

mine

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M A T T E R S

Construction begins on Clermont Mine

Construction has commenced on the \$950 million dollar Clermont thermal coal mine in Central Queensland.

The project was given the green light in January 2007 and will replace the capacity of the nearby Blair Athol Mine, scheduled to close in 2012.

RTCA General Manager Projects Hennie du Plooy said construction had begun with early works activities.

“On site activities to connect running power to the site have begun, as well as earthworks and establishing access roads,” Hennie said.

“Work will begin soon on the on site construction village, and the first 100 beds will be complete mid year. During this time we will be utilising the BA single person’s quarters in Clermont.

“The engineering, procurement, construct and manage contractor Sinclair Knight Merz have also established an office in Clermont.”

Clermont Mine will produce up to 12.2 million tonnes of high quality thermal coal per year when it reaches full capacity in 2013, with an expected life of about 17 years at this production rate.

Clermont Mine will be an open cut truck/shovel operation with an inpit crushing and conveying system. Coal from Clermont Mine will be transported via a 13.3 kilometre conveyor to the existing product stockyards, stacker/reclaimers and train loadout facilities at Blair Athol Mine. The coal will be railed 278 kilometres to the Dalrymple Bay Coal Terminal.

RTCA Managing Director Doug Ritchie said the Clermont Mine will employ 400 people in the construction phase and around 380 during operations.

“The announcement to develop Clermont Mine underpins our long term commitment to the Clermont region. We have been a member of this community for more than 20 years and we are very pleased we can continue our strong relationships with the people and the region,” Doug said.

“As part of our ongoing focus on sustainable development, we have taken the opportunity to introduce new energy efficiency measures in the design of Clermont Mine. For example, the inpit crusher and conveyor system will halve our haul truck requirement.”

Recruitment for mining operation roles is expected to commence in late 2007 and first coal shipments from Clermont are expected to begin in the second quarter of 2010.

From the MANAGING DIRECTOR



As we progress into the second quarter of the year, 2007 continues to be a busy year for RTCA with a variety of challenging issues and new projects.

In January I was very pleased to announce RTCA will develop the Clermont mine, with an investment of \$A 950 million. The operation will produce up to 12.2 million tonnes of high quality thermal coal when it reaches full capacity in 2013.

RTCA has been a member of the Clermont community for over 20 years and the Clermont project provides us with an opportunity to continue our long term commitment to the region. Over the coming months more information about employment opportunities will be made available.

A feasibility study into the development of the Mount Pleasant project in the Upper Hunter is also underway. As part of our ongoing focus on

sustainable development, energy efficiency, effective water use and engagement with the local community will be key considerations for the project. Shortly we will open a shopfront in Muswellbrook so the local community can learn more about the project.

Coal & Allied's annual results for 2006 were released in February and reflected infrastructure constraints at the Port of Newcastle. Net profit after tax was \$206.8 million compared with \$291 million profit after tax in 2005 and production of 28.8 million tonnes was similar to 2005 production.

Lower rail and port capacity in the Hunter meant despite a high price for coal, shipments were nearly five per cent lower than in 2005. As the queue reached 60 ships late last year and early this year, we participated in a working group formed to address the issue. One of the outcomes of that working group that has been ratified by the PWCS board was the re-introduction of the capacity balancing system. While we recognise an urgent solution was required, in the longer-term we will work with other producers and infrastructure providers to design and implement a new demand management system for 2008 and beyond which is more transparent, efficient and balanced and addresses the capabilities of the entire coal chain.

By now many of you will have had the opportunity to attend a briefing on climate change delivered by RTCA's Climate Change Champion

Fiona Nicholls. At the recent General Managers' conference attended by GMs from across RTCA, half a day was devoted to the topic which demonstrates how important the issue is to our business.

Key to the success of the climate change plan is improving energy efficiency at our operations and I urge you all to get involved in making improvements. A variety of projects are already scheduled for implementation in 2007, such as in-pit fuelling at Hunter Valley Operations. However simple steps such as ensuring equipment is switched on only when necessary will make a difference. If you have an idea for an energy improvement initiative discuss it with your site energy champion - names and details are available on the RTCA climate change portal.

Coal & Allied is proud to continue its sponsorship of the Newcastle Knights in 2007. We wish the team all the best for the 2007 NRL season and will keep you up to date with their progress throughout the year.

