



BAYSWATER No 2 COLLIERY Company CHPP & Fine Coal WASHERY UPGRADE Design - Construct Project



KEY FEATURES

- Process design achieved better than the required +25% output on first commissioning
- Re-used mechanicals, tanks and some structurals to minimise overall costs
- Modular design constructed around operating washery for minimal outage impact
- Optimal design expanded mass flow bins with maximum capacity in available headroom
- Automated Euclid truck optimised fast filling system and extremely reliable operation
- Compact functional economical materials handling system



OVERVIEW

On the site that was to become Mt Arthur Coal Mine, iPUT had already undertaken staged upgrades to remove the many bottlenecks of the existing materials handling / loading CHP system and increased CHPP throughput by 25% via a feed and secondary circuit upgrade, including a 27m diameter concrete thickener retrofit to the washery. The new CHP system included supply and installation of a crushed coal bin, a washed coal bin and a rejects bin and all the associated conveyor systems. iPUT pioneered the development of a revolutionary 44,000t/hr high flow fully automated bin discharger to quickly fill trucks to their maximum carrying capacity, thereby producing even more operational savings with improved cycle times and reduced trip quantities.

Refer to: www.iput.com.au/projects/bcc-fc
and www.iput.com.au/projects/bcc-bulk for more details.

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