



Cherokee Lift Station No. 1 Sand Creek Facility Addition



ABOUT THIS PROJECT:		
Market Segment: Wastewater Treatment Plant	Owner: Cherokee Metropolitan District	Products Used: Xypex Bio-San
Engineer: JVA, Inc. (Boulder)	Construction Manager: Rice Lake West (fka Staneck Constructors - Golden CO)	Ready-Mix: Holcim (Colorado Springs)
Location: Colorado Springs, Colorado USA		

This project involved the construction of a new lift station to replace existing wastewater settling ponds in compliance with updated EPA regulations. The new lift station serves as a fully enclosed holding tank designed to manage wastewater efficiently while ensuring long-term durability and environmental compliance.

Xypex Bio-San offered a durable, cost-effective, and maintenance-free alternative to membranes, particularly for complex or high-exposure structures. Environmentally sustainable, it reduces waste and labour costs while outperforming membranes in harsh conditions.



To address the harsh conditions within the lift station, Xypex Bio-San was incorporated into the concrete mix, providing integral protection against microbial-induced corrosion (MIC) caused by high levels of hydrogen sulfide (H₂S). Its advanced crystalline technology enables self-healing of micro-cracks and resistance to hydrostatic pressure, ensuring long-term impermeability and structural integrity.

