

Concrete Sump Repair

Overview

A square concrete sump located underneath a concrete jetty had sustained cracks at the top connection between the sump and the sea jetty. During operation the liquid level of the sump would rise to the top of the sump and the contents, an oil and water mixture, would seep through these cracks. The leakage of this oil/water liquid into the sea created an environmental issue requiring a long term repair solution.

Scope

It was not possible to replace the damaged sump and previous alternative repair methods attempted were unsuccessful. From a design engineered perspective, Technowrap 2K™ was ideal in repairing the sump whilst also providing the sump with an extended design life of 20 years.

Challenges

Operationally and the installation procedure of Technowrap 2K™ meant there was a limited implementation time per day before tide level rising.

Our Approach

Pre-fabricated sections of the repair were manufactured at Walker Technical and shipped to the jetty location ensuring curing could take place prior to the incoming tide.

