

Austral Coal and Joy Mining Machinery define Continuous Miner maintenance using RCM II

OUTCOMES

- *Maintenance programme matched to specific mine operating context*
- *Significantly reduced number of daily and weekly maintenance tasks*
- *Reduced levels of scheduled overhaul with greater emphasis on condition-based maintenance procedures*
- *Revised 'safe to operate' checks*
- *Diagnostics developed for all Miner systems*
- *Increased plant knowledge for maintainers and operators*

-blah, blah, blah."

Ian Sheppard: Mine Manager,
Tahmoor Colliery



L to R: Shane Chiddy, Senior Associate (Facilitator) ; Ian Sheppard, Mine Manager, Tahmoor Colliery; Alun Roberts, Director, The Asset Partnership; Ken Geddes, Workshop Manager, Joy Mining Machinery.

Austral Coal's new Joy 12CM30 Continuous Miner in the background.

As part of a major expansion of activities, Austral Coal's Tahmoor Colliery in the southern highlands south of Sydney has recently taken delivery of a new Joy 12CM30 Continuous Miner. In order to maximise machine availability and develop the highest return on investment, Reliability-centred Maintenance II was chosen as the tool with which the maintenance support requirements would be developed.

The RCM II analysis programme of all Miner systems was completed over a seven week period prior to the Miner being delivered to site using analysis teams comprising Joy technical staff and Tahmoor's own operators and maintainers. This approach has enabled Joy to develop a support programme meeting the specific needs of Tahmoor's operations and Tahmoor staff to develop an intimate knowledge of the Miner's systems prior to delivery to site. All team members were trained by The Asset Partnership on public RCM II training courses.

Key outputs for Joy included a major cut in the number of daily and weekly inspections required. For Tahmoor, reductions in the level of scheduled overhaul will translate into increased availability, higher output coupled with lower levels of spares and ongoing running costs. Spares requirements were developed using Reliability-centred Spares, a process which uses RCM outputs.

ASSET MANAGEMENT MATTERS

The Asset Partnership Pty Ltd
Suite 1, 2 Culdees Road
BURWOOD
NSW 2136

Phone: +61 2 9715 1405
Fax: +61 2 9715 1043
Email: mail@assetpartnership.com

THE ASSET PARTNERSHIP is licensed by **ALADON** to offer a range of training courses, implementation support and software in Reliability-centred Maintenance throughout Australasia, including:

- 3 day introductory RCM courses for analysis team members
- 10 day RCM Facilitator training programmes
- 2 day Condition-based Maintenance in the context of RCM programmes
- Senior Management RCM overview programmes
- RCM Toolkit database software for recording analysis decision developing maintenance schedules

RCM II is fully compliant with the new SAE RCM standard, JA 1011 and accompanying Guide, JA 1012

Course dates and registration facilities are available at www.assetpartnership.com.

