

DeGrussa TSF Lift 2

Value \$2.3M



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

FACTS

Client	Sandfire Resources	Division	Civil and Mining September
Contract	Lump Sum 150km North of Meekatharra, WA	Commenced	2015 November
Location		Completion	2015

PROJECT OVERVIEW

The Sandfire Resources DeGrussa TSF Lift 2 project is located approximately 150km North of Meekatharra and is part of the existing DeGrussa copper mine.

The contract was to construct the second HDPE lined embankment raise on top of the previous completed lift, with an approximate circumference of 1,600 metres. The works were conducted whilst maintaining the operational status of the tailings dam and involved cut to fill operations to construct the embankment walls (5.5m high), pipe and pump relocation, HDPE lining and welding to existing HDPE, decant tower and access way construction, pipe fabrication and electrical works.

SPECIFICATIONS

EARTHWORKS:

- Embankment Construction: 88,000m³
- Waste rock decant construction: 16,000m³
- Screening & placement of clean rock: 4,000m³
- Embankment detailed trimming: 26,400m²

GEOMEMBRANE:

- Geotextile Installation: 43,000m²
- 2mm HDPE Liner Installation: 14,300m²
- 1mm HDPE Liner Installation: 28,511m²

PIPE AND ELECTRICAL WORKS:

- Staged relocation of 1,600m of operational tails line
- Fabrication and installation of 32 tails distribution droppers
- Installed 6 x 300m buried electrical services through conduits & cable pits
- Installation of 50m of cable tray and supports