



# PROJECT SNAPSHOT

TOXFREE UTILISE HIGH PRESSURE WATER TO STRENGTHEN THE HUME DAM SOUTHERN TRAINING WALL FOR MCCONNELL DOWELL

## The issue

In order to meet with compliance standards, the State Water Corporation recognised the need to upgrade the strength of the Hume Dam southern training wall. To allow for the upgrade, old concrete needed to be removed from the wall to allow new concrete to be applied. Each stage of works had its own set of challenges, including high pressure water jetting at heights, varying weather conditions and concrete MPA. The works also needed to be completed within a very tight time frame.

## The solution

Toxfree supplied concrete scabbling with ultra-high pressure water to over 3000m<sup>2</sup> of existing dam wall and new cell areas implemented by McConnell Dowell. The concrete scabbling method provided an even 20mm peak to valley surface to assist with the abutment of new concrete to old concrete.

## The outcome

Toxfree carried out all the clients requirements, meeting the project deadline with no safety breaches, LTI's or MTI's. Toxfree was also able to assist with other services required onsite, including deep cell excavation with vacuum units and waste water removal. The customer was very pleased with the work carried out by Toxfree, the quality of workmanship and the final result achieved.

