



COSMIC BOY CONCENTRATOR

SCOPE OF WORK

GR Engineering was appointed by Western Areas to undertake the engineering, design, procurement, construction and commissioning of the Forrestania Nickel Project Cosmic Boy Concentrator.

The nickel sulphide flotation process plant was designed for a process throughput of 250,000 tpa, at a nominal treatment rate of 31 tph, with provision for an expansion in processing capacity to a throughput of 650,000 tpa. The plant receives ore delivered to the ROM pad from various underground ore sources. Processing includes primary crushing, conveying, coarse ore storage and SAG milling incorporating flash flotation to produce a nickel concentrate.

Concentrate is dewatered via thickening and filtration to produce a concentrate suitable for dispatch via trucking and shipping. Process plant tails are thickened prior to being pumped to the tailings storage facility. The concentrator is a combination of new and second-hand equipment and GR Engineering were responsible for the development of the refurbishment scope of works for the integration of the equipment into the design.

GR Engineering commenced the EPC contract in March 2008 and works were completed on schedule early in February 2009. Project works were completed without incurring a single lost time injury.

Commodity: Nickel

Region: Australia

Location: Approximately 100 km south east of Hyden in Western Australia

Project Type: Greenfields, lump sum contract EPC

Client: Western Areas NL (ASX: WSA)

Award Date: March 2008

Completion Date: February 2009

Project Manager: Geoff Tanner

Process Manager: Gerard Neeling