

TAILINGS 2026 – WHERE TO NOW?

MARCH 2026 CONFERENCE

3-4 MARCH 2026 – CONFERENCE | 5 MARCH 2026 – TECHNICAL VISIT
Indaba Hotel, Spa and Conference Centre, Fourways

ECSA and SACNASP Validated CPD
ActivityCredits = 0.1 per hour attended

Supported by SAIEG In partnership with MMMA and SAICE



PRELIMINARY PROGRAMME

Conference Day 1 – Tuesday, 3 March 2026

- 07:30-08:30 **Registration Opens & Early Morning Refreshments**
- 08:30-08:35 **Welcome and Opening Address**
L. Spies, *Conference Chairperson, SRK South Africa*
- 08:35-08:40 **Safety Briefing**
Venue official
- 08:40-8:55 **SAIMM Presidential Address**
G.R. Lane, *Vuuma, South Africa*
- 08:55-09:35 **Keynote Address: The Gold Fields tailings journey towards GISTM conformance - can we sustain the momentum?**
J. Boshoff, *Goldfields, South Africa*

Session 1 – General Management, Governance, Risk

Session Chair: L. Spies, *SRK, South Africa*

- 09:35-09:55 **Collaborative Accountability: Empowering Roles in TSF Governance and Risk Management**
M. Brink, C.R Mtshali, G.C. Howell, *SRK Consulting, South Africa*
- 09:55-10:05 **Sponsor Presentation 1**
Fraser Alexander
- 10:05-10:15 **Sponsor Presentation 2**
Eco Elementum Investments (Pty) Ltd
- 10:15-10:35 **Mid-morning Refreshments**
- 10:35-10:55 **The challenge of GISTM adherence for smaller mining operations in remote parts of the world and the case for a GISTM-Light process**
G.V. Price, *KCB Australia, Australia*
- 10:55-11:15 **Towards the development of geotechnical engineers as TSF engineers of record**
H. Kirsten¹, L.H. Kirsten², D. Johns³, *KCB Australia, Australia*

PARALLEL SESSION

Session 2 – Geotechnical

Session Chair: G. Howell, *SRK, South Africa*

- 11:15-11:35 **Undrained shear behaviour and constitutive response of remoulded gold tailings under varied confining pressures**
B. Alaro, Y. Narainsamy, *University of Pretoria, South Africa*
- 11:35-11:55 **Classification of tailings by clay minerals and pore water chemistry as a basis for safe tailings disposal**
A. Vietti, N.C. Steenkamp, *Vietti SlurryTec, South Africa*
- 11:55-12:15 **Characterisation of the reworked residual norite in the Rustenburg Region**
E. Zannoni, T. Grobler, G. Heyman, *Knight Piesold, South Africa*
- 12:15-12:35 **Reliable design with limited data: Characteristic strength selection for slope stability assessment**
H. Brandao, *Klohn Crippen Berger, Australia*
- 12:35-12:55 **Clay soil a history of theoretical approaches to strength and the way forward**
A. Smith, *Stellenbosch University, South Africa*
- 12:55-13:55 **Lunch**

Session 3– Metallurgical/Water

Session Chair: K. Morton, *KLM Consulting Services, South Africa*

- 11:15-11:35 **Geochemical characterisation of re-mined copper tailings in Democratic Republic of Congo (DRC) Best practices that can be adopted in South Africa?**
M.G. Dube, *WSP Africa, South Africa*
- 11:35-11:55 **New method for tailings valorisation**
S.W. Robertson, *Mintek, South Africa*
- 11:55-12:15 **Re-valorisation of Mineral-Sand tailings for critical minerals recovery: A Circular Economy framework for next generation tailings management**
T. Naseri, *Monash University, Australia*
- 12:15-12:35 **TSF-specific water balance as a standard practice**
A. Scholtz, K. Uderstadt, G. Howell, *SAICE, SRK Consulting, South Africa*
- 12:55-13:55 **Lunch**

TAILINGS 2026 – WHERE TO NOW?

MARCH 2026 CONFERENCE

3-4 MARCH 2026 – CONFERENCE | 5 MARCH 2026 – TECHNICAL VISIT
Indaba Hotel, Spa and Conference Centre, Fourways

ECSA and SACNASP Validated CPD
ActivityCredits = 0.1 per hour attended



Supported by SAIEG In partnership with MMMA and SAICE



PRELIMINARY PROGRAMME



Session 4–

Session Chair: E. Kleinhans, Harmony, South Africa

13:55-14:35 **Keynote Address: Jagersfontein TSF failure**
S.W. Jacobz, University of Pretoria, South Africa

14:35-14:45 **Sponsor Presentation 3**
Kaytech

14:45-14:55 **Sponsor Presentation 4**
Knight Piesold

14:55-15:15 **Afternoon Refreshments**

Session 5 – New technologies/ Design, construction, operation

Session Chair: L. de Koning, Fraser Alexander

15:15-15:35 **Adapting to change: Filtered tailings and the future of tailings management**
K. Naidoo, V. Balakistan, WSP Africa, South Africa

