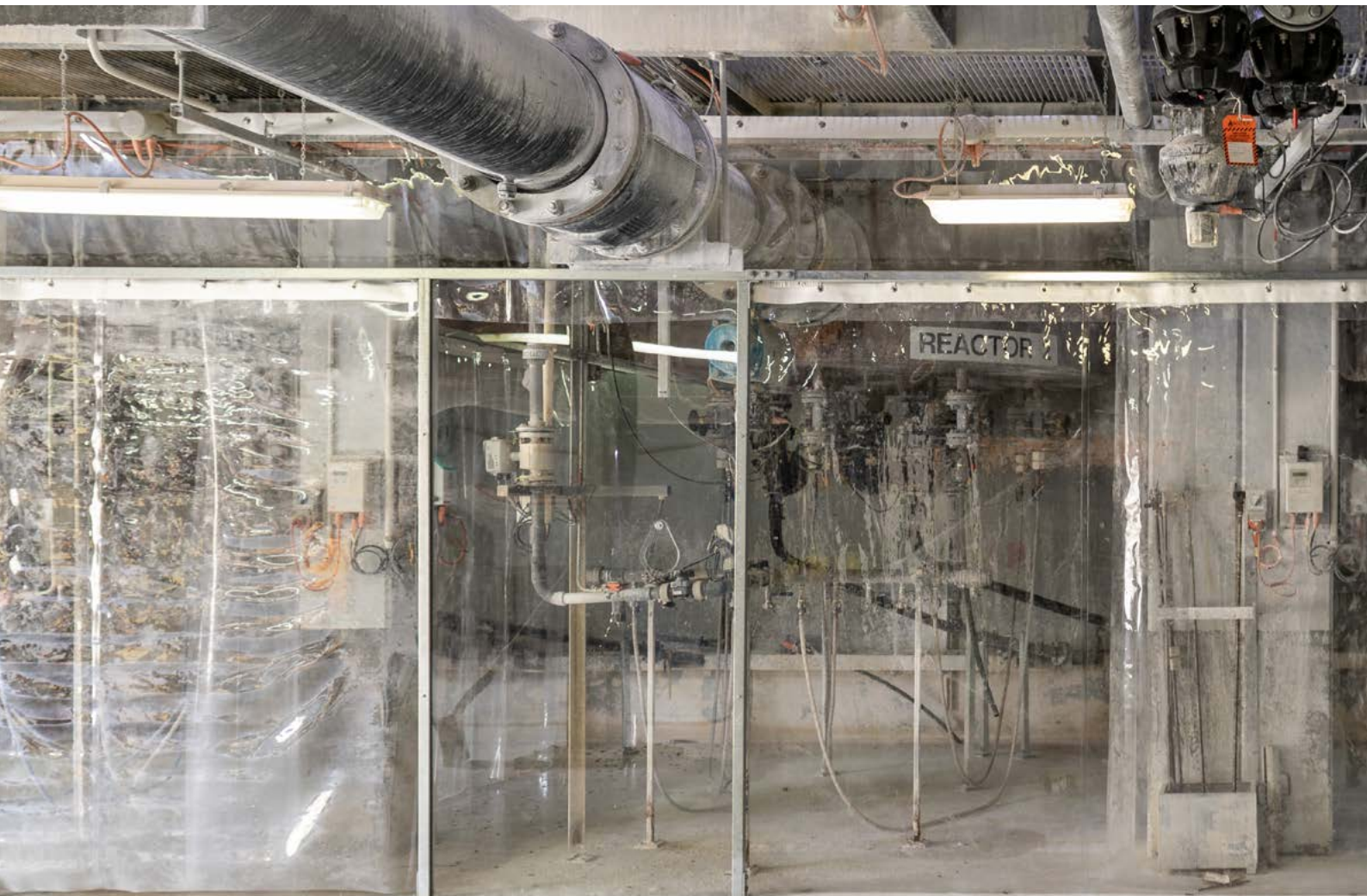


JOB #
PM0045 / PS1527 /
PW3720
INDUSTRY
Water Treatment
PRIMARY TASKS
Site Installation



Limewater Safety Screening Fabrication & Installation

A takeaway case study by Fusion





WA

11 Cocos Drive
Bibra Lake WA 6163

QLD

18 Woomera Place
Archerfield QLD 4108

Limewater Safety Screening Fabrication & Installation (Page 2)

Fusion's site team fabricated and installed several screening systems utilising rigid, clear polycarbonate sheet and clear curtains to protect maintenance staff from chemical lines at a water treatment plant. These allow staff to view pipelines, pumps and valves for visual inspection and are easily removed for physical access.

Fusion added the barriers to an area conveying limewater (calcium hydroxide); a chemical used to treat water. A process known as Water Softening (or Clark's Process) uses limewater to remove calcium and magnesium ions, and microorganisms from hard water.

Safety Curtains



Fusion installed large plastic curtains to create a safety barrier between pipework and maintenance staff.





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Limewater Safety Screening Fabrication & Installation (Page 3)

Removable Clear Rigid Barriers

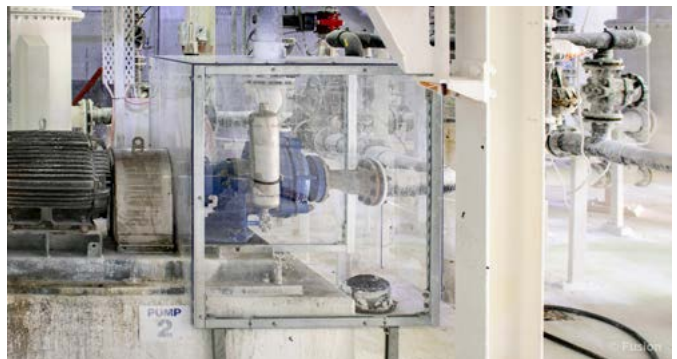
Along walkways rigid, dual-handle polycarbonate sheets were mounted to brackets which can be lifted and removed to access the valves, meters and pipework.



Fixed Clear Barriers

Where important components that couldn't be screened by soft curtains or rigid, removable clear panels, Fusion site installers encased with fixed polycarbonate sheeting and created tear-drop access points.

Steel brackets were fabricated with polycarbonate affixed to enclose the pump.



The teardrop access point can be pushed left or right to allow maintenance staff physical access to the valves. Gravity forces the teardrop closed ensuring it's always closed while not in use.



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Limewater Safety Screening Fabrication & Installation (Page 4)

Fusion & Water Treatment

Fusion was established in 1998 and has worked on hundreds of major water treatment projects throughout Australia and abroad.

We stock and supply high quality plastic piping system products and also house custom fabrication facilities on the east and west coasts of Australia.

Our in-house fabrication teams are well known for producing custom plastic chemical storage tanks, chemical dosing panels, sampling panels, chutes / launders and pipe spooling. They work in tandem with our site installation experts to deliver our products to clients.

Our plastic piping system range includes products from Asahi/America (valves), Charlotte Pipe Co (UPVC/CPVC pipe and fittings), Flowline (level instrumentation), Unex (cable management systems), Agru Austria (PE, PP, PVDF pipe, fittings and more) and Polypipe UK (ABS pipe and fittings). The core range has been carefully curated to provide premium, long-lasting and corrosion resistant products for industries handling harsh chemicals.



Find out more about Fusion's capabilities for supply, fabrication and installation at:

fusionaus.com