



Calvert City WWTP Influent Lift Station & Plant Improvements



2021

ABOUT THIS PROJECT:

Market Segment:
Wastewater Collection
& Treatment

General Contractor:
DK Construction
Company, Inc

Products Used:
Xypex Bio-San

Location:
Calvert City, KY, USA

Engineer:
Rivercrest Engineering

Precast:
Forterra Pipe & Precast

DESCRIPTION

Xypex Bio-San was specified in the precast elements for the Wastewater Treatment Plant Influent Lift Station and Plant in Calvert City, Kentucky. Forterra Pipe & Precast added Bio-San to a total of 180 cubic yards of treated pre-cast concrete for this project.

The decision to include Xypex Bio-San in the concrete mixture was driven by its superior long-term protection of concrete in harsh sewage conditions that cause microbial-induced corrosion (MIC).



THE XYPEX SOLUTION

Bio-San provides antimicrobial protection, prevents water infiltration/exfiltration, and resists acid and sulphates, extending the lifespan of concrete sewage and wastewater systems. A significant advantage of Bio-San lies in our Visual Detection System (VDS) which is integral to the admixture. This cutting-edge system provides a definitive method for confirming the presence of Xypex Crystalline Waterproofing Admixture within hardened concrete, ensuring quality and adherence to industry-leading standards.

To learn more about how Xypex protects and waterproofs concrete in harsh sewage conditions, [click here](#).

