



ENVIRONMENTAL MANAGEMENT WORKSHOP

16-18 MAY 2018

WORKSHOP PROGRAM*



Major Sponsor



Other Sponsors



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*Program is subject to



2018 ENVIRONMENTAL MANAGEMENT WORKSHOP



Registration and Welcome Function – TUESDAY 15 May, 18:00 to 20:00
Curtin University of Technology, Graduates Hall, 50 MacDonald St
**** Sponsored by Native Vegetation Solutions ****

Workshop Day One – WEDNESDAY 16 May
Curtin University of Technology, WMC Conference Centre, 44 MacDonald St
**** Sponsored by St Barbara Limited ****

07:30 | Coffee and Registration

08:00 Welcoming Remarks by GEMG President {Wayne Astill} and Welcome to Country {Trevor Donaldson Snr}

08:10 | Opening Address by the Minister for Environment {Hon. Stephen Dawson MLC}

08:30 Welcoming Speech by Major Sponsor {Stantec}

SESSION 1

08:50 Balance - Mining and Conservation. Brian Moyle, Wildflower Society of WA

09:20 [On Martu Country with Eagles. Simon Cherriman, iNSiGHT Ornithology](#)

09:50 Morning Tea

SESSION 2

10:30 [Landform Rehabilitation Evolution & Benchmarking - The 30 year influence of the GEMG. Harley Lacy, MCMS](#)

11:00 [Large-Scale Cover Trial of Tailings Dam, Heap Leach Facility and PAF Waste Dump at Nifty Copper Operation. Michael Robinson, Nifty Copper](#)

11:30 Achieving Sustainability in the Largest Outback City in Australia. Dylan Martini, CKB

12:00 [Sandy Ridge – Australia's First Dual Revenue Near Surface Geological Repository. Julie Mahony, Tellus Holdings](#)

12:30 Lunch Break - Day Sponsor {St Barbara Limited} Introduction

SESSION 3

13:30 [EIA and the Night Parrot - The Challenge of a Cryptic and Poorly Known Critically Endangered Species.](#)

14:00 [Sandhill Dunnarts and MaxEnt - Are there Outlying Populations in the Goldfields? Joanna Riley, University of Bristol](#)

14:30 [New Acacia Species of the Greenstone Ranges of the North-Eastern Goldfields. Geoff Cockerton, Western Botanical](#)

15:00 Afternoon Tea

SESSION 4

15:30 From WA (Western Australia) to WA (West Africa). Katina Strein, Société des Mines de Fer de Guinée

16:00 [Shedding new Light on WA's Subterranean Fauna and other Western Australian Biodiversity Science Institute's \(WABSI\) initiatives. Dr Lesley Gibson, WABSI](#)

16:30 [The New DWER, The One-Stop Shop and Regulatory Best Practice. Kelly Faulkner & Ed Schuller, DWER](#)

17:00 Close – Information on tonight's Sundowner, GEMG Committee Member

Sundowner Networking Function – WEDNESDAY 16 May, 17:30 to 22:00
Palace Hotel (Hoovers), Cnr Hannan and Maritana St **** Sponsored by Mine Earth ****



2018 ENVIRONMENTAL MANAGEMENT WORKSHOP



Workshop Day Two – THURSDAY 17 May
 Curtin University of Technology, WMC Conference Centre, 44 MacDonald St
 ** Sponsored by Astron **

07:30 | Coffee and Registration

07:50 | [Explanation of Concurrent Sessions, GEMG Committee Member - Day Sponsor {Astron} Introduction](#)

SESSION 1

08:00 | [Bulldozers and Bulldust - Rehabilitation.](#) Jim Williams, Botanica Consulting

08:30 | [Jundee Gold Mine - A Revegetation Project using Pelleted Seed.](#) Abraham van Niekerk, Northern Star Resources and Alan Savage, Nurture Revegetation

09:00 | [From 'Caterpillars' to 'Caterpillars' - The Critical Link.](#) Jo Kiddie, Silverlake Resources

09:30 | [Balancing Act - A Case Study of Current Approaches to Rehabilitation and Monitoring.](#) Jess Li, MBS Environmental

10:00 | Morning Tea

SESSION 2 – WMC CONFERENCE CENTRE

10:30 | [DWERs Approach to Assessment of Mine Dewatering Discharge to Salt Lakes and Clay Pan Environments.](#) Louise Lavery, DWER

11:00 | [Tailings Storage Management - Design, Operating Essentials, Signs of Problems.](#) Chris Lane, Land and Marine Geological Services

11:30 | Changeover

11:40 | [Developments in Surface Water Hydrology Assessments as they Relate to Mine Environmental Approvals and Design.](#) Robin Connolly, Hydrologia

12:10 | [Tailings Dewatering for Risk Reduction - Pitfalls, Possibilities and Application in the WA Goldfields.](#) Sam Kendall, SRK Consulting