With lots of activity for the business scheduled for the coming months, particularly construction, it is important we remain strongly vigilant about safety, as we work towards our goal of zero injuries.

Doug Ritchie
Managing Director

safety SHARE

Safe Driving

Safety while driving is important to everyone. Solitaire Gadsby RTCA Graduate Occupational Health and Safety has provided the following guidelines to reduce your risk of being involved in a vehicle accident:

- Be fit to drive - do not begin driving if you are fatigued. Ensure you get adequate amounts of high quality sleep and rest before undertaking your journey. When travelling long distances, a minimum of 15 minutes rest is recommended every two hours.
- Plan ahead - work out your route, including rest stops and overnight stops before you drive.
- Be prepared with the appropriate safety equipment - check the presence and safe operation of safety equipment such as car safety kits, seatbelts, fire extinguisher, braking system, cargo nets and airbags.
- Know your vehicle - be familiar with the vehicle you are operating.
- Check the condition of your vehicle - check for tyre condition, including spare tyre/s; the level of coolant and oil; all lights, windscreen wipers and the horn work; there are no unsecured objects in the car and the windscreen is free of star chips and/or cracks before you commence driving.
- Environment - be aware of the environment you are driving in. Traffic, roadworks, weather conditions, wildlife and unfamiliar roads can all be hazardous especially at night.

Hail Creek Mine wins Resources Award

for Women

In March Hail Creek Mine received the inaugural Resources Award for Women - best company initiative from the Queensland Resources Council (QRC).

The award, presented at the QRC's International Women's Day Breakfast, recognised Hail Creek Mine's commitment and focus on encouraging women to enter the workforce, particularly in non-traditional roles.

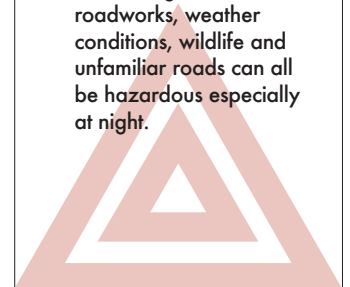
Hail Creek Mine's General Manager Tom Palmer said the award acknowledged the hard work of many at Hail Creek Mine.



The Resources Award for Women was accepted by Hail Creek Mine's General Manager Operations Tom Palmer (centre), Mining Operator Kelly Douglas (left) and Community Relations Specialist Anna Benson (right).

"At the commencement of operations at Hail Creek an employment strategy was developed to build the solid foundations for a strong culture based on diversity and equal employment opportunities," Tom said.

"We worked hard to target women in the recruitment process, along with members of the local community. Since that time we have successfully retained a high number of female employees which has brought new and diverse skills to the business."



RTCA climate change action plan launched

**RIO
TINTO**
COAL AUSTRALIA



RTCA's Climate Change Champion Fiona Nicholls visited all RTCA sites in February to present the three year climate change action plan to employees.

In the action plan, which can be found in its entirety on the Portal, RTCA commits to reducing our energy use and greenhouse gas emissions as well as supporting the development of clean coal technologies and raising awareness about climate change amongst key stakeholders.

"I was very pleased so many of our people across all roles and sites were able to give their time to attend the briefings," Fiona said.

"One comment that resonated with me was an employee who said he would like to know more about climate change so he could use the 'rabbit' defence when speaking about the issue with his children.

"He was referring to the TV advertisement, where a young boy asks his father why the Great Wall of China was built and not knowing the answer, the father replies 'to keep the rabbits out.' I hope as a result of the briefings, employees feel equipped to talk about climate change and what RTCA is doing with their friends, families and in their local communities."

For more information about the climate change action plan, see the RTCA Portal climate change page, or contact your site Energy Champion.

"I'm looking forward to talking to my family and friends as well as people in the community about what RTCA is doing and what we can do to help."

Eddie Chetcuti - Dragline Operator Hail Creek Mine

"It was interesting to learn about clean coal technologies and geosequestration. Moving forward, I hope we can work with our customers to encourage implementation of these technologies."

Leila Russack - Sales Admin Officer Brisbane

"The issue of climate change had been brought to my attention as a topical issue through the media so it was good to hear a clear, overall explanation of the science of climate change and what RTCA is doing to address it."

