



# SUEZ Hydro-Demolition 2019



## Project Scope

Duration: 5 weeks

Location: Wetherill Park, Sydney

Client: Cornerstone Construction

Technical Solution

Core Equipment:

Aqua Cutter 710 Robot

Aqua Cutter 410 Robot

1 × 360kW high-pressure unit

1 × 250kW high-pressure unit

2 × 170kW high-pressure pumps

Redundancy pump unit

Water Management:

Water treatment plant

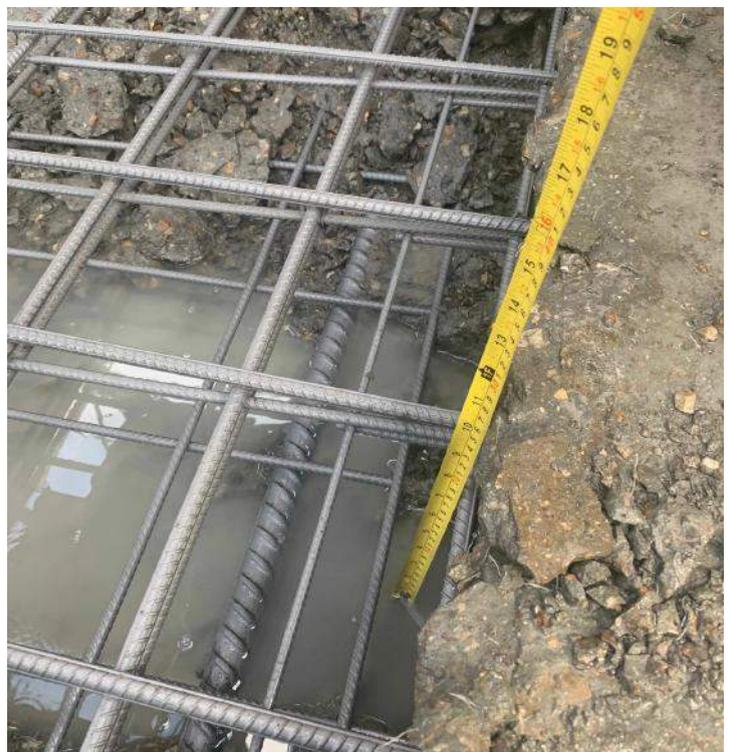
2 × Vacuum trucks

2 × 30,000L hook lift tanks

2 × 6,000L dewatering skip bins

3 × 15,000L water tanks

8,000L bulk water supply tank





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## Project Overview

A series of fires in January 2019 at the Suez Wetherill Park Resource Recovery Facility caused significant structural damage. Cornerstone Construction engaged Aqua Prep to remove fire-damaged concrete through specialised hydro demolition.

## Challenge

95 cubic metres of high-strength concrete (90 MPa) requiring removal

Fibre-reinforced concrete sections

Enclosed pit environment

Sydney Water permit compliance requirements

## Contact



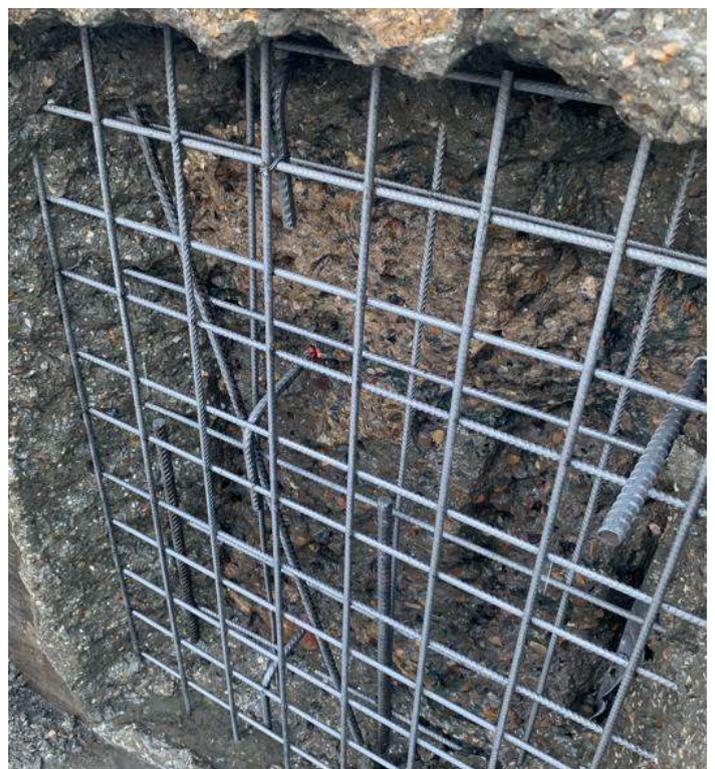
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## Implementation

Nine specialised technicians executed the project using:

- Advanced water capture system
- Comprehensive water treatment process
- Environmental compliance measures

## Outcomes

- Completed on schedule and budget
- Zero safety incidents
- Full environmental compliance
- Successful concrete removal

## About Aqua Prep

Aqua Prep leads Australian integrated hydro demolition, debris management, and water treatment services, prioritising safety and environmental solutions.

