

# North Dandalup Dam Remediation Works



Value \$0.5M



Works completed as Watpac Civil & Mining  
**Director's involvement – Tim Malseed – Operations Manager**

## FACTS

<b>Client</b>	Water Corporation WA	<b>Division</b>	Civil and Mining
<b>Contact</b>	David Pickering	<b>Commenced</b>	March 2016
<b>Location</b>	Whittaker, WA	<b>Completion</b>	May 2016

## PROJECT OVERVIEW

Watpac were awarded a contract for the excavation and reconstruction of the North Dandalup Dam spillway embankment in March 2016 after the Water Corporation determined that the existing embankment did not meet the required specifications.

Working within an operational water catchment with limited working space required a high level of safety and environmental management to successfully execute the work. The scope included the investigative excavation of the embankment down to ten metres below surface level, stockpiling & conditioning of excavated materials, construction of a sand chimney filter and full reconstruction of the embankment including clay fill, pavement and road construction, hand rails, safety barriers and environmental rehabilitation work.

## SPECIFICATIONS

### Earthworks

- Clay Embankment construction: 3,700m<sup>3</sup>
- Zone 2A Sand Filter Construction: 737m<sup>3</sup>
- Zone 2B Rock Filter Construction: 100m<sup>3</sup>
- Zone 3A Rock Protection: 250m<sup>3</sup>

### Roadworks

- Geotextile Installation: 100m<sup>2</sup>
- Road Reconstruction: 230m<sup>2</sup>
- 2-Coat Bitumen Seal: 230m<sup>2</sup>
- Handrail Installation: 36m
- Guard Rail Installation: 70m
- Stone Pitching: 41m<sup>2</sup>
- Drainage Culvert: 42m
- Karri-bark native seed hydromulch rehabilitation: 1,000m<sup>2</sup>