SSUSTAINABLE SOCIAL SOLUTIONS

Dates: 17 & 18 March 2011
Venue: Gallagher Estate, 9 Richard Drive, Midrand

Confirmed Speaker Faculty:

**DAY ONE - INDUSTRY DAY**

Johan Fourie  
Group Environment Engineering Consultant  
SIMMER AND JACK MINES (PTY) LIMITED

Elize Swart  
Group Manager: Environment  
LONMIN

Robyn Millett  
Senior Environmental Consultant  
NKOMATI MINE

Freda Moatshe  
Environmental Manager  
GREAT BASIN GOLD

Nico Gewers  
Environmental Manager  
GOLDFIELDS

Nathan William  
Safety And Sustainable Development Manager  
BLACK MOUNTAIN MINE

**DAY TWO - WORKSHOP DAY**

John Mark-Killian  
Social Scientist  
UMSIZI SUSTAINABLE SOCIAL SOLUTIONS

Melt Marais  
Environmental Scientist  
SIBANEKILE ENVIRONMENTAL SERVICES

Chrizette Neethling  
Ecologist  
ENDEMIC VISION ENVIRONMENTAL SERVICES

Piet van Deventer  
Senior Lecturer And Environmental Rehabilitation Scientist  
NORTHWEST UNIVERSITY

Beric Robinson  
Mine Waste Management Scientist  
FRASER ALEXANDER TAILINGS

Fanie Botha  
Water Resource Specialist  
PRAXOS

Representation From 6 Mining Companies!!

Key Issues To be Addressed:

• Are you at risk with your mine closure?
• Do you have a mine closure plan in place?
• Are you implementing the right strategies to minimize the risk of mine closure?
• Are you at risk of being sued?
• How can you obtain a closure certificate from the DMR?
• Are you reducing closure risks through your management or increasing it?
• Taking into account that best practice and legislation dictate that you plan for mine closure

Workshop Strategies To be Discussed:

• Social Closure Planning
• Environmental Closure Planning
• Environmental Closure Modelling
• Rehabilitation Solutions For Mine Closure
• Mine Waste Management For Closure
• Mine Water Management

Invited: DMR  
(Awaiting Confirmation)

Researched & Developed By:  
Workshop Partner  
Media Partner  
Supporting Publications

FOR EASY REGISTRATION CALL Amrita: +27 (0) 11 462 0966 OR FAX: +27 (0) 86 5089 818
VISIT: www.intelligencetransferc.co.za
08:30 Welcome & Opening By Chair

John Mark-Killian
Social Scientist
UMSIZI SUATINABLE SOCIAL SOLUTIONS

09:00 The Risks Associated With Acid Mine Drainage (AMD)
• AMD with regards to the South African mining industry
• Identification of point pollution sources as the main cause of AMD
• Classification of the risk of AMD in terms of legal, technical and financial risks
• Risk Management of AMD:
  » Ground water ingress control as major factor to be managed in AMD prevention strategies
  » Preventive measures
  » Remedial measures
  » Cost benefit analysis of both sets of measures
  » Conclusions and recommendations

Johan Fourie
Group Environmental Engineering Consultant
SIMMER AND JACK MINES (PTY) LIMITED

09:45 An Integrated Approach Towards Mine Closure
• The “environmental bottom-line” for mining companies
• The practical application of risk-based closure planning and management
• Key learning points from this approach

Elize Swart
Group Manager: Environment
LONMIN

10:30 Morning Tea & Networking Opportunity

11:00 Nkomati Joint Venture – The Mine’s Vision For A Sustainable Mine Closure, With Focus On The “3 P’s”: People, Profit and Planet
• Nkomati Mine: Integrated mine plan strategy
• Economic benefit (profit)
  » Integration with the Local IDP and Provincial SDF
• Social component (People)
  » Identified SMME’s and SED’s
• Rehabilitation (Planet)
  » Definition of rehabilitation
  » Concurrent rehabilitation
• Biodiversity Action Plan
  » Re-introduction of lost biodiversity (Fauna and Flora)
• Aftercare and maintenance

