

Sewerage Treatment Plant

Client: Noosa Shire Council, Queensland Australia

Category: Primary Containment, Corrosion Protection

Completion

Date: 1999

Product: Rhino Linings MP95

Job Description

The Noosa Shire Council went looking for a long-term solution to the protection of their wastewater assets. As with many Shire Councils the Noosa Shire was experiencing serious degradation of the concrete surface due to attack by hydrogen sulphide and abrasion.

As the concrete was attacked by hydrogen sulphide gas it would break down and concrete aggregate would break loose. This debris would circulate in the tanks causing abrasion and mechanical damage issues with other components within the plant.

Having held liquid for many years the concrete tanks held considerable moisture within their structure so a solution was sought that didn't require a lengthy drying period for the concrete substrate.

Several systems were considered for the restoration and long-term protection of the treatment tanks and Rhino Linings MP95 was chosen due to its excellent flexibility and strength. The products tolerance of moisture and cold allowed the lining to be applied immediately following a high pressure clean. The rapid spray application and the moisture tolerance of MP95 allowed the tank to be placed back into service 12 hours after completion.



Preparation



Completed

