

**Editor Note: the following is an example only from the main publication and is meant as a sample only.**

## Ashton Mine

### General Details

**Location:** 12 km NW of Singleton, Hunter Valley Coalfield

**Address:** PO Box 699 Singleton NSW 2330

**Phone:** (02) 6576 1111

**Fax:** (02) 6576 1122

**Employees:** 307 + 30 contractors

### Personnel

**CHPP Manager:** Paul Davis

**Environmental Officer:** Lisa Richards

**General Manager:** Brian Wesley

**Open Cut Manager:** Brian Chilcott

**Underground Mine Manager:** TBA

### Company Details

**Holding Company:** Yancoal Australia Pty Ltd

**Management Company:** Ashton Coal Operations Pty Limited

**Shareholders:** Austral-Asia (30%), Yancoal Australia Pty Ltd

(60%); Itochu Corporation (10%);

### Coal Details

**Type:** Semi-soft coking and thermal

**Utilisation:** Export

**Principle Markets:** South East Asia

### Operations

Open cut and underground longwall

Open Cut Operating Method: Truck, Hydraulic excavator and front-end loaders.

Underground Operating method: multi-seam longwall

### Principle Seams

Open Cut

Upper Liddell – 2.15 m thick; Middle Liddell – 1.85 m thick;

Upper Lower Liddell – 2.20 m thick; Lower Lower Liddell – 0.98 m thick;

Upper Barrett – 1.50 m thick; Lower Barrett – 2.30 m thick;

Hebdon – 1.50m thick

Underground

Pikes Gully: 2.2 – 2.8 m thick, Upper Liddell: 2.0 to 2.8m thick.

### Equipment

Open Cut:

1 x Caterpillar 16H grader

1 x Caterpillar 773 water cart

2 x Caterpillar 777 water carts

2 x Caterpillar 789 trucks

1 x Caterpillar 994 loader

1 x Caterpillar D8 dozer

6 x Caterpillar D10 dozers

9 x Komatsu 630 trucks

3 x Komatsu 730 trucks

2 x Liebherr 994B excavator

1 x Liebherr 994-200 excavator

Underground:

1 x Dieci Samson 7010 7 t forklift

4 x Joy 12CM12 continuous miners

4 x 10SC32 shuttle car

6 x Jugonaut V2 loaders

2 x Stamler BF14B breaker feeder

2 x Vale 23 m<sup>3</sup> auxiliary fans

2 x Flakt 22 m auxiliary fan

1 x 210m wide Bucyrus longwall

1 x Eickhoff SL750 shearer

9 x PJB's Personal Transporters

### Annual Production

2003/04: 0.12 Mt saleable

2004/05: 1.60 Mt saleable

2005/06: 1.85 Mt saleable

2006/07: 1.85 Mt saleable

2007/08: 2.93 Mt saleable

2008/09: 3.14 Mt saleable

2009/10: 2.74 Mt saleable

2010/11: 1.68 Mt saleable

2011/12: 2.50 Mt saleable (forecast)

Mining commenced: 2004

Resources at end 2010

Total: 433 Mt; Measured: 170 Mt, Indicated: 103 Mt, Inferred:

170 Mt

Reserves at end 2010

Open Cut Total: 19.1 Mt; Proven: 15.3 Mt, Probable: 3.8 Mt

Underground Total: 41.7 Mt; Proven: 17.8 Mt, Probable: 23.9

Mt

Expected mine life: 21 years

### Transportation

Export coal railed 95 km to the Port of Newcastle.

### History

Mining Lease granted February, 2003.

Open cut mining commenced January 2004

Underground mining commenced December 2005

Longwall commissioned March 2007

### Handling

Processing Capacity: 1,100 tph

1 x 400 tph, 1 x 700 tph

McLanahan breakers

DMC / cyclone / spiral CHPP

### Coal Product Specifications

#### Soft Coking

Ash Content: 9.5%

Volatile Matter: 36.0%

Inherent Moisture: 2.7%

Specific Energy: 7,250 kcal/kg; 30.4 Mj/kg

Total Sulphur: 0.60%

Grindability (Hardgrove Index): 51

Ash Fusion Deformation Temp.: 1,380°C

CSN: 5.0

Phosphorous: 0.025