



EDNA MAY GOLD PROJECT

SCOPE OF WORK

GR Engineering was appointed by Catalpa Resources Limited to undertake the engineering, design, procurement, construction and commissioning of the Edna May gold processing plant. Catalpa had previously procured the old Big Bell processing plant, equipment and infrastructure to meet most of the processing requirements. Additional equipment was required to meet the duty requirements of the upgraded processing plant. Part of the GR Engineering scope was to manage the refurbishment of this plant and incorporate it into the Edna May plant design.

The plant is designed to treat an ore blend, at a throughput of 2,800,000 tpa. The grinding and wet plant circuits are designed to process ore at a treatment rate of 340 tpa. The plant is designed with provision for an expansion in processing capacity to 3,200,000 tpa.

Blended ore is processed through a conventional single stage jaw crushing circuit. Crushed ore is stored on a coarse ore stockpile with a live capacity of approximately 3,800 tonnes. The grinding circuit consists of a primary SAG mill, secondary ball mill and pebble crushing circuit. Gold recovery consists of both a gravity circuit containing gravity concentrator and intensive cyanidation units and a hybrid CIP/CIL circuit, consisting of 2 leach and 6 adsorption vessels. Loaded carbon is stripped of gold using a pressure Zadra type elution circuit and gold will be subsequently recovered from the cathodes of the gravity and elution electrowinning cells.

GR Engineering commenced the EPC design, construction and refurbishment of the process plant facilities in May 2009 and the project was completed in May 2010.

Commodity: Gold
Region: Australia
Location: 1 km north of Westonia (312 km east of Perth) in Western Australia
Project type: Greenfields, EPC design and construct

Client: Evolution Mining Limited (ASX: EVN) (formerly Catalpa Resources Ltd)
Award date: May 2009
Completion date: May 2010
Project manager: Andrew Bennett
Process manager: Gerard Neeling