DEFLECTOR TAILS LEACH PROJECT

SCOPE OF WORK

GR Engineering was awarded the engineering, design, procurement, construction and commissioning for an upgrade to the existing Deflector Copper Gold project, a plant originally built by GR Engineering.

The scope of work comprised of the design, supply, fabrication, installation, commissioning and handover of the Deflector Tails Leach Project (DTLP) for Silver Lake (Deflector) Pty Ltd.

In summary the DTLP works involved an upgrade to the existing Deflector Concentrator to include a Carbon in Leach (CIL) circuit on the existing Deflector copper ores to be co-treated with ore sourced from the Rothsay Project via the upgraded process as detailed below.

The upgrade works included:

- Pre-leach thickening of flotation tails;
- Regrinding of flotation tails in a ball mill;
- Centrifugal gravity concentrators, with intensive cyanidation of the gravity concentrate incorporated into the regrind circuit;
- Leaching and adsorption circuit;
- Recovery of loaded carbon, elution and electrowinning of gold and silver from pregnant eluate;
- Smelting dore bullion;
- Reagents facilities.

The above plant upgrade was carried out using a combination of both new equipment and some of the existing assets from the Andy Well gold processing plant, another previously built project by GR Engineering.

Onsite activities commenced in early October 2020 after Silver Lake received their works approval. The dismantling of the Andy Well structures and removal of equipment commenced in mid-October 2020.

Commodity: Gold
Region: Australia
Location: 370 km north-northeast of Perth, Western Australia
Project Type: Brownfields, lump sum EPC design and construct

Client: Silver Lake (Deflector) Pty Ltd
Award Date: July 2020
Completion Date: June 2021
Project Manager: Peter Yates
Project Engineer: Matt Sala Tenna
Process Manager: Siobhan O'Neill