

# PROGRAM



## Short Course on The Fundamentals of Acid and Metalliferous Drainage

11-12 March 2009  
Brisbane, Queensland

Wednesday 11 March		Presenters
08.30 am	Welcome and Introduction	<b>Mr Bruce Barrie</b> ACMER
<b>ACID AND METALLIFEROUS DRAINAGE – AN OVERVIEW</b>		
08.45 am	Understanding AMD and its Implications for Mine Operations	<b>Dr Alan Robertson</b> RGS Environmental Pty Ltd
09.45 am	Social Licence to Operate and the AMD Management Process	<b>Dr Alan Robertson</b> RGS Environmental Pty Ltd
10.15 am	Morning Break	
10.45 am	Industry Best Practice and Future Directions	<b>Dr Alan Robertson</b> RGS Environmental Pty Ltd
<b>AMD – UNDERSTANDING THE CAUSES</b>		
11.15 am	Understanding the Causes of AMD	<b>Dr Steve Dobos</b> Dobos and Associates Pty Ltd
12.15 pm	Lunch	
01.10 pm	Understanding the Causes of AMD (cont'd)	<b>Dr Steve Dobos</b> Dobos and Associates Pty Ltd
<b>AMD – UNDERSTANDING THE IMPACTS</b>		
01.35 pm	Case Study: Learning from the Past – Mt Morgan Post Closure	<b>Dr Steve Dobos</b> Dobos and Associates Pty Ltd
02.20 pm	Acid Sulfate Soils and AMD – Its Secondary Products	<b>Dr Steve Dobos</b> Dobos and Associates Pty Ltd
03.15 pm	Afternoon Break	
<b>AMD – PLANNING, PREDICTITON AND PREVENTION</b>		
03.40 pm	Characterisation of Materials; Acid Base Accounting and Kinetic Testing	<b>Dr Steve Dobos</b> Dobos and Associates Pty Ltd
04.10 pm	Testing and Sampling for AMD	<b>Dr Steve Dobos</b> Dobos and Associates Pty Ltd
04.40 pm	Risk Assessment and Planning – Exploration to Relinquishment	<b>Mr Marshall Lee</b> Golder Associates Pty Ltd
05.20 pm	Review of Day 1 and Questions	<b>All Presenters</b>
05.35 pm	Network Drinks	<b>Till 6.35pm</b>

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Thursday 12 March		Presenters
08.30 am	Welcome	<b>Mr Bruce Barrie</b> ACMER
<b>AMD – MANAGEMENT</b>		
08.35 am	AMD Issues in Waste Rock Dumps, Tailings and Voids: Options and Principles of Management	<b>Dr Jeff Taylor</b> Earth Systems Pty Ltd
09.30 am	Avoiding the Legacies – Designing Covers for Waste Rock Dumps and Tailings	<b>Dr Steve Dobos</b> Dobos and Associates Pty Ltd <b>Dr Jeff Taylor</b> Earth Systems Pty Ltd
10.30 am	Morning Break	
11.00 am	Short and Long Term Effects of AMD on Revegetation	<b>Emer Prof Clive Bell</b> Consultant
11.35 am	AMD and Underground Mines	<b>Dr Jeff Taylor</b> Earth Systems Pty Ltd
12.05 pm	Case Studies on AMD Management for Site Conditions	<b>Dr Alan Robertson</b> RGS Environmental Pty Ltd <b>Mr Peter Scott</b> HLA ENSR <b>Mr Joel May</b> Xstrata Coal Queensland
12.50 pm	Lunch	
<b>AMD - MONITORING AND TREATMENT</b>		
01.45 pm	Leading Practice Monitoring	<b>Dr Jeff Taylor</b> Earth Systems Pty Ltd
02.15 pm	Practical Monitoring of Surface and Groundwater	<b>Mr David Salmon</b> Golder Associates Pty Ltd
02.45 pm	Active and Passive Treatment	<b>Dr Jeff Taylor</b> Earth Systems Pty Ltd
03.15 pm	Afternoon Break	
03.40 pm	The Role of Regulators - What Regulators Look for on Sites with AMD	<b>Mr Dean Sharpe</b> Queensland EPA
<b>AMD – THE FUTURE</b>		
04.10 pm	Innovations in AMD Management	<b>Prof Dee Bradshaw</b> JKMRC <b>Dr Jeff Taylor</b> Earth Systems Pty Ltd
05.00 pm	GARD Guide and INAP	<b>Emer Prof Clive Bell</b> Consultant
05.25 pm	End of Short Course	