

DeGrussa Tailings Storage Facility

Value \$8M



Works completed as Watpac Civil & Mining

Director's involvement: Tim Malseed – Operations Manager/Pete Hancock – Alternate Project Manager

FACTS

Client	Sandfire Resources	Division	Civil and Mining November
Contact	David English 150km North of Meekatharra, WA	Commenced	2011
Location	WA	Completion	April 2012

PROJECT OVERVIEW

DeGrussa Copper-Gold Project Integrated Waste Landform Tailings Storage Facility

Bulk earthworks to form compacted clay embankment and compacted clay blanket across the base of the facility. Excavation, installation and backfill of outfall HDPE pipe works, cut-off trench, outfall tank system and HDPE underdrainage around storage basin. Decant structure installation and earthworks for decant access way. Installation of HDPE liner membrane over all compacted clay embankment and clay floor with flownet and bidim sundry liners placed on HDPE liner membrane.

SPECIFICATIONS

- 275,000m³ of conditioned, placed and compacted clay
- 2,500m³ of gravel/mine waste placed and shape to Decant Access way
- Decant Structure installation
- 1700m of Slotted HDPE pipe installation
- 1050m of HDPE pipe installation
- 10,000m³ of excavation through clay, mine waste, hard stand and haul road
- 2,500m³ of aggregate placement
- 7,500m³ of clay, mine waste and haul road material backfill
- Forming and installation of 2 (20m³) cement bentonite cut-off plugs
- Supply, form and installation of poly tank formed reinforced concrete tank
- Supply and installation of 20,000m² of 1mm Single Side Textured HDPE Liner
- Supply and installation of 12,000m² of 2mm Single Side Textured HDPE Liner
- Supply and installation of 170,000m² of 1mm Smooth HDPE Liner
- Supply and installation of 170,000m² of Flownet
- Supply and installation of 170,000m² of Bidim (A44)
- Supply and installation of 170,000m² of Bidim (A34)