

# Short Course on The Fundamentals of Good Mine Rehabilitation – Achieving Better Outcomes



29 July – 31 July 2009  
Charters Towers, Queensland

This course has been designed to address the fundamentals of good mine rehabilitation practice throughout northern Australia. The need for such a course was identified by leading industry members as a priority, particularly for younger, less experienced personnel charged with responsibility for rehabilitating sites disturbed by mining or other extractive industries.

The recent mining boom and associated skills shortage posed many challenges for resource companies, and oftentimes rehabilitation was not undertaken or the quality of the rehabilitation was poor. There may be multiple explanations for the less than desirable rehabilitation outcomes including:

- (i) high turnover of knowledgeable staff and loss of corporate knowledge of appropriate rehabilitation techniques,
- (ii) recruitment of personnel inexperienced in good rehabilitation design and practice,
- (iii) environmental personnel having multiple roles in companies and having inadequate time to focus on rehabilitation,
- (iv) rehabilitation objectives not clear,
- (v) planning time frames not well defined,
- (vi) inadequate supervision by environmental staff of external contractors,
- (vii) inadequate assessment of soil and spoil materials resulting in poor establishment,
- (viii) use of inappropriate seed mixes and possibly other explanations.

Issues to be covered in the course include:

- Current Industry Setting and Challenges *Course Highlight*
- Business Case for Good Rehabilitation Practice *Course Highlight*
- Regulatory Perspectives on Mine Rehabilitation
- Life of Mine Planning and the Importance of Proper Material Characterisation
- Practical Perspectives on Mine Closure Planning including Risk Assessment, Planning for Short, Medium and Long Term and Work Programs *Course Highlight*
- Mined Landform and Drainage Design (including Erosion and Water Management Issues) *Course Highlight*
- Development of Sustainable Ecosystems – Selective Handling of Soils and Overburden including Saline Materials *Course Highlight*
- Ecosystem Establishment (including Case Studies on Waste Dumps, Stockpiles and Tailings)
- Management, Maintenance and Monitoring of Vegetation Establishment
- Development of Appropriate Completion Criteria (including Case Studies for agricultural land) *Course Highlight*
- The Detail of Rehabilitation Planning and Implementation – The Role of the Risk Register, Control Measures, and Documentation of Procedures, Training and Workforce Education *Course Highlight*
- Visit to Mt Leyshon Mine Site to Observe and Discuss Rehabilitation and Mitigation Measures *Course Highlight*
- Case Studies for Coal, Metalliferous, Bauxite and Iron Ore Mines *Course Highlight*
- Discussion Sessions

## Benefits of Attending this Program

Attendance at this course will provide industry personnel, who have responsibility for rehabilitation of mines or quarry sites or other disturbed sites, with an increased knowledge and an array of skills that will enable them to achieve improved rehabilitation outcomes. Participants will be provided with detailed notes, check lists, reference material, tips and tricks and the experiences of other delegates and presenters to guide them when they return to their operations. This information should also assist in reducing costs associated with the need to re-sow rehabilitation areas that have failed.

## Speakers

Emer Prof Clive Bell – former ACMER Executive Director  
Mr Rory Haymont – Regional Coordinator Closure and Reclamation, Newmont Asia Pacific  
Ms Tania Laurencont – District Manager, Qld DERM  
Dr Owen Nichols – Principal EMRC Consultants  
Ms Corinne Unger – Consultant  
Ms Toni Ward – Manager Environment, Peabody Pacific PL  
Other Speakers TBA

A detailed Program will be available soon on the  
ACMER website

# Registration...

## Delegate Details

Title:.....  
First Name:.....  
Surname:.....  
Position:.....  
Organisation:.....  
Postal Address:.....  
Suburb/Postcode:.....  
State/Country:.....  
Phone:.....  
Fax:.....  
Email:.....  
Dietary Requirements: .....

## Venue

John Fry Conference Room –  
Queensland Primary Industries and  
Fisheries  
1-5 Prior Street (Cnr Macpherson St)  
Charters Towers, QLD 4820  
Phone: (07) 4761 5151  
Fax: (07) 4761 5172

## Registration (Due Wednesday 15<sup>th</sup> July)

- Early-bird Registration - \$2395 - if registration received before 2<sup>nd</sup> July**
- 3 Day Short Course - \$2595 (registrations received after 2<sup>nd</sup> July 09)**
- Workshop Dinner – Wednesday 29<sup>th</sup> July (incl in registration)**

All prices include GST. Registration costs include morning/afternoon refreshments, lunches, Course dinner, coach travel to/from Townsville/Charters Towers and a comprehensive set of notes. Limited places available.

## Payment Details

Cheque - made payable to The University of Queensland

Company Purchase Order No:.....  
Company ABN No:.....  
Mailing address for invoice:.....  
.....

Bankcard       MasterCard       Visa

Card Number:                  
Name of Cardholder:.....  
Expiry Date:.....  
Signature:.....

## Accommodation

Cattleman's Rest  
1 Bridge Street (Cnr Bridge & Plant  
St) Charters Towers, QLD 4820  
Phone: (07) 4787 3555  
Fax: (07) 4787 4039

Park Motel  
1 Mossman Street  
Charters Towers, QLD 4820  
Phone: (07) 4787 1022  
Fax: (07) 4787 4268

Heritage Lodge Motel  
79-97 Flinders Highway  
Charters Towers, QLD 4820  
Phone: (07) 4787 4088  
Fax: (07) 4787 4358

## ACMER Communication

Tick here if you do not wish to receive our electronic Program Updates

Where did you learn about this Short Course?

ACMER Emailing     Colleague     ACMER Website     Other (please specify):.....