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TNA- Tailings News Alerts

Up-to-date News and Information on Tailings Dams and Engineered TSFs

NEWSMAKERS: * Acid Mine Drainage * AECOM * AMD * Aquenox Ltd * Andritz * Eldorado * ExcelPlas * Fluor * Geotube® * Golder Associates * Groundprobe * Minidredgers * Mt. Lyell * Newmont * Polymetal * Riskope * RGR-Velox™ * SLR Consulting * TenCate * TNA * TSF * Vale

INDUSTRY NEWS

Australian Company Develops Innovative Metals Recovery and Water Treatment Solutions for Tailings Dams and Mines

The graphite electrode process can treat tailings and water affected by acid mine drainage (AMD)

"An efficient treatment of process/tailings water to recover valuable metals and allow reuse"

<https://cloud.excelplas.com/s/X0umB4yITwKoNQ#pdfviewer>

Vale Starts 'Decharacterisation' Remediation of Tailings Dams

<https://www.miningmagazine.com/geomechanics-ground-control/news/1413244/vale-starts>

Brazil's Vale Uses Unmanned Vehicles for Tailings Removal

<https://www.bnamerica.com/en/news/brazils-vale-uses-unmanned-vehicles-for-tailings-removal>

Programmable Unmanned Equipment for Removal Of Tailings (Australian Design and Built)

<https://cloud.excelplas.com/s/6LxtCDVhpLnQEhM#pdfviewer>

Australian Company Develops Mt Lyell Acid Mine Drainage Remediation Solution

<https://cloud.excelplas.com/s/X0umB4yITwKoNQ#pdfviewer>

Geotube® Directs Fly Ash Slurry Flow Over Mine Tailings in a TSF Slated for Closure

<https://www.tencategeo.asia/en-as/resources/case-studies/lvTr/Geotube-Directs-Fly-Ash-Slurry-Flow-Over-Mine-Tailings-in-a-Tailings-Storage-Facility-Slated-for-Closure>

SLR Consulting Assessment Report on Heap Leach Pad for Uranium Mine (Declassified) [PDF]

<https://cdn.slrconsulting.com/uploads/2021-06/20210625-20Husab-20Heap-20Leach-20Scoping-20Report-20with-20Impact-20Assessment-20FINAL.pdf>

Enhanced Efficiency in Tailings Treatment with Intelligent Process Control from ANDRITZ

<https://www.globalminingreview.com/special-reports/06072021/enhanced-efficiency-in-tailings-treatment-with-intelligent-process-control/>

Management of Tailings Storage Facilities (Declassified)

https://www.polymetalinternational.com/upload/iblock/4e5/Polymetal_TSF_report_2021.pdf

Groundprobe Launches Geohazard Monitoring System for Tailings Dam

The RGR-Velox, which stands for reactive geohazard radar, is a reactive monitoring and alarming system for tailings dam breaches, large slope failures

<https://www.geplus.co.uk/news/groundprobe-launches-geohazard-monitoring-system-07-07-2021/>
<https://www.groundprobe.com/product/rgr-velox/>

Golder Associates Awarded Contract for Design a Mine Tailings Facility for Quebec Lithium

<https://www.groupe-alphard.com/design-of-a-water-management-pond-in-a-mine-tailings-facility-geomembrane-works-and-emergency-pumping-system.html>

Vale is starting activities with unmanned equipment for the removal of tailings from B3/B4 dam, at Mar Azul iron ore mine, in Nova Lima, and Sul Superior dam, at Gongo Soco mine, in Barão de Cocais – both in Minas Gerais

The process is fully executed with unmanned equipment, operated remotely and safely from a control centre outside the tailings structures

<https://im-mining.com/2021/07/07/vale-advances-de-characterisation-plan-b3-b4-sul-superior-dams/>

Design Considerations for an Iron Tailings Filtration Plant and Their Conveying and Disposal Systems

<https://www.ausimm.com/globalassets/conferences-and-events/iron-ore/abstract-52---design-considerations-for-an-iron-tailings-filtration-plant-and-their-conveying-and-disposal-systems.pdf>

Tailings Dam Mitigation Risk Informed Decision Making

<https://www.riskope.com/2021/07/07/tailings-dam-mitigation-risk-informed-decision-making/>

TAILINGS DAM FAILURE STUDIES

Tailings Dam-Break Assessments with RiverFlow2D MT Mud and Tailings Model

<https://www.youtube.com/watch?v=3VFqzyYc2cg>

Catastrophic Mass Flows Resulting from Tailings Impoundment Failures

<https://www.sciencedirect.com/science/article/pii/S0013795221002738>

Application of Information Technology in Safety Monitoring and Early Warning of Tailings Ponds

<https://iopscience.iop.org/article/10.1088/1742-6596/1961/1/012018/pdf>

Webinar on Modelling a Tailings Dam Break (15th July, 2021)

<https://www.theacademybydhi.com/course-sessions/webinar---modelling-tailings-dam-break-41600019-129>

NEW RESEARCH ON TAILINGS

Spatial Distribution, Risk Assessment and Source Identification of Pollutants Around Gold Tailings Ponds

<https://link.springer.com/article/10.1007/s10661-021-09274-w>

Feasibility Evaluation of Replacing River Sand in Mortar Production with Copper Tailings

<https://www.mdpi.com/2071-1050/13/14/7575/pdf>

Pore Structure and Compressive Strength of Tailings Concrete under Dry-Wet Cycles of Chloride Attack

[https://ascelibrary.org/doi/abs/10.1061/\(ASCE\)CF.1943-5509.0001625](https://ascelibrary.org/doi/abs/10.1061/(ASCE)CF.1943-5509.0001625)

Carbonation, Cementation, and Stabilization of Mine Tailings

<https://pubs.acs.org/doi/10.1021/acs.est.1c01570>

Potential of Tungsten Tailings as Glass Raw Materials

[https://upcommons.upc.edu/bitstream/handle/2117/121365/Alfonso et al_FINAL.pdf](https://upcommons.upc.edu/bitstream/handle/2117/121365/Alfonso%20et%20al_FINAL.pdf)

NEW JOBS

AECOM Seeking Senior Geotechnical Engineer for Design, Safety Assessments and Construction of High to Extreme Consequence of Failure Embankment Tailings Dams

<https://aecom.jobs/winnipeg-mb/senior-geotechnical-engineer/E8D3980F14F1467B9F71DF175E2E0E94/job/>

Perth Role for Geotechnical Engineer - Tailings

<https://www.jobsjobs.com.au/engineering-jobs/geotechnical-engineer-tailings/3267645>

Newmont Seeking Principal Engineer, Tailings & Dams

<https://getwork.com/details/3efde715408c1a143b4ea556daebdc83>

MARKETING YOUR BRAND IN THE TAILING'S SPACE

How to Get Noticed by More Than 40,000 People in the Tailings Space Across the Globe

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