15:35-15:55 **Improving tailings dewatering with ATA® for paddocked buttress formation: A pilot study**
J. van der Linde, E. Brooks, C. Spagnuolo, A.J. Fischmann, J. Raath, Clean TeQ Water, Australia

15:55-16:15 **Assessment of causeway-induced loading on penstock towers in Tailings Storage Facilities**
S.C.T. Luis, T. Armstrong, SRK Consulting, South Africa

16:15-16:35 **Evaluating mine tailings reuse potential through geotextile dewatering**
N. Budhai, Maccaferri, South Africa

16:35 **End of Day 1**

16:35-19:00 **Social Function**

Conference Day 2 –Wednesday, 4 March 2026

07:30-08:30 **Registration Opens & Early Morning Refreshments**

08:30-08:35 **Welcome and Opening Address**
L. Spies, Conference Chairperson, SRK South Africa

08:35-08:45 **Safety Briefing**
Venue official

08:45-08:55 **Update on SANS standard**
A. Copeland, South Africa

Session 6 – Geotechnical/ Closure

Session Chair: G. Howell, SRK, South Africa

08:55-09:35 **Keynote Address: GTMI: the way forward**
J. Hex, GTMI, South Africa

09:35-09:55 **Assessment and mitigation of slope stability risks for TSF closure**
P. Sharma, M. Govender, WSP India

09:55-10:15 **State-Dependent undrained strength envelopes for gold tailings from NorSand simulations**
J. Swanepoel, Knight Piesold, South Africa

10:15-10:35 **Cross-calibrated in-situ shear strength of gold tailings from CPT, Vane Shear and NorSand Modeling**
J. Swanepoel, Knight Piesold, South Africa

10:35-10:45 **Mid-morning Refreshments**

10:45-10:55 **Sponsor Presentation 5**
Metso South Africa (Pty) Ltd

10:55-11:05 **Sponsor Presentation 6**

Enprotec

11:05-11:45 **Keynote Address: Conformance with the GISTM and an update on mining standards**
E. Gagen, ICMM, Australia (Online)

11:45-12:05 **Undrained shear strength selection in a critical state framework**
L.H. Kirsten¹, H.A. Brandão¹, F.D. Walsh¹, L. Murray¹, T. Jibiki², Klohn Crippen Berger, Brisbane, ²Rio Tinto, Australia

12:05-13:05 **Lunch**

13:05-13:15 **Sponsor Presentation 7**
Hatch Africa (PTY) Ltd

13:15-13:25 **Sponsor Presentation 8**
KCB Australia (Pty) Ltd

13:25-13:35 **Sponsor Presentation 9**
Transvaal Rubber Company (Pty) Ltd

Session 7 – Monitoring (continued)

Session Chair: S. Maharaj, Implats, South Africa

13:35-13:55 **A new tool for Tailings Storage Facility management: Insights from archived satellite imagery**
V. Nell, B. Forrest, PhotoSat, South Africa

13:55-14:15 **Seeing the unseen improved InSAR surface displacement monitoring with MDA CHORUS**
J. Baek, D. Hickson, P. Oliver, R. Morin, R. Podmore, Leica Geosystems Pty Ltd (South Africa), Canada

14:15-14:35 **Catoca diamond mine – implementation of an advanced monitoring network for a Tailings Storage Facility (TSF)**
A. Hertenberger³, E.L. Carlos Lukombo², K.L. Morton¹, M. Msitsini¹, T.M. Namane¹, ¹KLM Consulting Services Pty Ltd, ²Catoca Mining Society, ³Tecwise Africa

14:35-14:55 **Optimizing acid sulfation for lithium extraction from spodumene**
C.R.S. Brigido, L. da C Bastos, J.M.S.R. dos Santos, P.F.A. Braga, Center for Mineral Technology – CETEM, Brazil

Session 8 – Monitoring

Session Chair: A. Bovim, Insight Terra, South Africa

14:55-15:15 **Application of remote sensing techniques in mapping abandoned Tailings Storage Facilities in Gauteng South Africa**
M. Mpanza¹, L. Nqasha², ¹University of Johannesburg, ²University of the Witwatersrand, South Africa

15:15-15:35 **Combining real-time and scheduled monitoring of upstream raised TSFs and a filter stack – why both are required**
D. Johns, J. Olivier, KCB Australia, Australia

15:35-15:55 **Installation of an advanced monitoring network for a Tailings Storage Facility**
A. Hertenberger¹, E.C. Lukombo², K.L. Morton³, M. Msitsini³, T.M. Namane³, ¹Tecwise Africa, South Africa, ²Catoca Mining Society, Angola, ³KLM Consulting Services Pty Ltd, South Africa

15:55 **End of Day 2 and conference close**