Katy Gothmann - Human Resources Officer Kestrel Mine

"I was impressed that an RTCA representative was able to spend the time to visit Blair Athol Mine to discuss the issue. We can do our bit to address climate change on site, but everyone in society has a part to play."

John Richmond - Coal Plant Supervisor, Blair Athol Mine

"I believe raising awareness about climate change will be key to solving its challenges. Fiona's presentation was interesting and achieved this."

Col Parker - Maintenance Supervisor Tarong Mine

"The briefing provided a realistic view of the science of climate change and the scale of the problem. I was pleased there weren't any slides of tidal waves destroying cities, only positives on what we can do to help."

Joseph Flack - Graduate Mechanical Engineer Bengalla

"I found the graph which demonstrates the increase in carbon dioxide in the atmosphere over the last 400,000 years very interesting. It's the first time I have seen data that clearly demonstrates how current carbon dioxide levels are well above previous natural cycles."

Anthony Margetts - Short Term Planning Superintendent Mount Thorley Warkworth

"The briefing gave a good overview of the issue, especially for people who haven't had previous exposure."

James Pettett - Mining Engineer Hunter Valley Operations

Bengalla gets MateSafe

In an effort to encourage an interdependent safety culture, Bengalla has introduced MateSafe - a peer to peer safety interaction system designed and implemented by a team of employees.

MateSafe provides employees with the opportunity to participate in safety interactions by choice and aims to improve safety among crews while keeping participants anonymous.

Four site champions were trained in August 2006 with 21 MateSafe interactions conducted in the first month.

Since September, Bengalla's D crew have conducted more than 140 Matesafe interactions with an 80 per cent participation rate. Other crews are currently rolling the programme out and positive results have been consistently achieved in their introduction phase.

Bengalla Manager Mining Tony Davis said the programme was designed by operators, for operators, with the aim of creating an interdependent safety culture where everyone is looking out for everyone else.

"MateSafe is exactly as the name suggests - a discussion about safety between mates," Tony said.

"The process is designed to thrash out less safe behaviours and gain commitment to change those behaviours. It also provides the platform for recognising and rewarding safe behaviours."

One of the fundamental principals behind the MateSafe process is 'no name, no blame'. The observations and outcomes of MateSafe safety interactions are documented by the person leading the discussion and collected to analyse quality, trends and opportunities for improvement. But only that person's name, not the participant's, is noted on the form.

"The anonymity of the process means people can learn to be safer without the stigma attached, and feel a sense of ownership because they have been involved in establishing the programme," Tony said.

"It is our belief this training and the skills we will learn by participating in MateSafe will help Bengalla to create a safer, more interdependent, collaborative, and open working environment."

Coal & Allied posts solid full year result

Coal & Allied recently reported a solid financial result in the 2006 full year results despite infrastructure constraints.

Net profit after tax was \$206.8 million compared with \$291.0 million profit after tax in 2005. 2006 production of 28.8 million tonnes was similar to 2005 production. Coal & Allied's share of 2006 sales volumes was seven per cent lower than 2005.

A fully franked dividend of \$0.25 per share will be paid on ordinary shares.

Managing Director Doug Ritchie said Coal & Allied's performance in 2006 reflected the continuing positive demand for coal, but was offset by ongoing constraints in infrastructure capacity and the increased cost of business inputs.

"While global demand for thermal coal remained relatively high throughout the year and resulted in strong prices, our total shipments were constrained by available port and rail capacity and were nearly five per cent lower than 2005," Doug said.

The capacity balancing system remained in place at the Port of Newcastle throughout 2006. However in September 2006, Hunter Valley coal producers voted not to continue with the system in 2007 and a take or pay system came into effect on 1 January 2007.

In late 2006, Coal & Allied confirmed its long term commitment to the Mount Pleasant Project with the commencement of a feasibility study into the project's potential development.

"As part of our focus on sustainable development, the proposed Mount Pleasant operation will be designed to maximise energy efficiency, manage water use and reduce impacts on our neighbours," Doug said.

Coal & Allied's 29 per cent reduction in net profit compared with 2005 was largely due to decreased sales as a result of the constrained infrastructure system. As a result of the continued strength of the resources sector, the cost of business inputs including raw materials and labour impacted on profits. Higher demurrage alone increased Coal & Allied's costs by \$10 million over 2005.

