



PROJECT PROFILE

Chemical spill leaves containment area damaged. PolySpec[®] system chosen to restore and protect.



Eka Chemical
Columbus, Mississippi



PROJECT TEAM

Contractor: McCrary West Construction Co.

PROJECT OVERVIEW

Eka Chemicals is one of the leading suppliers of performance chemicals to paper manufacturing within the area of bleaching. The most important products are sodium chlorate and hydrogen peroxide.

Recently, the MS plant experienced a chemical spill in one of their secondary containment dikes. The floor and wall was exposed to hydrochloric acid and sodium hydroxide. The result was severe damage to the existing coating and concrete. Even the base of the fiberglass ladder on the side of the tank was completely destroyed from the exposure.

McCrary West Construction Co is a leader in commercial and industrial construction and concrete pumping, and has been doing business in Columbus, MS for over 40 years. As a result, they have a long history of successful installations using PolySpec coating systems. They chose PolySpec for this project because of their confidence in our products ability to withstand the aggressive attacks of these types of harsh chemicals.

KEY CONSIDERATIONS

Restoration: The previous coating provided little resistance, leaving the concrete in very poor condition. Many areas that had to be resurfaced were over 2 inches in depth. There were also extensive cracks in the floor and walls which needed to be treated.

Chemical Resistance: Unlike the previous system, the new coating had to be resistant to both hydrochloric acid and sodium hydroxide in both individual and mixed exposure.

SYSTEM PRODUCTS

- **RezRok[®] 105:**
Epoxy Patching Compound
- **TuffRez[®] 200:**
Epoxy Topping Mortar
- **NovoRez[®] 351:**
Concrete Coating, Acid Resistant

