

# PROGRAM



**Workshop on  
Life of Mine Planning  
Technical Aspects of Operations, Closure and Relinquishment  
Bentley, WA 23-27 February 2009**

**Monday 23<sup>rd</sup> February 2009**

**Presenters**

**LIFE OF MINE PLANNING**

08.15 am	Registration	
	Introduction - Arrangements and Participant Background	<b>Mr Ron McLean</b> ACMER
08.30 am	Introduction to Life of Mine Planning	<b>Dr Danielle Risbey</b> DOIR
08.45 am	Brief Outline of ICMM/MCA EV SD Principles	<b>Emer Prof Clive Bell</b> ACMER
09.00 am	Life of Mine Planning	<b>Emer Prof Clive Bell</b> ACMER
09.45 am	Developing Operational Plans and Closure Plans	<b>Ms Joanne Heyes &amp; Ms Kate Sommerville</b> BHP Billiton Iron Ore
10.45 am	Morning Break	
11.15 am	Regulator Expectations for Site Relinquishment	<b>Mr Eugene Bouwhuis</b> WA DOIR
12.00 noon	Discussion/Q & A Session	
12.30 pm	Lunch Break	
01.15 pm	Characterisation of Soil and Waste Materials	<b>Emer Prof Clive Bell</b> ACMER
02.45 pm	Afternoon Break	
03.15 pm	Characterisation of Soil and Waste Materials (cont'd)	<b>Emer Prof Clive Bell</b> ACMER
05.00 pm	Q & A Session	
05.15 pm	End of Day 1/ Cocktail function - Techpark	

# PROGRAM



## Workshop on Life of Mine Planning Technical Aspects of Operations, Closure and Relinquishment Bentley, WA 23-27 February 2009

Tuesday 24<sup>th</sup> February 2009

Presenters

### WATER MANAGEMENT

08.15 am	Registration	
08.30am	Types of Aquifers, their Characteristics and Management	<b>Mr Gary Humphreys</b> WA Department of Water
9.10am	An Overview of Regulatory Guidelines and Policies in WA	<b>Mr Darryl Abbott</b> WA Department of Water
9.50am	Water Quality Monitoring	<b>Mr Phil Whittle</b> Hydrobiology
10.30 am	Morning Break	
11.00 am	Surface Water/Groundwater Interaction; The Implications for Mine Water Management and Groundwater Dependent Ecosystems	<b>Dr Ryan Vogwill</b> WA DEC
11.40am	Managing and Monitoring to Protect Groundwater Dependent Ecosystems	<b>Dr Stuart Halse</b> Benelongia Pty Ltd
12.00 pm	Understanding Karst Systems	<b>Ms Jay Anderson</b> Dissolved Rock
12.30 pm	Lunch Break	
1.15pm	Panel Discussion/Q & A Session	
1.45pm	Seepage and Tailings Management	<b>Mr Christopher Lane</b> Coffey Geosciences
2.30pm	Surface Water Management	<b>Mr Vince Piper</b> Aquaterra
3.10 pm	Afternoon Break	
3.40 pm	Voids and Wetland Issues	<b>Mr Phil Whittle</b> Hydrobiology Pty Ltd
4.20pm	Salt Lake Water Issues	<b>Dr Veronica Campagna</b> Outback Ecology
4.45pm	Panel Discussion/Q & A Session	All Speakers
5.15pm	End of Day 2	
6.30pm for 6.45pm	Workshop Dinner	

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<b>Wednesday 25<sup>th</sup> February 2009</b>		<b>Presenters</b>
08.15 am	Registration	
08.30am	Developing an Overall Landform/Landscape Design	<b>Mr Keith Lindbeck</b> Keith Lindbeck and Associates
10.00 am	Morning Break	
10.25 am	Practical Landform Construction	<b>Mr Rory Haymont</b> Newmont
11.10 am	Tailings Characteristics and Disposal Options	<b>Mr David Williams</b> Golder Associates
11.50 am	Identification of Risks and Methods for their Reduction	<b>Mr Evan Howard</b> Landloch Pty Ltd
12.30 pm	Lunch Break	
01.30 pm	Erodibility of Material and Erosion Prevention/Minimisation	<b>Mr Evan Howard</b> Landloch Pty Ltd
02.15pm	Q & A Session	All Speakers
<b>ECOSYSTEM ESTABLISHMENT</b>		
02.45 pm	Afternoon Break	
03.15 pm	Selective Handling of Topsoil and Overburden: Construction of Root Zone for Rehabilitation in Different Regions	<b>Emer Prof Clive Bell</b> ACMER
04.00 pm	Soil Management and Amelioration	<b>Prof Bob Gilkes</b> The University of Western Australia
05.00 pm	End of Day 3	

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**Thursday 26<sup>th</sup> February 2009**

**Presenters**

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## **ECOSYSTEM ESTABLISHMENT (CONT'D)**

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08.00 am Registration

08.15 am Baseline Monitoring, Planning and Preparation

**Dr Owen Nichols**  
EMRC

08.45 am Essentials of Ecosystem Establishment

**Dr Owen Nichols**  
EMRC  
**Mr Harley Lacy**  
Outback Ecology

10.15 am Outline of Site Visit to Inspect Rehabilitation

**Dr Owen Nichols**  
EMRC

10.30 am Morning Break

11.00 am Site Visit to Alcoa Pinjarra Refinery

**Mr Ian Lockley**  
Alcoa World Alumina

06.00 pm Return from Site Visit

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## Workshop on Life of Mine Planning Technical Aspects of Operations, Closure and Relinquishment Bentley, WA 23-27 February 2009

Friday 27<sup>th</sup> February 2009

Presenters

### ECOSYSTEM MANAGEMENT ON AND AROUND MINE SITES

08.15 am Registration

08.30am Biodiversity / Biodiversity Offsets

**Kelly Faulkner**  
Native Vegetation Conservation  
Branch

09.15 am Die Back Issues on Reconstructed Landforms

**Mr Joseph Grehan**  
Iluka Resources Limited

09.45 am Declared Rare Flora, Priority Species and Threatened Ecological  
Communities

**Ms Leonie Monks &  
Dr David Coates**  
WA DEC

10.45 am Morning Break

11.10 am Assessing Rehabilitation Success and Failures

**Dr Libby Matiske**  
Matiske Consulting Pty Ltd

12.15 am Lunch Break

01.00 pm Habitat Reconstruction / Fauna Monitoring and Management

**Dr Mike Bamford**  
Bamford Consulting Ecologists

### DEVELOPING AND ASSESSING COMPLETION CRITERIA

01.45 pm Development of Completion Criteria for Different Regions

**Dr Owen Nichols**  
EMRC

02.30 pm Discussion

03.00 pm Afternoon Break

### TOPICAL ISSUES

03.25 pm Dealing with Existing Problems / Legacy Issues on Mine Sites

**Dr Danielle Risbey**  
WA DOIR

04.05 pm Q & A

04.30pm Workshop Conclusion