Robyn Millett
Senior Environmental Consultant
Nkomati Mine

11:45 A New Mine With Mine Closure In Mind:
Burnstone Mine - A Model Mine
• Underground and surface infrastructure design-environmentally friendly designs
• Waste management-sustainable waste recycling solutions
• Water management-integrated water management plan
• Sustainable environmental stewardship through line and frontline structures

Freda Moatshe
Environmental Manager
GREAT BASIN GOLD

12:30 Luncheon And Networking Opportunity

Welcome By Afternoon Chair
Chrizette Neethling
Ecologist
ENDEMIC VISION ENVIRONMENTAL SERVICES

13:15 Minimising the Environmental Impacts Caused By Mining
• Mitigation must have a long-term view on closure and a potential reduction in closure liability
• A holistic, innovative approach is needed to address environmental impacts
• Regulatory and community/stakeholder consultation and involvement are critical success factors to be considered and catered for
• Sustainable solutions are paramount

Nico Gewers
Environmental Manager
GOLDFIELDS

14:00 Black Mountain Mine Closure Case Study – How To Plan A Sustainable Closure Looking At The Social And Community Aspect
• Understanding your specific context – profiling and data gathering
• Knowing your own operation’s priorities – future planning and down scaling
• Bridging the gap
• Developing an integrated management response
• Setting up monitoring vehicles

Nathan William
Safety And Sustainable Development Manager
BLACK MOUNTAIN MINE

14:45 Open Floor Discussion
This platform will give delegates and speakers time to discuss issues that were not addressed during the conference

15:00 Closing Remarks From The Chair
### Day Two - 18 March
#### Workshop Day

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
<th>Topic</th>
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<tr>
<td>08:30</td>
<td>Welcome &amp; Opening Chair</td>
<td>John Mark-Killian&lt;br&gt;<strong>Social Scientist</strong>&lt;br&gt;<strong>UMSIZI SUSTAINABLE SOCIAL SOLUTIONS</strong></td>
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<td>09:00</td>
<td>Social Closure Planning</td>
<td>John Mark-Killian&lt;br&gt;<strong>Social Scientist</strong>&lt;br&gt;<strong>UMSIZI SUSTAINABLE SOCIAL SOLUTIONS</strong></td>
<td>- How to do a social closure plan and integrate your affected communities to reduce risk and impacts&lt;br&gt;- Practical case study examples</td>
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<td>09:45</td>
<td>Environmental Closure Planning</td>
<td>Melt Marais&lt;br&gt;<strong>Environmental Scientist</strong>&lt;br&gt;<strong>SIBANEKILE ENVIRONMENTAL SERVICES</strong></td>
<td>- Quantum closure cost planning and closure risk assessment from a DMR regulatory perspective</td>
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<td>11:00</td>
<td>Environmental Closure Modelling</td>
<td>Chrizette Neethling&lt;br&gt;<strong>Ecologist</strong>&lt;br&gt;<strong>ENDEMIC VISION ENVIRONMENTAL SERVICES</strong></td>
<td>- A legal perspective from all governing bodies regarding mine closure&lt;br&gt;- Closure modelling steps</td>
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<tr>
<td>11:45</td>
<td>Rehabilitation Solutions For Mine Closure</td>
<td>Piet van Deventer&lt;br&gt;<strong>Senior Lecturer And Environmental Rehabilitation Scientist</strong>&lt;br&gt;<strong>NORTHWEST UNIVERSITY</strong></td>
<td>- Alternative solutions for land use planning and management of environmentally disturb areas through mining&lt;br&gt;- Practical case study examples</td>
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<td>Mine Waste Management For Closure</td>
<td>Beric Robinson&lt;br&gt;<strong>Mine Waste Management Scientist</strong>&lt;br&gt;<strong>FRASER ALEXANDER TAILINGS</strong></td>
<td>- Sustainability solutions for mine waste deposits and management beyond closure&lt;br&gt;- Practical case study examples</td>
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<td>14:15</td>
<td>Mine Water Management</td>
<td>Fanie Botha&lt;br&gt;<strong>Water Resource Specialist</strong>&lt;br&gt;<strong>PRAXOS</strong></td>
<td>- Acid Mine Drainage&lt;br&gt;- How to implement sustainable passive water management techniques</td>
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<td>15:30</td>
<td>Closing Remarks From The Chair</td>
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### What Delegates Had to Say

