

Challenge

Issue

Coating destroyed in secondary containment bund after spills of aluminum sulfate.

Goal

Protect concrete and other structures from chemical attack; avoid cost of lost product and potential fines.

Root Cause

Reinforcement content of previous coating allowed wicking of aggressive chemicals. Substrate attack caused failure.



Failed coating after spills

Solution

Preparation

- HP water blast 600 bar (8500 psi)
- Decontaminate with IMS II

Application

1. Apply **ARC 797** to prime
2. Apply **ARC 988** to pitch to grade
3. Apply **ARC CS4** to seal floor
4. Apply **ARC CS2** to protect walls



Cleaned and prepared surface

Results

Client Reported

- > 3 years without damage to the coating
- Avoided possible fines
- Avoided annual reconstruction costs;
- Avoided first year recoat costs: \$ 8.5K
- **3 year savings for recoating: \$25.5K**

\$=USD



Applying ARC CS4 topcoat