



Rehabilitation Brings Infrastructure Back to Life

THE PROBLEM

Located in Connecticut, this concrete chlorine contact chamber was severely deteriorating and eroding. The owner needed a quick solution, with minimal downtime for the wastewater treatment facility. Rapid return to service was a crucial element for this rehabilitation. As a full-service waterproofing and infrastructure restoration contractor, Savy & Sons was able to provide that solution!

THE APPLICATION

Prior to Savy & Sons performing the work, the tank needed to be drained to ensure a complete inspection for any further deteriorated material below the waterline. Savy & Sons then saw cut and jackhammered out all failing concrete. Next Savy & Sons made all concrete repairs using Epoxytec's Mortartec Silicate and Mortartec Ceramico to restore the original structure.

After making masonry repairs to bring the structure back to its original state, Savy & Sons took action to preserve and protect the existing concrete chlorine contact chambers from further deterioration. They applied Epoxytec's CPP Sprayliner to the structure in order to protect the area from future deterioration of wastewater flow, chemical contact, and atmospheric elements. Epoxytec's CPP Sprayliner is ideal for tanks and other fluid storage structures. At 125 mil thickness, this product also came with a 10-year warranty! Epoxytec's CPP has excellent chemical corrosion resistance, with blended cycloaliphatic polymers for increased crosslinking for chemical resistance (ultra-high H₂S and other chemicals) moisture tolerance, UV stabilization, freeze/thaw tolerance and service abrasion.

This specific chlorine contact chamber had an approximately 10,220 square feet that needed to be coated including five longitudinal tank walls, plus the entire exterior perimeter walls and 7 lateral beams that need to be coated five feet down from the tops of the walls so that the tanks were coated about approximately 2.5' below water level.

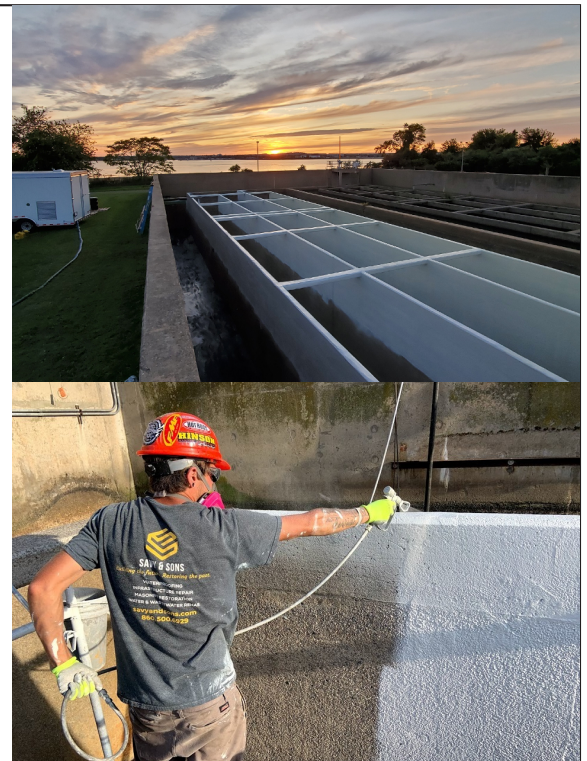
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Featured Products

CPP Sprayliner

Mortartec Ceramico

Mortartec Silicate



Project Information

Location

Connecticut

Completion Date

Summer 2019

Structure

Chlorine Contact Chamber

Applicator

Savy and Sons



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Rehabilitation Brings Infrastructure Back to Life (cont.).

FINAL LOOK

By resurfacing and epoxy lining this chlorine contact chamber, Savy & Sons was able to reduce the city's downtime and substantially save costs. Using Epoxytec products, Savy & Sons provided a solution that would ultimately protect the infrastructure's substrate from future deterioration and allow this structure to continue to operate efficiently for years to come.

