CONSTRUCTING THE WORLD CLASS GROSVENOR LONGWALL OPERATION PART OF OUR PLAN TO TRIPLE HARD COKING COAL PRODUCTION IN MORANBAH

A SAFE WORKFORCE		AL
1,283,862		OVE
LOST TIME INJURY FREQUENCY RATE 0.46		
TOTAL RECORDABLE CASE FREQUENCY RATE 0.62	Stop Look Assess Manage: 34,840	
STOP LOOK ASSESS MANAGE INTERACTIONS (SLAMS) 34,840	 Visible Felt Leadership Interactions: 3,785 Hazards Reported: 891 Site Inductions: 1,428 Job Safety Analyses: 783 	

INNOVATIONS NEW TO INDUSTRY



The earth pressure balance machine is the first tunnel boring machine used in underground mining in Queensland.





TWO ONE-KILOMETRE DRIFTS



The Grosvenor conveyor drift entrance. When underway, the tunnel boring machine will advance at rates of 8–15 metres in 24 hours.

REACH PIT TIMING SEPT JAN 2013 2013 **CONSTRUCTION MILESTONES** START CUT TUNNEL AND COVER BORER PERSONNEI **STARTS AT** AND CONVEYOR EQUIPMENT DRIFT DRIFT

SYNERGIES WITH MORANBAH NORTH



product stockpiles.







Upgraded Moranbah North transfer tower feeding existing and new

METALLURGICAL COAL