



## Queensland Tailings Group Master Class: Credible Failure Modes



**Andy** is based in Eastern Canada and works with Klohn Crippen Berger. He is a geotechnical engineer with over 35 years of experience in tailings facility engineering and safety assessments. He has been very active with the Canadian Dam Association (CDA) and ICOLD and has been involved with or led the development of several guidance documents related to tailings facility safety. He has also conducted numerous workshops and short courses related to tailings. In 2025, Andy was awarded the Inge Anderson Award of Merit by the CDA for his significant contributions to the advancement of knowledge and practices related to dams and will be bringing some of that experience to Perth and Brisbane. He has had the opportunity to work with KCB and ICOLD colleagues in Australia and has some familiarity with tailings facilities in Australia.

**Andy Small**  
*Senior Geotechnical Engineer*  
*Klohn Crippen Berger*

**Credible Failure Modes:** A practical session clarifying credible failure modes for tailings facilities, including definitions, interpretation challenges, links to consequence classification and emergency planning, and hands-on case studies to support consistent application.

*Thursday, 26 March*  
 *08:30 am to 4:00 pm*  
 **Westin Brisbane, 111 Mary St, Brisbane City QLD 4000**  
 **[Register Here – \\$400pp](#)**

**Co-Presenters**

- *Scott Gover – WSP*
- *Malcom Barker – GHD*

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**Special thanks to KCB, the Major Sponsor of the Event.**



# Queensland Tailings Group Technical Presentation: Tailings 2030



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**Andy Small**  
Senior Geotechnical  
Engineer  
Klohn Crippen Berger

**Tailings 2030:** An update on the Tailings 2030 vision, highlighting recent global advances in tailings engineering, including competency development, technology, closure, surveillance, site characterization, and evolving design approaches.

**Thursday, 26 March**  
 **05:30 pm to 8:00 pm**  
 **Westin Brisbane, 111 Mary St, Brisbane City QLD 4000**

[Register Here](#)

[Link to Join](#)

**An Engaging Hybrid Technical Presentation and Networking Event**  
**Join the Conversation Don't Miss Out!**

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## Queensland Tailings Group Technical Forum: Passive Closure Guidance



**Andy** is based in Eastern Canada and works with Klohn Crippen Berger. He is a geotechnical engineer with over 35 years of experience in tailings facility engineering and safety assessments. He has been very active with the Canadian Dam Association (CDA) and ICOLD and has been involved with or led the development of several guidance documents related to tailings facility safety. He has also conducted numerous workshops and short courses related to tailings. In 2025, Andy was awarded the Inge Anderson Award of Merit by the CDA for his significant contributions to the advancement of knowledge and practices related to dams and will be bringing some of that experience to Perth and Brisbane. He has had the opportunity to work with KCB and ICOLD colleagues in Australia and has some familiarity with tailings facilities in Australia.

**Andy Small**  
Senior Geotechnical  
Engineer  
Klohn Crippen Berger

**Passive Closure Guidance:** An update on CDA's work developing criteria for passive closure of tailings storage facilities, including proposed terminology changes, links to credible failure modes, and case studies illustrating where passive closure criteria can and cannot be achieved.

Friday, 27 March  
 08:30 am to 1:00 pm  
 **Westin Brisbane, 111 Mary St, Brisbane City QLD 4000**  
 [Register Here \\$300pp](#)

**Co-Presenters**

- David Brett – GHD
- Fernanda Kemeid – Rio Tinto

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