UNITED COLLIERIES – DFS STUDY MANAGEMENT

United Collieries Pty. Limited ABN 67 001 990 209

xstrata coal



The Client

AECOM

The Project

AECOM were awarded the surface infrastructure package for the Definitive Feasibility Study covering a proposed open cut and underground mining operation at Xstrata Coal's United Colliery.

The study completed in June 2011 included the following scope:

- Open Cut
- Water supply and storage dam
- Water management on site
- Mine Infrastructure Area including workshops, offices and amenities
- Fuel and lubricant storage, handling and distribution
- High voltage transmission line relocations
- New regional highway intersection
- Power supply and distribution onsite
- Communications backbone for site
- Operational fuel storage facility
- Coal export transport corridor from site
- Bulk earthworks for all facilities including the CHPP
- Underground
- Mine Infrastructure Area including workshops, offices and amenities
- Fuel and lubricant storage, handling and distribution
- Upgrade regional highway intersection
- Power supply and distribution onsite
- Communications backbone for site
- Haul road connection to the open cut area and CHPP
- Bulk earthworks for all facilities
- Flagstaff provided Project Management support for this study

The Challenge

- Developing an integrated facility with open cut and underground options
- Interface with CHPP consultant
- Interfaces with statutory authorities regarding realignment of existing infrastructure

The Outcome

- United Collieries project personnel were actively engaged in the review workflow processes
- Capital cost trends from the Prefeasibility Study values were identified and reported progressively
- Study delivered on time and within budget

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