The full annual results are available on the RTCA Portal.

2006 RTCA Sustainable Development report



The fifth annual RTCA Sustainable Development Report is included with this issue of Mine Matters, reporting on RTCA and Coal & Allied's environmental, social and economic performance.

This is the second year Coal & Allied and RTCA have reported together and individual site booklets are included in the back cover.

Both employee and stakeholder consultation was conducted in 2006 to generate feedback to make the report more relevant to you. In response to feedback received, the 2006 report is more focused on reporting against targets than previous years.

Your comments and suggestions are important, and can be sent using the reply paid feedback form at the end of the report, or via email to info@rtca.riotinto.com.au.

ABS programme officially launched at RTCA

More than 65 employees joined the launch of the project preparation phase of RTCA's Aligning Business Systems (ABS) programme during February, representing the first step in implementing the Rio Tinto Business System scheduled to go-live in early October 2007.

The ABS Programme is a world wide initiative undertaken by Rio Tinto to consolidate its position as a leading global business, and is a key enabler of the Improving Performance Together programme.

ABS Project Manager Alison Hunt said "the implementation will result in significant change across key process areas and business systems. It's going to require considerable effort by the business to get ready."

To date, several Rio Tinto business units, including Energy Resources Australia, Rio Tinto Aluminium and Rio Tinto Shared Services, have completed their implementation projects with the ABS Programme and adopted the Rio Tinto Business Solution.

The Rio Tinto Business Solution provides a new way of managing all of the core components of the business including sales, marketing, purchasing, safety and risk management, human resource management, maintenance, production and financial tracking.

General Manager Commercial Ian Poole said changing our corporate systems and operational processes will have a positive impact on the way we conduct our business.

"Adopting the Rio Tinto Business Solution is not about a technical upgrade of systems; it introduces new ways of working, new measures and reports, and new relationships across sites which will impact employees, contractors, vendors and customers," Ian said.

"This solution provides us with the platform we need to foster collaboration within RTCA and with other Rio Tinto business units. It will give us greater visibility of how our business is truly performing."



The implementation of ABS across RTCA will change key processes and business systems

The project team, based in Brisbane and the Hunter Valley, is supported by a network of site implementation managers at every operation. All sites will be heavily involved in preparation for the changeover.

For more information about the ABS programme, see our community notice board, the RTCA Portal or contact Graham Willetts or Alison Hunt on (07) 3209 1203.

Hail Creek Mine *cleans up*

Hail Creek Mine has held its inaugural 'Clean Up Week' to encourage employees to reuse and recycle materials and reduce waste.

All employees and permanent contractors on site have been provided with a re-useable crib bag to replace plastic bags which impact the environment by increasing land fill.

Around 110 cubic metres of general waste and 130 cubic

metres of scrap timber was collected and removed from site, with several truckloads of concrete and other construction related materials also being cleaned up from around the site and accommodation village.

Office staff were encouraged to take an hour out of their day to clean and tidy up their immediate work area, and a further one or two hours to clean and tidy up an area outside.

Coal handling and processing plant, mining and maintenance crews were also allocated areas to tidy and clean up during the week.

Hail Creek Mine General Manager Operations Tom Palmer said a huge effort had been undertaken to ensure employees were aware of ways to reuse and recycle items on site.

"Currently, only 20 per cent of our general waste is being

recycled, but inspections of bins showed a lot of materials that could be recycled were being placed in general waste bins," Tom said.

"Our aim is to increase the amount of recycled waste from 20 to 50 per cent in 2007, and review this target annually."

The onsite accommodation village has also made some changes to how it collects and disposes of waste to ensure more recycling takes place. These changes have already made a significant improvement in Hail Creek Mine's ability to sort waste and improve the recovery rate of recyclable materials. Waste management training for all Village employees has also been undertaken.

Energy efficient and waste management themed prizes such as rechargeable torches and reusable cooler bags were awarded to people showing a commitment to recycling.

Outside the mine gates, 40 employees and their families also took part in 'Clean Up Australia Day' activities in Mackay on Sunday 4 March.



