

OK Tedi Mining

Debottlenecking Project



Project

OK Tedi Pyrite Plant Debottlenecking Project

Location

PNG

Client

Ok Tedi Mining

Commencement Date

Mid 2009

Practical Completion

Early 2010



Description

The debottlenecking project was a collaborative effort between Worley Parson's and Como. Como prepared a revised design criteria and issued to WP for the rectification project.

Key improvements were;

1. Replace primary flotation concentrate and cleaner flotation feed hoppers with larger ones.
2. Install dissipaters on end of rougher flotation cell concentrate launders.
3. Install new Warman pumps 300LF on primary flotation concentrate and cleaner flotation feed hoppers to increase pumping capacity.
4. Replace pyrite thickener feed launder with large diameter pipe to increase volumetric capacity.
5. Replace TPP thickener feed drop box with larger drop box to prevent overflows.
6. Install Outotec Flow boosters to primary and rougher flotation cells.
7. Install Sonartrak flowmeters on primary flotation concentrate and cleaner flotation feed pumps.
8. Trial of Cytec defoamer to control spillage from primary flotation concentrate and cleaner flotation feed hoppers by decreasing froth factor and increasing pump efficiency.

Project Manager Vern Walz