12:40 | Lunch

SESSION 2 – SEMINAR ROOM (55a MacDonald St)

10:30 | [Only Human - The Human Side of Environmental Management in the WA Mining Industry.](#) Kathryn Forrest

11:00 | [A Robot Stole My Job - Being an Environmental Practitioner in the Age of Disruptive Technologies.](#) Peter de San Miguel, Stantec Australia

11:30 | Changeover

11:40 | [Do These Numbers Look Right?](#) Clare Ryall, Black Apple and Kelli McCreery, One Tree Botanical

12:10 | [Environmental Management Systems - Creating an Effective Environmental Management Tool.](#) Sophie Monaco & Memory Naucha, Integrate Sustainability

12:40 | Lunch

SESSION 3 – WMC CONFERENCE CENTRE

13:40 | [Rehabilitation Monitoring Using Drones and Remote Sensing - Case Studies Field Validation and Lessons Learned.](#) Sam Atkinson, Astron Environmental

14:10 | Relinquishment - Challenges for the WA Resources Sector and Priorities for Policy Reform. Bronwyn Bell, CME

14:40 | [Developing a Whole of Government Approach to Mine Site Relinquishment in WA.](#) Laura Copeland, DMIRS

15:10 | Afternoon Tea

SESSION 3 – SEMINAR ROOM (55a MacDonald St)

13:40 | [UAVs for the Environment.](#) Craig Smith & Lorinda Hunt, Gold Fields - St Ives

14:10 | [The Closure and Relinquishment Process at Talling Peak Haematite Mine Site.](#) Ben O'Grady, Mount Gibson Iron

14:40 | [Use of Unmanned Aerial Vehicles & Cloud Based Survey Programs to Support Closure Design & Implementation.](#) Elis Smedley, Mine Earth

15:10 | Afternoon Tea

SESSION 4

15:40 | [Tall Tales and True... From over 30 Years of Water Management in the Goldfields - Have we Learnt Anything?](#) Jon Hall, RPS

16:10 | [Water Online - What's Here and What's Coming.](#) Adam Viskovich, DWER

16:40 | [Mining Project Groundwater Risks - A Framework for Managing Groundwater Related Risk During Mining Project Development.](#) Brian Luinstra, SRK Consulting

17:10 | Close – Information on tonight's Dinner Function, GEMG Committee Member

Dinner Function – THURSDAY 17 May, doors open at 18:00
 Goldfields Institute of Technology, Cassidy St ** Sponsored by Chamber of Minerals and Energy **



2018 ENVIRONMENTAL MANAGEMENT WORKSHOP



Workshop Day Three – FRIDAY 18 May

Curtin University of Technology, WMC Conference Centre, 44 MacDonald St

*** Sponsored by Botanica Consulting ***

08:30 | **Coffee and Registration**

08:45 | **General Meeting for Constitution Vote** {WMC Conference Centre}

SESSION 1

09:00 | [Nickel West - Energising our Future and Managing Approvals.](#) Michelle Brooks & Gary Frampton, BHP Nickel West

09:30 | [Lithium Mining in WA - Challenges and Opportunities.](#) Dr Michael North, MBS Environmental

10:00 | [Erosion Modelling and Landform Design.](#) Rory Haymont, Trajectory

10:30 | Morning Tea

SESSION 2

11:00 | [Bushfire Protection and Environmental Management for Mine Sites in Arid and Semi Arid Regions.](#) Daniel Panickar, Ecological Australia

11:30 | [Noise Management made Simple - The Art of Balancing Production and Compliance in Noise Constrained Mining Environments.](#) Granger Bennett, Talis Consultants

12:00 | ["Why are we doing this for 1.5 Cows?" Considerations in Planning for Success for a Pastoral Post-Mining Land Use.](#) Sarah Robinson, Bioscope Environmental

12:30 | Lunch Break - Day Sponsor {Botanica Consulting} Introduction

SESSION 3

13:30 | [Development and Implementation of the St Ives 2016 Mine Closure Plan.](#) Jarrad Donald & Dean Caporn, Gold Fields Australia - St Ives

14:10 | [Building Success - Some Learnings Regarding Building Successful Waste Dumps.](#) Janine Cameron, KCGM

14:50 | Afternoon Tea

SESSION 4

15:20 | [Energy, Environment and Mining; The Role of Renewable Energy in Sustainable Mining.](#) Dr Toby Price and Harley Lacy, Carnegie Clean Energy and Energy Made Clean

15:50 | Q&A - Regulator Whispering, Skeleton Hiding and other Dark Arts. Wayne Astill, Norton Goldfields; Andrew Mack, Talis Consultants and Bronwyn Bell, CME

16:30 | Closing Remarks – GEMG President, Wayne Astill



Thank you to all our Sponsors and to our Members for your continued support and attendance at yet another fantastic GEMG Workshop!

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