ANDY WELL GOLD PROJECT

SCOPE OF WORK

GR Engineering was appointed by Doray Minerals Limited to undertake the engineering, design, procurement, construction and commissioning of the Andy Well Gold processing plant. Doray Minerals, after consideration of utilising second-hand equipment, elected to procure all new equipment for the project on a global regime that allowed selection of the most cost effective components and major assets for the plant. The ball mill was sourced and manufactured in Turkey while some additional equipment was secured through Australian vendors.

The plant is designed to treat high grade ore (+10 g/t Au) at throughput of 25 tph (165,000 tpa). Ore is processed through a two stage crushing circuit. Crusher ore is stored in a fine ore bin with a live capacity of 360 tonnes. The grinding circuit consists of a single ball mill. Gold recovery consists of both a gravity circuit, containing gravity concentrator and intensive cyanidation units, and a CIL circuit comprising one leach and six adsorption vessels. Gold will be stripped from loaded carbon using a split AARL 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, procurement and construction of the process plant facilities in November 2012 and the project was completed ahead of schedule in July 2013 at a cost of $31 Million AUD.

Commodity: Gold
Region: Australia
Location: 45 km north from Meekatharra (Murchison District) in Western Australia
Project Type: Greenfields, EPC design and construct

Client: Doray Minerals Limited (ASX: DRM)
Award Date: November 2012
Completion Date: July 2013
Project Manager: Peter Yates
Process Manager: Bill Gosling