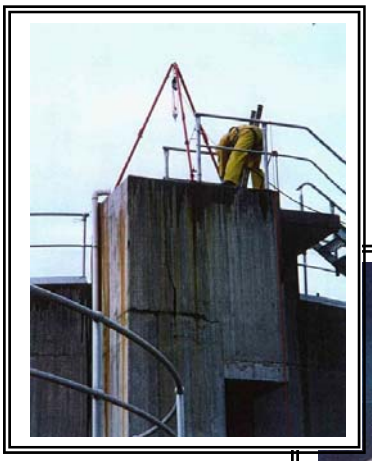
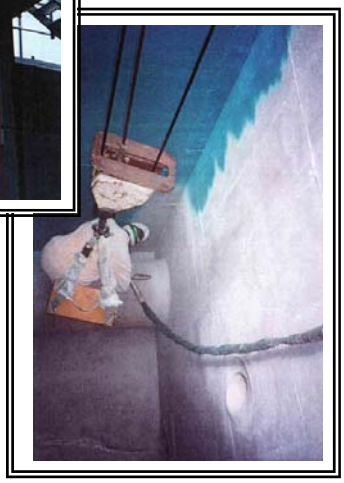




Sewer Pump Pit

Client: Caboolture Shire, Qld Australia

Project: Protective linings of raw sewerage Pumping pit

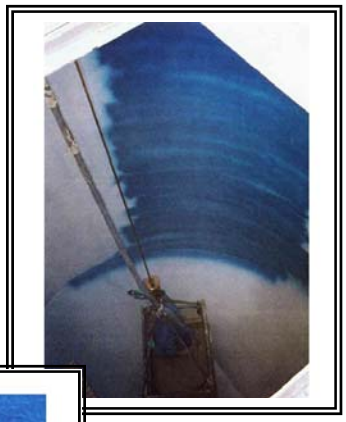
Category: Abrasion & Corrosion Resistance

Completion Date: 1998

Product: Rhino Linings PP1195 (formerly PP95)

Job Description

This concrete well was part of the pumping facilities at Caboolture Shire, Sewer Treatment Facility. The concrete surface was badly eroded, cracked and was introducing concrete aggregate into the sewer pumping system.



The concrete surface required high pressure cleaning and ultimately a new concrete surface would be required to re-instate the substrate.

The problem for the Shire Council was after the restoration and remedial work was completed how could they prevent the same rapid degradation from re-occurring again.

Rhino Linings manufactures a range of premium protective linings and after consultation with the Engineers and Maintenance personnel at Caboolture Shire Council Rhino Linings provided a total “solution” to the Shire Councils needs encompassing short term and long term goals for the restoration and long term protection of the asset.

Following high pressure cleaning the concrete was treated with Rhino Linings PS26 a concrete densifier and conditioner. The Rhino Linings PS26 purged impurities within the concrete substrate to the surface before a second high pressure clean was undertaken.

Rhino Linings SP150 Primer was used on the damp concrete prior to the application of Rhino Linings PP1195.

Rhino Linings PP1195 pure Polyurea was chosen for this extreme application performance. Rhino Linings PP1195 is an instant curing flexible membrane with excellent strength and abrasion resistance. Being insensitive to moisture and temperature, the application crew were able to high pressure clean the pumping pit and apply the PP1195 without having to wait weeks for the concrete substrate to dry out.