

## International Summit on Derelict Mines – sessions and themes

# Dealing with Derelict Mines 2016

Novel risk-based approaches to managing problems,  
issues and policy challenges

6–8 December 2016

Singleton Diggers, York Street, Singleton NSW 2330

CRC CARE will provide further details (times and more speakers) soon.

**Tuesday 6 December, evening:** Welcome function (details to come)

**Wednesday 7 and Thursday 8 December:** International Summit on Derelict Mines

### Summit sessions and themes

#### 1. Minerals industry – building the Australian economy

To be held at the Tuesday evening welcome session, this plenary lecture from a representative of the Minerals Council of Australia will cover employment, local and international trade, policies relating to the potential environmental impacts of active mines, and mitigation strategies.

#### 2. Managing mining impacts – international perspectives

Representatives from Canada (Dr Gilles Tremblay, Technical Manager, International Network for Acid Prevention), China (Dr Yubiao Li, School of Resources and Environmental Engineering, Wuhan University of Technology), South Africa (Professor Harold Annegarn, Adjunct Professor, Energy Institute @ SARETEC, Cape Peninsula University of Technology and Extraordinary Professor, Geography and Environmental Management North West University Potchefstroom), UK (Dr Hugh Potter, Technical Advisor in the National Geosciences Team of the UK Environment Agency's Environment & Business Directorate) and USA (Erinn Shirley, US Bureau of Land Management, Washington, DC) will present on:

- Policies pre- and post-mining
- Clean-up goals and associated site risk assessment
- Best management practices and available technologies for treating mine wastes
- Reuse of mine wastes
- Policy considerations relating to energy and carbon sequestration
- Implications of climate change and extreme weather events on managing/rehabilitating derelict mines
- Challenges to managing abandoned mines
- Problems of revegetation and biodiversity management at derelict mine sites
- Community input and engagement.

#### 3. Setting standards and regulatory measures/policies relating to mine closure and building a national inventory of derelict mines in Australia

Representatives from NSW (Dr David Blackmore, Director Environmental Sustainability, Division of Resources & Energy, NSW Department of Industry), NT (Dr Mike Fawcett, Director Mining Remediation, Mining Remediation Division, Mines Directorate, NT Department of Primary Industry and Resources), Queensland (Oskar Kadletz, Abandoned Mines Coordinator, Queensland Department of Natural Resources and Mines), SA (Antonia Scrase, Principal Officer, Mine Closure, SA Department of State Development),

WA (Karen Caple, General Manager Administration and Reform, WA Department of Mines and Petroleum) and Tasmania (TBC) will present on:

- Number of derelict mines, including historical perspectives in each state
- Policies relating to the management of derelict mines and when potential adverse impacts of such sites were first recognised
- Current management strategies
- Government perspectives towards management of derelict mines
- Land-use patterns and stakeholders proximal to derelict mine sites
- Policy and technological gaps
- Standards and regulatory measures
- Policies relating to mine closures and rehabilitation
- Ownership and liability issues.

#### **4. Managing derelict mines**

Case studies from across Australia will focus on:

- SA: *The Brukunga mine site and lessons of a long-term remediation strategy* – Dr Raul Mollehuara, SA Department of State Development
- NSW: *Woodsreef asbestos mine major rehabilitation project* – Dr David Blackmore, NSW Department of Industry
- Queensland: *Mount Morgan mine site: long-term site management* – TBC, Queensland Government
- Tasmania: *Mt Lyell copper mine* – TBC, Mt Lyell Mining and Railway Company
- Tasmania: *Savage River magnetite mine Rehabilitation Project* – Colleen Cole, Manager, Scientific and Technical Branch, EPA Tasmania
- NT: *Redbank copper mine* – TBC, Redbank Copper Ltd (current owner).

#### **5. Understanding community perspectives**

This session recognises the concerns and perceptions of Indigenous peoples, farmers and other communities. Presenters will discuss strategies that mining companies and the Minerals Council of Australia use for dealing with derelict mines in a community context.

Contributors to this session include:

- Keynote address – Professor Tim Roberts, Director Tom Farrell Institute, University of Newcastle
- Environmental managers from major mines including BHP Billiton Iron Ore, Glencore and Rio Tinto (TBC)

#### **6. Risk-based management of derelict mines**

A risk-based approach to managing contaminated or degraded sites is now recognised as the most cost-effective, reliable and sustainable strategy. Following a keynote address emphasising the critical elements of this approach, the session will focus on case studies of the successful risk-based management of several abandoned mines.

Contributors include:

- Keynote address: *Risk-based approach to managing contaminated land with particular emphasis on mine sites* (speaker TBC)
- Nick Staheyeff, Manager Derelict Mines, Division of Resources & Energy, NSW Department of Industry
- Dr Dane Lamb, Global Centre for Environmental Remediation, University of Newcastle: application of a risk-based approach to sites in NSW.

**For registration and more information: [www.crccare.com/derelictmines2016](http://www.crccare.com/derelictmines2016)**