

ACG Management, Operation and Relinquishment of Tailings Storage Facilities Seminar

28–29 NOVEMBER 2018 | THE UNIVERSITY CLUB, THE UNIVERSITY OF WESTERN AUSTRALIA, PERTH

REGISTRATION BROCHURE

This two-day ACG seminar will address the issues facing site personnel involved in the day-to-day management of tailings storage facilities (TSF) and the obligation to comply with the relevant operating standards and closure requirements. The seminar will explore the conditions and challenges encountered in day-to-day mining, innovative solutions utilised in different mining operations and environments and will include case studies, specialist presentations and discussion sessions.

Seminar Topics

- A regulator's perspective of closure of tailings storage facilities
- The Mining Rehabilitation Fund
- Tailings management – avoiding potential liabilities
- Roles and responsibilities of the Engineer of Record
- Preparation of an effective operation, maintenance and surveillance manual
- Stability considerations of soft cover tailings
- In-pit disposal
- Cost comparisons of tailings management options
- Interpretation of in situ testing in tailings
- Operational challenges in dry stack tailings storage
- Design for earthquakes - ANCOLD guidelines
- Dam break analysis
- Static liquefaction
- Management of the acid mine drainage threat
- Water management – Merriespruit case study
- Stakeholder engagement in Alcoa of Australia's long-term residue planning
- Upstream raising tailings storage facilities
- Case study - ins and outs of HDPE lined TSFs



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SEE INSIDE FOR SEMINAR PROGRAMME

Who Should Attend

The seminar is directed at personnel with responsibilities in mine planning and design and in developing feasibility studies for mine completion and decommissioning; indeed to all mine managers, superintendents and operators, as well as consultants involved in the management of TSFs.

There will be ample opportunity for discussion and questions from the participants.



Facilitator:

Professor Andy Fourie
School of Civil, Environmental and Mining Engineering
The University of Western Australia

Andy is a Professor in the School of Civil, Environmental and Mining Engineering at The University of Western Australia. He has Bachelors and Masters degrees from the University of the Witwatersrand in South Africa, and a PhD from Imperial College, University of London.

His research is in the field of mitigating the impact of mining and municipal solid waste disposal. Outcomes from his research have been incorporated in changes to environmental legislation in South Africa.

Professor Fourie contributed to a series of guidelines for managing mine tailings in Australia, as well as developing a document for the International Atomic Energy Association on barrier systems for retaining uranium mining waste.

Take advantage of discounted registrations with earlybird rates expiring 19 October 2018!

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DAY ONE PROGRAMME* 28 NOVEMBER 2018	
07:45	REGISTRATION
08:15	Welcome and introduction <i>Andy Fourie, The University of Western Australia</i>
08:30	Closure of tailings storage facilities from a regulator's perspective <i>Department of Mines, Industry Regulation and Safety</i>
09:15	The Mining Rehabilitation Fund (MRF) – an update <i>Department of Mines, Industry Regulation and Safety</i>
10:00	MORNING BREAK
10:30	Tailings management – avoiding potential liabilities <i>Mark Etherington, Clayton Utz</i>
11:15	Roles and responsibilities of the Engineer of Record <i>Johan Boshoff, Golder Associates Pty Ltd</i>
12:00	How to prepare an effective OMS manual <i>David Brett, GHD Pty Ltd</i>
12:45	LUNCH
13:45	Placing a cover over soft tailings – stability considerations <i>Andy Fourie, The University of Western Australia</i>
14:30	In-pit disposal <i>Chris Lane, L&MG SPL</i>
15:15	AFTERNOON BREAK
15:30	An integrated approach to cost comparisons of different tailings management options <i>Aida Carneiro, The University of Western Australia</i>
16:15	Interpretation of in situ testing in tailings <i>David Reid, The University of Western Australia</i>
17:00	CLOSE DAY ONE

DAY TWO PROGRAMME* 29 NOVEMBER 2018	
08:00	Dry stack tailings storage facility – overcoming operational challenges <i>David Leaney, BIS Industries</i>
08:45	Developments in design for earthquakes – ANCOLD guidelines and new earthquake guideline <i>David Brett, GHD Pty Ltd</i>
09:30	Dam break analysis <i>Behnam Pirouz, ATC Williams</i>
10:15	MORNING BREAK
10:30	Static liquefaction – an update <i>Andy Fourie, The University of Western Australia</i>
11:15	Planning for management of the acid mine drainage threat <i>Ron Watkins, Environmental Geochemistry Services</i>
12:00	Water management – Merriespruit case study <i>Gordon McPhail, Water, Waste and Land Australia</i>
12:45	LUNCH
13:45	Stakeholder engagement in Alcoa's long-term residue management planning <i>Anika Wall, Alcoa of Australia</i>
14:15	Upstream raising TSFs: the good, the bad and the ugly <i>Pepe Moreno, SRK Consulting (Australasia) Pty Ltd</i>
14:45	AFTERNOON BREAK
15:15	Case study – some ins and outs of HDPE lined tailings storage facilities <i>Gareth Swarbrick, Pells Sullivan Meynink</i>
16:00	Panel discussion <i>All presenters</i>
16:30	SEMINAR CLOSE - DRINKS AND SAVOURIES