**About Our Past Conferences**

- “Very Good Practical Information”<br>Chief Surveyor, Taung Gold
- “Excellent topics & networking opportunities”<br>Environmental Manager, BHP Billiton
- “Thank you for an excellent 3days – a lot was learnt”<br>Technical Manager, Optimum Coal

**Who Should Attend?**

Environmental Manager/Director • Environmental Specialist: Waste & Land • Mine Manager • Mine Supervisors • Land Managers • Mining Safety Engineers • Health & Safety Manager • Safety Co-ordinator • Legal Team • SHEQ Manager • SHEQ Officer • EAP Manager • Sustainability Managers SLP • Socio Economic Development Head/Manager •

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I acknowledge that I have read, understood and accept the programme and Terms and Conditions (including Payment Terms) and hereby apply for registration on behalf of myself (if a single delegate) or on behalf of the undermentioned organisation which I am duly authorised to represent.

Name:

Name of Organisation*:

Job Title (Specific):

Email:

Date:

Signature:

(Where organisation sends delegate/s and is responsible for payment of conference/course fee*)

EASY PAYMENT METHODS: DIRECT DEPOSIT, CREDIT CARD OR CHEQUE:
NEDBANK, INTELLIGENCE TRANSFER CENTRE, BRANCH: SANDOWN, BRANCH CODE: 193305, ACCOUNT NUMBER: 1933207779

IN ORDER TO SECURE YOUR REGISTRATION, PAYMENT IS DUE IN FULL UPON RECEIPT OF INVOICE.

Confirmation - Your registration will only be confirmed until such time as payment is received and may be subject to cancellation.

Right of Admission – Intelligence Transfer Centre reserves the right to refuse admission to the training course where evidence of full payment cannot be shown. Delegate Substitutions – Delegate substitutions are welcomed at any time and do not incur any additional charges. Please notify us in writing of any such changes.

Delegate Cancellations:

• for any cancellations received 20 working days before the start of a training course, Intelligence Transfer Centre will issue a 100% credit for the value paid to be used for up to one year from the date of issue for any future INTELLIGENCE TRANSFER CENTRE training course

• for any cancellations received less than 20 working days before the date of the training course, the full fee will be payable and no refunds or credit notes will be given

• if a registered delegate does not cancel and fails to attend the training course, this will be treated as a cancellation and no refund or credit note will be issued

• Delegate substitutions are welcome—Please notify us 5 days before the event

ITC Substitutions and Cancellations:

Speakers and topics are confirmed at the time of publishing of the programme, but ITC reserves the right to substitute, alter or cancel advertised speakers and/or topics in appropriate circumstances (and will give notice to such substitutions or alterations via email prior to the conference as soon as possible)

Intelligence Transfer Centre Cancellation & Postponement policy

In the event that Intelligence Transfer Centre cancels an event, delegate payments will be refunded. In the event that Intelligence Transfer Centre postpones an event, delegate payments at the postponement date will be credited towards the rescheduled date. If the delegate is unable to attend the rescheduled event, the delegate will receive a 100% credit representing payments made towards a future event. This credit will be available for up to one year from the date of issuance. No refunds will be available for postponements. Intelligence Transfer Centre is not responsible for any loss or damage as a result of a substitution, alteration or postponement of an event. Intelligence Transfer Centre shall assume no liability whatsoever in the event this training course is rescheduled or postponed due to a fortuitous event, Act of God, unforeseen occurrence or any other event that renders performance of this training course impracticable or impossible. For purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergency.