



PRESENTATIONS WITH FIRST AUTHORS LISTED– (TENTATIVE)

Site Design and Operation

Learnings from Real-time Pore Pressure Monitoring at a Platinum Tailings Facility – by L. Boshoff

System Dynamics Approach to Tailings Management Simulation – by T. Zheng

Changes to Tailings Dam Regulation in Brazil in the Aftermath of Failures – by K. Morrison

The Use of 3D Models and Analysis in Support of Waste Stockpile Design and Operations –
by L. Piciacchia

Mine Waste Rock Design, Construction, and Operation as Engineered Structures – by L. Piciacchia

Alternative Approaches to Management and Closure of Tailings Storage Facilities – by D.J. Williams

Dynamic deformation analysis for the Candelaria Rockfill Dam: Constitutive model matters –
by M. Kafash

Design Considerations for the Distribution of High Density Thickened Tailings – by J. Stowe

Lime as an Additive for Oil Sands Ore-Water Slurry Based Bitumen Extraction, Tailings Disposal and Fluid
Fine Tailings Dewatering Processes – by S. Arnipally

Selecting the Optimum Solids Concentration for Transport in an Iron Ore Mine – by J. Laine Cuervo

Guidance for the Safe and Optimized Operation of Waste Rock Facilities – by J.S. Vides

Leading Versus Lagging Indicators of Tailings Dam Integrity – by J. Boswell

Benefits of Rotational, Thin Layer, Air Dried Tailing Deposition after 25-Years of Operation of the Juniper
Tailing Storage Facility – by A. Gipson

Assessment of leach ore dry unit weight and hydraulic performance – by P. Duryea

Geotechnical Considerations

Scale-effect Considerations for Shear Strength Assessment of Coal Mine Spoil – L. Bradfield

Assessing Oil Sands Tailings Consolidation Parameters Relative to Long-term Reclamation –
by H. Rourke

Fine Coal Refuse – 25 Years of Field and Laboratory Testing Data and Correlations – by B. Genes

Three Dimensional FEM seepage analysis of a coal refuse pile – by L. Santos

Improved Methodology for TSF Capacity Prediction – by G. Gjerapic
Unsaturated Behavior of Suncor Coke, Suncor Sand and Mature Fine Tailings – by E. Abazari
Vacuum Consolidation of Mature Fine Tailings – by E. Abazari
Toward the Sensible use of Tailings Filtering Technology – by B. Ulrich
Review of Alternative Tailings Disposal Methods for Water Management – by C. Strachan
Filter pressed dry-stacking - alternative tailings management approaches – by C. Crystal
Static Liquefaction of Tailings: A South African Perspective on Rate of Rise – by W. Kruger
Essential Issues for Testing and Modeling of Tailings Exhibiting Creep – by D. Peric
Practical Nomograms for Waste Rock Piles Design on Competent Foundations – by L. Piciacchia
Geotechnical Considerations to Reduce Adverse Impacts of Mine Waste Rock Dumps on the
Environment - by R. Kaunda
Dynamic properties and liquefaction assessment using cyclic triaxial testing and numerical modelling
By J.I. Riquelme
The Shear strength of Filtered Tailings and Waste Rock Blends – by R. Burden
Investigating the Effect of Pre-shear Prior to Flocculation – by C.T. Lopez and M. Catling
Desiccation of Tailings in an Instrumented Column under Laboratory and Atmospheric Conditions
by D.J. Williams
Characterization of Ancient Mine Wastes: An Approach for Environmental Management and Metals
Recovery – M.L. Dinis
Compression Behavior of Filtered Tailings and Waste Rock Mixtures – by M. Gorakhki
Undrained Shear Strength Evolution with Loading on an Undisturbed Block Sample of Desiccated Gold
Tailings by – D. Reid

Geochemistry

Pile Scale Models for Acid Rock Drainage Prediction and their Application – by L. Ma
Solidification of Acid Mine Drainage by Sodium Silicate – by B. Koohestani
Impact of Calcium Hydroxide on the Equipment and Process of Oil Sands Tailings Treatment – by K. Rahal
Bench-Scale Nitrate and Sulphate Biochemical Reactor Case Study, Amulsar Mine, Armenia – by J. Gusek
Passive Arsenic and Manganese Removal in Neutral Mining Influenced Water – by T. Wildeman
Minimization, Treatment, and Monitoring of Acid Waters Generated in the Prometida Mine Waste
Dump – by C. del Castillo Maceo
Mitigation and Treatment Options for Selenium Control in Mine-site Runoff – by D. Jackson
Geotechnical Properties of Acidic Mine Water Treatment Solids: Methods and Results - by N. Brink
Understanding mineralogical composition, weathering, and alteration to manage ML/ARD in a
conventional tailings storage facility – by J. Durocher

Geosynthetics and Liners

Guidance for the Safe and Optimized Operation of Waste Rock facilities – by M. Briers
Lessons Learned on the Performance of Multi-Linear Drainage Geocomposites for Mining Applications –
By P. Saunier
Geotextile Dewatering of Acid Mine Drainage Precipitates – by K. Westhaver
Hydraulic and mechanical behavior of a high-peel strength geosynthetic clay liner – by S. Ghazizadeh
Vertical Expansion of a 41-m High Geosynthetic Reinforced Soil Slope – by F. Herrera

Imaging and Spatial Analysis

High resolution estimates of tailings facility evaporation and area using landsat imagery – J. Keller
Satellite-based Repeat Surveying of Tailings: A Cost-effective Alternative to Aerial Surveying –
by G. Mitchell

Mill Tailings Design

Design of a Centerline Method Tailings Dam using Mine Waste Rockfill in Perú – P. Ridlen
Direct Extraction Lithium Processes: The Challenges of Spent Brine Disposal – I. Ezama

Reclamation & Remediation

Evaluation of Physical Parameters in Environmental Desulfurization by Flotation for Production of
Reclamation Cover-suitable Desulfurized Tailings – by J. Guimond-Rousson
Monitoring a Cover Performance Test Section on a Uranium Mill Tailings Management Cell – by M. Davis
Thermal Cover Design for Mine Waste Facilities in Cold Regions – by C. Stevens
Synergy between the Closing and Operation in the Orcopampa Mining Unit - by A.B. Fernandez
Remediation Design of a Uranium Mill Tailings Pond – by Y. Koitzsch
Repurposing Mine Sites – A Win for Owners, Colorado, and the Environment – by R.L. Almon
Assessment of CCBE Performance with Climate Change: Case Study of the Lorraine Mine Site –
by G. Hotton
Effectiveness of Oxygen Barriers under Climate Change: Definition of a Drought Index – by E. Bresson
Soil Health & Biotic Soils via 5 Fundamentals for Sustainable and Cost Effective Mine Rehabilitation –
by M. Robeson
Closure of Abandoned and Derelict Asbestos Mines: Design, Construction and Monitoring – by R. Mayne
Compensation of Bofedales in the U.M. Tambomayo – by W. Garzon Perez
Mine Waste Remediation as a Stepping Stone for New Contractors in Emerging Economies –
by X. Adams

Regulations

Update on tailings dam safety and regulation in the United States – by C. Cobb

Risk Informed Design

Tailings 2.0: a two pronged approach to deliver value and comply with societal demands in the XXI
Century – F. Oboni
Risk informed design: Design and operation of a large scale, lined tailings storage facility – L. Boshoff
Tailings facility performance: 2017 & 2018 – C. Strachan
Risk management by tailings storage facility dam classification – C. Johns
Assessment of design and operating practices on the risks associated with waste rock stockpiles
By B. Lavoie

Site Characterization and Monitoring

Comparing CPT and Vs Liquefaction Triggering Methods for Mine Tailings – M. Reza

Time domain reflectometry measurement of soil water content and electrical conductivity of oil sand tailings, Suncor sand and Suncor coke – by E. Abazari

Magnetometric resistivity as an effective tool for leakage detection and monitoring – by A. Revil

EGT- Innovatrice fine granular material sampling technique – by J-F St.-Laurent

Geotechnical and structural monitoring system deployment for the spillway of a dam at Padcal mine in the Philippines – by V. Le Borgne

A geotechnical monitoring system to support implementation of the observational method at Teck Highland Valley Copper – by G. Afriyie

Minera Pensaquito Tailings Storage Facility - Case study on the importance of site characterization and monitoring in adaptive management for design, construction and operations – by M. Malgesini

Non-invasive geophysics for active mining sites – by S. Calendine

Water Management

Optimization of the management of water resources in the Orcompampa mine – J. Gabriel

A novel management method to control water infiltration and prevent water contamination from waste rock piles: case of the Lac Tio mine – B. Plante

How plant water use efficiency can inform evapo-transpirative cover design – J. Dillon

Impact of water use policy and changes in legislation on mine waste water management infrastructure – A case study of in-line attenuation ponds – P.J. van Rensburg

Integrating tailings deposition and water balance modeling for TSF water management – K. Patterson

Optimizing tailings disposal and water management strategies for a gold mine in northern Ontario, Canada – R. Couto

Mine tailings drainage: A bottoms up approach using HDD well installation methods – J. Gallagher

Operational improvements through installation of seepage cutoff wall using soil mixing – I. Contreras

Numerical modelling of groundwater remediation options for an Fe/As/Co plume of tailings-affected Water – V. Mann