

Queensland Tailings Group

BGC Engineering Presents



1. Importance of Sample Height-diameter Ratio in Triaxial Testing for the Critical State of Sands

2. State Parameter Estimation of Micro-laminated Glaciolacustrine Deposits

Dr Simon Dickinson

*Principal Geotechnical Engineer and BGC's
Chief Technical Officer (CTO)*

Simon Dickinson, Ph.D., P.Eng. (BC, ON, NB, NL), is a Principal Geotechnical Engineer and BGC's Chief Technical Officer (CTO). He specializes in soil mechanics and has over 23 years of collective experience working on geotechnical projects internationally. He is a member of several independent tailings review boards (ITRB) for a range of projects within Canada and in Europe. His expertise includes the assessment of static and seismic liquefaction potential using both theoretical (critical state soil mechanics) and empirical methods. He has experience with geotechnical characterization of tailings, weak soils and rocks including glaciolacustrine and marine silts and clays, residual soils (saprolite) and Caliche, and pre-sheared mudstone and clay shales. Dr. Dickinson has been the engineer of record (EOR) and led the design and construction of tailings facilities and water retaining structures and has been responsible for the development and direction of BGC's geotechnical laboratory.

Date: 13 June 2024

Time: 5:30 – 7:30 pm

Venue: Treasury Casino and Hotel Brisbane

Register [Here](#)



BGC Engineering is an international consulting firm that provides professional services in applied earth sciences. Our practice was established in 1990, based on a specialized appreciation of the impacts of geology on engineered structures. This appreciation continues to serve as our foundation today as we work to address a broad range of engineering and environmental issues related to challenging terrain and ground conditions. Over 800 professional engineers, geoscientists, technicians, and support staff provide a full range of investigation, design, and construction review services in the applied earth sciences. We currently operate from more than 17 offices across North and South America, Australia, and the Caribbean. BGC's projects range from pre-feasibility-level studies and routing evaluations to detailed design, construction inspection, and independent third-party review. We also provide services supporting and coordinating environmental impact studies, permitting, and financial agency review.

**Event's
Major
Sponsor**



5:30 – 6:00 pm	Welcome Drinks and Networking
6:00 – 7:00 pm	Simon's Presentations
7:00 – 7:30 pm	Q&A, Drinks and Networking

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