

NEXT GENERATION TAILINGS – OPPORTUNITY OR RISK?

24-25 OCTOBER 2023 CONFERENCE
26 OCTOBER 2023 TECHNICAL VISIT
Emperors Palace, Johannesburg

ECSA and SACNASP Accredited

Supported by SAIEG

In partnership with MMMA and SAICE



The SAIMM is proud to announce its 3rd conference around the topic of Tailings. Since the inaugural conference, which raised the profile of tailings and encouraged collaboration between the various role players in the tailings industry, and the 2nd conference, which focused on embracing the Global Industry Standard on Tailings Management (GISTM), there has been much progress. Progress in terms of a better understanding of the requirements and implications of the GISTM, progress in terms of improved geotechnical understanding of how tailings dams work, progress in terms of involving stakeholders and progress in terms of working towards improved safety performance through compliance with the GISTM.

There have unfortunately also been further tailings dam failures, which suggests that there is still work to be done and lessons to be learnt.

This conference focuses on the future of tailings for the next generation. In a future of new standards, expectations and possibilities - what opportunities exist? And on the flip side, what are the residual risks? How can tailings be reduced, reclaimed or reused? How can existing technologies be improved, and new technologies become the new normal. What impacts, once considered acceptable, are no longer accepted, and how do we best address these?

Join us in exploring these exciting topics in a forum with participation with all the key role players in the tailings industry.



SAIMM
THE SOUTHERN AFRICAN INSTITUTE
OF MINING AND METALLURGY

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TOPICS TO BE COVERED

- ICMM document: tailings reduction roadmap 2022
- Sustainability
- ESG
- Future of Tails
- Closures
- Rehabilitation
- Risks associated with upstream dams and mitigation
- New Technologies
- Impact on Communities
- Implementation of the GISTM and compliance
- Deep dive into tailingsdam failures and learning
- SANS10286 update
- Ownerless tailings (legal perspective)
- Legislation and tailings compliance (Junior Miners)

OTHER TOPICS INCLUDE:

- The reasons for failures and important learnings
- Risk management and processes for TSFs
- The role of the regulatory authority - SANS 10286
- The view of industry
- Stakeholder engagement and affected communities
- An integrated knowledge base created through case studies and learnings
- Design, construction and operation of TSFs
- Monitoring of TSFs in real-time : internal, external and satellite imagery

- Management, governance and reporting of TSFs
- Emergency response and long term recovery
- Public disclosure and access to information
- Environmental impacts
- Modelling and simulation
- Research and the possibility of mining with no tailings
- Remining of Remining of legacy TSFs
- Case studies.

WHO SHOULD ATTEND

- Industry professionals
- Academics and researchers
- Environmental Scientists
- Hydrologists
- Mineral Processing Engineers
- Civil Engineers
- Metallurgists
- Mine Management
- Stakeholders
- Community leaders
- State officials
- Union officials
- Consultants
- Technology developers and suppliers.

Call for Papers

Papers or presentations are invited on any topic related to the conference.

Prospective authors are invited to submit titles and abstracts of their papers in English. The abstracts should be no longer than 500 words and should be submitted to:

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KEYDATES

Abstract submission 15 May 2023

Abstract Acceptance 5 June 2023

Paper submission 3 July 2023