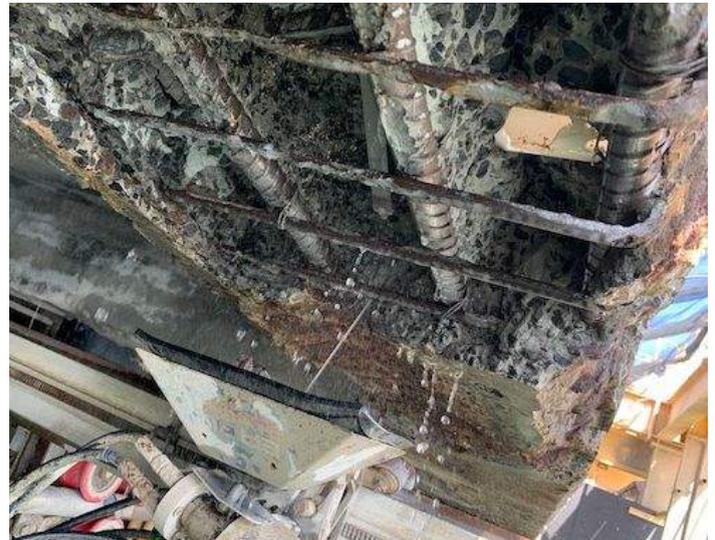




# Swanson Dock East Hydro-Demolition

Aqua Prep was contracted by McConnell Dowell and the Port of Melbourne Corporation to carry out hydro demolition over three stages (three years) of the project, including Hydro Demolition of Core Holes, Deck Releveling, Crane Rail Removal, Fender and bulk concrete removal.

Aqua Prep was the only Hydro Demolition contractor to play a significant part in each stage.



## Contact



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# Swanson Dock East Hydro-Demolition

As the “Leaders of change and innovation for the safety of people and the environment”, Aqua Prep had two major developments throughout the project.

No.1 was the concept, design, build and development of our core hole attachment to the Aqua Cutter 710 robot.

No.2 was the large-scale development that led to our current water recycling systems.

During Stage 2 (berth 2), Aqua Prep was required to treat all capturable water to a quality good enough for release to sewer (under 30NTU, pH neutral and no more than 200kgs of Total Suspended Solids (TSS) released each day).





## Swanson Dock East Hydro-Demolition



Our core hole attachment has undergone three major developments to become very robust and effective. Most work involved exposing the reinforcement bars from a 1000mm core to a 1600mm diameter.

Our water treatment plant is now easily transportable on hook-lift skids and bins. It can recycle 100,000l per shift while taking up a very small footprint.

Aqua Prep used all of its resources for this project.

Aqua Cutter 710 and 410 – standard set up (deck releveling and crane rail removal).

Aqua Cutter 710 - Parapet arm (fender face, fender Soffit and mass concrete hydro demolition).

Aqua Cutter 710 – Core hole hydro demolition.

Aqua Cutter Ergo – Fender Soffit hydro demolition.

Water Treatment System.

Cappelotto – Cap Combi 2600 6x4.

Cappelotto – Cap Vac Industrial 8x4.

