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TECHNICAL INFORMATION
TECHNOLOGY
&
SERVICE

No 304n

User: Soda production plants

DESCRIPTION OF THE PROBLEM: During operation, the concrete surfaces of the drip tray were damaged - a station for pumping concentrated acids (sulfuric and hydrochloric acid) from rail tankers to stationary tanks. Damage was caused by acid leaks and impacts from reinforced ends of reloading hoses. The subgrade, pump foundations and sump tubs were qualified for repair. Previously performed repairs with traditional materials based on cements did not work - after a few months the applied layers were loosened. This was caused by the penetration of acids into local surface damage and constant moisture of the repaired places with water seeping from the substrate

DESCRIPTION OF THE REPAIR: Chester Molecular technology with epoxy products was selected. Degraded and loose concrete fragments were chipped off and removed. Everything has been sandblasted, dusted and washed. **Chester Quartz LVY** was used to recreate the original shapes of the damaged elements and level the surface. It is a product that can be applied to damp and oily substrates. After initial curing, the whole was covered with **Chester Surface ProtectorE**.

ACHIEVED EFFECTS: The repair was made within 6 days. The Chester Quartz LVY - Chester Surface Protector E repair system completely protects the drip tray against both mechanical damage and damage caused by leaks of the pumped media. A 60-month warranty was given for the repair**.**