EVENT VENUE

The event venue is The University Club, situated at The University of Western Australia, a 10 minute drive from Perth's CBD.

The University Club, The University of Western Australia

Entrance No. 1, Hackett Drive, Crawley, Perth

Ph: +61 8 6488 8770

Email: info@universityclub.uwa.edu.au

ACCOMMODATION

The following accommodation is close to UWA. For alternative accommodation visit acg.uwa.edu.au/about-events-and-courses.

Forrest Hall

1 Hackett Drive, Crawley | www.forrestresearch.org.au/forrest-hall/ (list the Australian Centre for Geomechanics as the department you are visiting, and UWA as the institution you were invited by)

Ph: +61 8 9488 0500 | Email: shortstay@uwa.edu.au

Medina Apartment Hotel

33 Mounts Bay Road, Perth | www.medina.com.au/medina-grand-perth/hotel

Ph: +61 8 9217 8000 | Email: mgpc@medina.com.au

Rendezvous Studio Hotel Perth Central

24 Mount Street, Perth | www.rendezvoushotels.com/perthcentral

Ph: +61 8 9481 0866 | Email: reservations.perth@rendezvoushotels.com

Sullivans Hotel Perth

166 Mounts Bay Road, Perth | www.sullivans.com.au

Ph: +61 8 9321 8022 | Email: perth@sullivans.com.au

* Programme may be subject to change. Please see www.acg.uwa.edu.au/events/ for updates.

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REGISTRATION FORM

CONTACT DETAILS

Please print. *denotes mandatory fields.

*Title (Mr, Mrs, Miss, Ms, Dr, Prof., other) _____

*Family Name _____

*First Name _____

Preferred Name _____

*Position _____

*Organisation _____

Mine/Dept _____

*Address _____

Phone _____

Mobile _____

*Email _____

*All confirmations/event updates will be sent via email.

Registrants contact details are intended to be published in the events authorised attendee list made available to event attendees, who may contact you, including electronically.

- I give permission for my details to be included in the event attendee list.
- I give permission for the ACG to send me ACG research, training and/or education information advice, including electronic communications.
- I require an invitation letter for visa purposes (please forward a copy of your passport information page). For more information regarding Australian visas, please visit acg.uwa.edu.au/about-events-and-courses/

DELEGATE CANCELLATIONS

Up to 8 days before event commencement: an administration fee of AUD 150 will be charged. 7 or less days before: no refund. Non-attendance: no refund. Substitutions will be accepted at any time. The ACG reserves the right to cancel the short courses if insufficient registrations are received.

- † Please visit www.acg.uwa.edu.au/corp_affiliates to view the list of ACG Corporate Affiliates.
- ^ Students are required to provide proof of full-time enrolment at time of registration.

Management, Operation and Relinquishment of Tailings Storage Facilities Seminar (1850) | 28-29 November 2018

	Earlybird Paid before 19 Oct 2018	Standard Paid after 19 Oct 2018
Standard	<input type="checkbox"/> 1,980	<input type="checkbox"/> 2,200
ACG Affiliate†	<input type="checkbox"/> 1,760	<input type="checkbox"/> 1,980
Student^	<input type="checkbox"/> 660	<input type="checkbox"/> 990



Tailings - From Concept to Closure Training DVD

This DVD and other tailings educational publications can be purchased at acg.uwa.edu.au/shop

Delegate Terms and Conditions are available at acg.uwa.edu.au/disclaimer

PAYMENT

Total payment AUD _____

Payment to be received by 23 November 2018. All bank fees are the responsibility of the registrant.

ABN 37 882 817 280

All prices include Australian GST

PAYMENT OPTIONS

- Electronic Funds Transfer (EFT)**
Please return this completed form to info-acg@uwa.edu.au and the ACG will send you an invoice with EFT details included.
PO# (if required) _____
- Credit Card**
Please return this completed form to info-acg@uwa.edu.au and phone us on +61 8 6488 3300 to make payment (Visa and Mastercard are the only cards we accept).