Matthew Holwell and Shaun O'Connor were amongst the Hail Creek Mine employees who removed 110 cubic metres of general waste and 130 cubic metres of scrap timber as part of the mine's inaugural 'Clean Up Week'

Pin handler reduces hazards at BA

After suffering a lost time injury (LTI) performing maintenance on Blair Athol Mine's dragline pins in March last year, Apprentice Boiler Maker Michael Ede has designed a dragline pin handler to reduce the hazards.

Dragline jewellery work has long been identified as high risk because of manual handling of heavy parts. Investigations following the LTI suggested removing fingers from the pinch point areas would greatly reduce the risk.

The dragline pin handler tool allows two maintainers to manually handle and align pins with better control and without placing hands near pinch points.

"I wanted to eliminate the hazard, and my team was very responsive in helping me refine my ideas," Michael said.

"Currently the design is still in the prototype stage and will be reviewed by an engineer before being considered for Blair Athol Mine's maintenance department."

One of the benefits of the new tool is the ability to fit a variety different sizes and types of dragline head pins, weighing between 16kg and 80kg.

Blair Athol Mine Maintenance Manager Tony Martyr said it was a significant achievement for Michael to turn a negative situation such as an LTI, into an innovation using his own initiative.

"It was great to see Michael being so proactive, and recycling scrap metal to make his prototypes," Tony said.



Apprentice boiler maker Michael Ede has designed a pin handler to reduce the risks of performing maintenance on the dragline.

"Not only that, Michael was extremely open to suggestions for improvement from his team mates and went through multiple designs to get the prototype right."

At the end of 2006, Michael travelled to Mount Thorley Warkworth to present the invention to dragline forum members from across RTCA.

CHPP work group trials poly rollers at Kestrel Mine

Kestrel Mine's coal handling and processing plant (CHPP) has installed recyclable polymer conveyor rollers to improve safety, reduce noise and energy consumption.

The plastic rollers were installed along the coking coal product conveyor at the CHPP as a trial on behalf of the RTCA CHPP common practice workgroup (CPWG).

Kestrel Mine CHPP Mechanical Engineer Bernard Jansen said although the trial was still continuing, the plastic rollers had already been an improvement on the previous steel rollers.

"Steel rollers are double the weight of the plastic version and present a higher risk with manual handling during installation and removal because of this," Bernard said.

"Along with the safety benefits, polymer rollers have reduced energy consumption because it takes less power to roll them than steel. Noise reduction has also been quite noticeable - you can easily hold a conversation next to the operating belt without raising your voice," Bernard said.

Polymer rollers have been in service in similar applications in a number of power stations in the Melbourne area for about six years.

Representatives from Kestrel Mine, Tarong Mine and Hunter Valley Operations visited two power

stations to inspect the rollers in service and discuss their performance with maintenance personnel.

HVO CHPP Mechanical Planner Daryl King said it was interesting to see how the rollers could be used in so many different areas of the supply chain.

"The biggest thing I saw at the two power stations, TRU Energy Yalourn and Loy Yang B, was their trial showed the polymer rollers don't rust. This has been a bit of a problem with steel idlers, where age related failures are caused, at least in part, by corrosion," Daryl said.

"After reporting our experiences back to the CPWG, Kestrel Mine CHPP Maintenance Superintendent Rod Banks offered to conduct a full trial of the polymer rollers at Kestrel Mine, which the CPWG supported."

Part of the "One RTCA" strategy is to improve capability and performance through active communities of practice. The CPWG is a way for site practitioners to come together to learn from, and with, each other to improve their practices more rapidly without duplicating effort.

The current trial will continue at Kestrel Mine and if successful, the CPWG will share the results across other RTCA CHPPs.



ACICC update

In its first full year of operation, the Tarong Mine Aboriginal Community Interest Consultative Committee (ACICC) has approved nearly \$400,000 for 25 projects, aimed at delivering long term sustainable outcomes for the South Burnett Aboriginal community.

The range of projects includes improving numeracy and literacy, providing information technology equipment to schools, providing equipment to sporting teams, documenting stories and photos from elders and a lifestyle class for people living with diabetes and obesity.

Many programmes are already yielding results. For example, the YACCA Annexe programme is successful in returning some of their at-risk high school students to mainstream education, and the Strong Smart readers programme is seeing a lift in confidence and participation in students after making available books featuring Aboriginal art and stories.

