



**Brightwater**  
ENGINEERING

# SMP Project

PROJECT REPORT

CLIENT: OCEANA GOLD, NEW ZEALAND



CONCEPT

DESIGN

MANUFACTURE

INSTALL

COMMISSION

OPERATE

INNOVATIVE SOLUTIONS TO INDUSTRY



# The Situation

Oceana Gold constructed a gold processing plant to extract ore concentrate at the Globe Progress Mine, in Reefton. This plant was due to be commissioned and in production in the first quarter of 2007. The ore concentrate was to be transported by road/rail/road to be further processed at the Macraes Flat Processing Plant.

Oceana Gold contracted GRD Minproc to design and procure the plant and equipment. Brightwater were awarded the contract to manufacture and supply platework fabrications for this plant.

# The Solution

The concentrate is delivered to the plant into a receival facility after which it is repulped and transferred to a stack treatment tank for chemical dosing.

The ore concentrate is then processed in a fine grinding mill and then transferred to a stock holding tank for processing in the existing extraction plant.

Brightwater's scope of work was to install the structural, mechanical and pipework equipment. Also included was the site joining and building of the partially fabricated tanks.

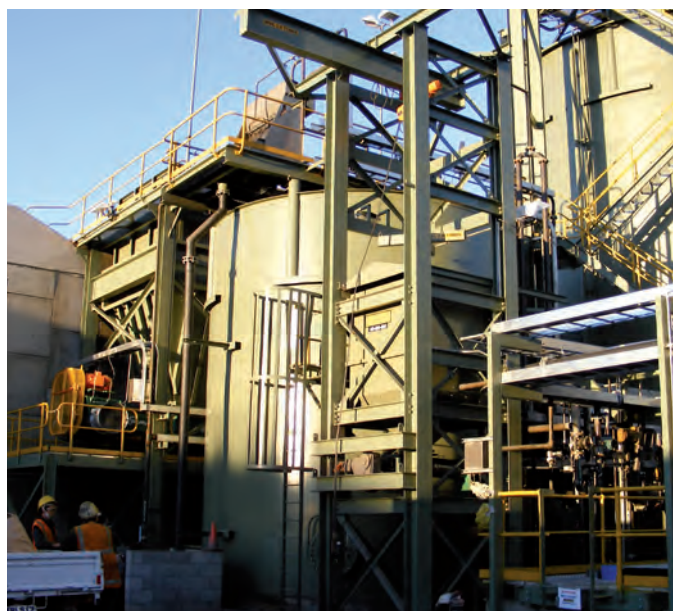
This was a fast track project with many supply issues, all of which posed difficulties to meet the completion date.

# Key Features

- SMP (Structural, Mechanical & Piping) installation project
- High profile project to integrate new facility on existing site
- Project manage client nominated equipment supply from several sources
- Working with client appointed EPC contractors



Concentrate receival hopper being loaded



Chemical dosing system and storage tank



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