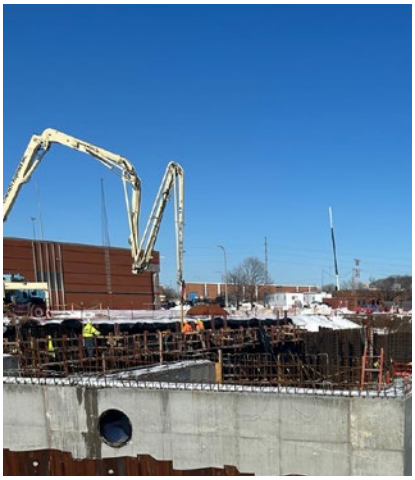
PROJECT PROFILE

BISSELL POINT WASTEWATER TREATMENT PLANT

EUCLID CHEMICAL



PROJECT DATA

Location – St. Louis, MO

Application – Integral Crystalline Waterproofing

Engineer – Crawford, Murphy & Tilly Inc.

General Contractor – Kokosing Plocher

Ready Mix Producer – Western Ready Mix

Applicator – Kokosing / Plotter LLC

Total Area – 1,200 yd^3 (917 m^3)

PRODUCTS FEATURED

EUCON VANDEX AM-10L
Liquid Integral Crystalline Waterproofing

SCOPE OF PROJECT

Liquid integral crystalline waterproofing admixture used to improve durability and reduce water permeability in wastewater containment structures

PROJECT SUMMARY

The Bissell Point Wastewater Treatment Plant in St. Louis, MO is a critical infrastructure facility responsible for purifying wastewater through environmentally sustainable methods. Its operations help safeguard local ecosystems and public health by ensuring that treated water returned to the environment meets rigorous quality standards. Supporting this mission also means prioritizing safety and accuracy during the batching process through the use of automated dispensing equipment at the plant.

To ensure the long-term durability and performance of the facility, Euclid Chemical's Eucon Vandex AM-10L was selected—a crystalline admixture specifically formulated to reduce water permeability in hardened concrete. In addition to its proven ability to resist moisture intrusion and aggressive substances, Eucon Vandex AM-10L enhances on-site safety by eliminating the need to manually add powder to truck hoppers. The liquid admixture is dispensed through automated equipment, ensuring documented accuracy, traceability, and consistent dosage across all placements. These benefits were especially valuable at Bissell. By forming insoluble crystals that fill capillaries and micro-cracks, Eucon Vandex AM-10L reduces the risk of water leakage and material degradation—ultimately contributing to the structural integrity and longevity of tanks, basins, and below-grade components.