrate at 60 lb. each, and 10 pails of Xypex Patch'n Plug were used during Phase 1. The work was completed successfully with strong performance results.



KSA Engineers evaluated options and selected a Xypex crystalline coating system to protect the concrete by promoting internal crystallization.

The general contractor MH Civil was provided onsite training by Xypex technical personnel to ensure that the rectification and application conform to Xypex method statements.

The successful execution of Phase 1 established Xypex coatings as the basis of design for the upcoming Phase 2 work, scheduled for release for bidding in 2026. This project demonstrates Xypex Technical Personnel proficiency in providing onsite training and technical support to enable the contractor to perform specialized waterproofing work, reduce overall project costs, and deliver long term durability for critical water treatment infrastructure.

