

# LEANDRA NORTH – TRADE-OFF STUDY



**Client:** BHP Billiton Coal

**Site/Location:** Delmas, Mpumalanga

**Project Period:** April 2006 – August 2006

## **Project Description:**

Trade-off studies of various coal transport (decline shaft), men and material transport (decline and vertical) and ventilation shaft configurations.

## **The project included:**

- Vertical shaft designs
- Decline shaft designs
- Estimating of options

## **Services Provided by ENCO:**

- Shaft option layout
- Drafting services
- Quantity surveying services