The ACICC has also established a scholarship programme for high school students to help with study costs. A similar programme is available to local Aboriginal students studying at tertiary level.

Tarong Mine General Manager Operations Cam Halfpenny said the number and diversity of projects was significant in ensuring the entire Aboriginal community benefited from the funding.

"The ACICC has been helping a range of people in its first year; students, adults and families, and it has been encouraging to see the number of applications coming through," Cam said.

"The success of the ACICC builds on RTCA's support of the renal unit at Cherbourg Hospital and the establishment of scholarships for high school students, all showing our commitment to the long term sustainability of this community."

Tarong Mine's relationship with the Wakka Wakka extends back to 2004 when RTCA sought a meeting with the native title claimants to discuss ways of working with Aboriginal interests in the area.

The relationship continues to provide real benefits for both the Aboriginal community and the mine, providing RTCA access to complete exploration drilling at Kunioon and involving Wakka Wakka Traditional Owners in cultural heritage surveys to preserve cultural relics.

Bursting with Energy

Coal & Allied were part of the many attractions at the 'Bursting with Energy' Expo at the Muswellbrook Showgrounds on 22 - 24 March.

2007 was the first time employees from many of the Coal & Allied sites worked together at the stand to provide the local community with more information about Coal & Allied's operations and commitment to sustainability.



Hunter Valley Operations Superintendent Safety Scott Symons and Bengalla Mine Electrical Engineer John Martin on the job at the Bursting with Energy Expo.

Students from Wondai State School have benefited from a range of programmes targeting leadership, literacy and dance.



EMPLOYEE Profile



Ian Danks

Throughout his twenty five years working in the CHPP at Mount Thorley Warkworth (MTW), Ian Danks has seen a lot of changes but one thing has remained the same: his commitment to safety.

Ian began his career in 1981 as a Plant Operator in the CHPP at Warkworth Mining. He worked in a variety of roles before taking on the role of Project Team Planner five years ago. In this role, Ian has managed a variety of safety improvement projects.

"For twenty years we were production oriented but our injury frequency rate was much higher. Today we have significantly reduced our injury rate by making improvements and ensuring safety is top of mind in everything we do," Ian said.

Five years ago, Ian helped introduce the mandatory use of gloves across the mine site. This has contributed to a reduction in hand injuries from roughly 32 a year to four or five a year across the whole site.

"I worked with a team of employees from all departments across the mine to implement the policy. The process involved running trials of the gloves, interviewing employees and demonstrating the gloves could make a real difference in reducing hand injuries," Ian said.

Ian has also been involved in the construction of a boom gate and road tarring at the CHPP.

"Before the boom gate was constructed it was identified it was possible for unauthorised personnel, who may not be wearing the appropriate Personal Protective Equipment (PPE) to enter the Run of Mine (ROM) and mine area through the CHPP roads," Ian said.

"As a result we began the process of constructing a boom gate, including planning who would have access, re-directing traffic and updating safety procedures. The boom gate and tarring have now been completed. The tarring is helping to keep the CHPP area cleaner and safer, particularly in wet weather."

Ian said he has found his experience as an operator helpful in his current role, because it gives him insight into what will work and what won't when it comes to safety.

"One part of my role is ensuring we have the correct safety signage on equipment. It's important I think about the different angles from which people may be working to ensure the signage is visible from 50 or 60 metres away.

"I am proud to be involved in initiatives like these which have contributed to the strong safety culture we have at MTW. Coal & Allied is very supportive and focused on improvements."

Ian's Supervisor Col Mathews said Ian's years of experience and focus on safety have made him a very valued employee and essential member of the team.

"Ian's wealth of knowledge and positive attitude towards safety have been invaluable. On an ongoing basis, Ian also looks after the site induction processes for contractors," said Col.

Ian has a keen interest in astronomy and has recently formed the Stargazers of the Hunter consisting of fellow enthusiasts who share his passion. Astronomy has taken the place of Ian's interest in Scottish music - previously he was the Drum Major of the Singleton Pipes and Drums.

THIS IS YOUR NEWSLETTER

Send your story ideas, feedback and suggestions for Mine Matters to newsletter@rtca.riotinto.com.au or via the internal mail to Amy Power or Eleanor Nichols, RTCA.

Mine Matters can also be accessed electronically on the homepage of the RTCA Portal.