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TNA- Tailings News Alerts

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

NEWSMAKERS: * Acid Mine Drainage * ALARP * AMD * Angelica Amanda Andrade * Boliden Minerals * BHP * Brazil * Brumadinho * ExcelPlas * Fraser Alexander * Fundão Dam * ICOLD * Mini-Dredgers * Phu-Bia * Queensland Tailings Group (QTG) * Samarco * Satellite Radar Mapping of Tailings Dams * Sierra Gorda * Slurry Pipes * Tailings Dam Failure * TNA * TSF * UHMWPE Pipe * VITO * Wood

INDUSTRY NEWS

Remining of Closed Tailings Facilities Should be Banned, Rehabilitation Expert Suggests

<https://www.miningweekly.com/article/remining-of-closed-tailings-facilities-should-be-banned-rehabilitation-expert-suggests-2022-07-07>

EVENT - The Social Cost of Tailings Management – Talk by Angelica Amanda Andrade (Thu., 28 July 2022)

The Queensland Tailings Group (QTG) is bringing Angelica Andrade to Brisbane (from Brazil) to share her story about the social impacts and her personal loss associated with the Brumadinho failure

<https://www.eventbrite.com/e/the-social-cost-of-tailings-management-tickets-373981146677>

Who is Angelica Amanda Andrade?

Born and raised in the small town of Brumadinho, Brazil, I am an English teacher who had my life devastated on January 25, 2019, when the B1 tailings dam in one of Vale's mining complexes collapsed, creating a massive wave of toxic mud that destroyed and killed everything in its way.

My sister, Natalia, who worked as an administrative analyst for Vale, was having lunch at the cafeteria at that time with at least another 100 employees. The administrative sector, which included the cafeteria, had been built below the dam and when it burst the sirens, intended to alert the people around and give them a chance to escape, didn't work.

Few who were there could escape, as they were taken by surprise. Sadly, my sister wasn't among the survivors.

<https://www.eventbrite.com/e/the-social-cost-of-tailings-management-tickets-373981146677>

ICOLD Tailings Dam Safety Bulletin Update

<https://www.youtube.com/watch?v=4q0ldq5HLxw>

Post-Disaster Recovery Plan for a Rural Settler's Community Affected by the Fundão Dam Tailings in Brazil

<https://www.sciencedirect.com/science/article/abs/pii/S0743016722001061>

Probability of Tailings Dam Failure Using ALARP

In the paper we use an anonymized case to show how a dam's probability of failure and risks evolve with its raising. In a second step we explicitly discuss the search for the ALARP risk mitigation level for a specific dam elevation.

<https://www.riskope.com/2022/07/06/a-case-study-on-alarp-optimization/>

Boliden Minerals and VITO - Transformation of Mine Tailings into Cement-Bound Aggregates for Use in Concrete by Granulation in a High-Intensity Mixer

<https://www.sciencedirect.com/science/article/pii/S0959652622025811>

Effect of Subgrade on Tensile Strains in a Geomembrane for Tailings Storage Applications [PDF]

<https://cloud.excelplas.com/s/OHrCip1BTkZy5Zl>

New Abrasion Resistant Slurry Piping for Tailings Transports

<https://www.slurrypipes.com.au/>

Third Thickener of Sierra Gorda Mining Tailings

<https://www.youtube.com/watch?v=HmhOd43saxw>

Tailings Deposition Expert Fraser Alexander shows its DRC muscle

<https://www.youtube.com/watch?v=0Lk-sr1RBaM>

On Hazardous Mine Tailings Dams, 'Safety First' Should be the Rule (Commentary)

<https://news.mongabay.com/2022/07/on-hazardous-mine-tailings-dams-safety-first-should-be-the-rule-commentary/>

Australian-Made Dredgers for Managing Tailings Dams with Belly Pak Remote Controls

<https://www.dredgingservices.com.au/mini-dredgers/>

LATEST RESEARCH

An Integrated Management Strategy for Acid Mine Drainage (AMD) Control of Sulfidic Tailings
<https://www.sciencedirect.com/science/article/abs/pii/S0892687522003193>

Evaluation of Heavy Metal Contamination in Copper Mine Tailing Soils of Zambia, for Reclamation Prospects
<https://www.nature.com/articles/s41598-022-15458-2.pdf>

Latest Takraf Video on The Managing And Disposing of Processing Waste Safely And Effectively
We are pleased to release our latest video that shows how implementing a Dry Stack Tailings (DST) solution provides a safe and sustainable alternative to the storage of tailings in impoundments.
<https://www.takraf.com/news/detail/latest-takraf-video-on-the-managing-and-disposing-of-processing-waste-safely-and-effectively/>

Alkali-Hydrothermal Activation of Mine Tailings to Prepare One-Part Geopolymer: Activation Mechanism, Workability, Strength, and Hydration Reaction
<https://www.sciencedirect.com/science/article/pii/S0272884222023525>

Exploring Viscous Effects on Numerical Simulations of Static Liquefaction Triggering
https://www.researchgate.net/publication/361743898_Exploring_Viscous_Effects_on_Numerical_Simulations_of_Static_Liquefaction_Triggering

Investigation of Gamma Ray Absorption Levels of Composites Produced from Copper Mine Tailings, Fly Ash, and Brick Dust
<https://link.springer.com/article/10.1007/s10163-022-01450-5>

Enhancement of Uranium Recycling from Tailings Caused by the Microwave Irradiation-Induced Composite Oxidation of the Fe–Mn Binary System
<https://pubs.acs.org/doi/10.1021/acsomega.2c02392>

Physico-Chemical and Micro-Structural Behaviour of Cemented Mine Backfill: Effect of pH in Dam Tailings
<https://www.sciencedirect.com/science/article/pii/S0301479722006077>

Copper Recovery from Tailings Through Bioleaching and Further Application of Bioleached Tailings Residue: Comprehensive Utilization of Tailings
<https://www.sciencedirect.com/science/article/abs/pii/S0959652621042955>

Study on Mine Tailings Classification Effected by Co-disposal of Drilling Wastes with Geochemical Cations

<https://link.springer.com/article/10.1007/s42461-022-00643-8>

Mortar Designed from Red Mud with Iron Tailings and Moulded by 3D Printing

<https://pubmed.ncbi.nlm.nih.gov/35786734/>

Green Geopolymers with Copper Tailings for Marine Environments

<https://www.azom.com/news.aspx?newsID=59475>

NEW JOBS

Phu-Bia Mining Seeking Senior Tailings Engineer

<https://www.seek.com.au/tailings-jobs/in-Australia-Fair-QLD-4215>

Wood Seeking Senior Geotechnical Engineer for Tailings /Mine Waste

<https://www.careermine.com/job/2083101/senior-geotechnical-engineer-tailings-mine-waste/>

MARKETING YOUR BRAND IN THE TAILING'S SPACE

How to Get Noticed by More Than 45,000 People in the Tailings Space Across the Globe

TNA reaches over 45,000 people each month and this high level of audience engagement comes from years of creating content that matters to the mining industry.

We provide the industry's most reliable and current information, and have the trust and attention of the leaders and decision makers.

Not only can we help you get in front of our highly engaged audience, but we also have a number of channels you can use to target your message – as well as the subject matter experts to put it all together.

TNA Digital Marketing Tools Used to Reach Critical Asset Owners

<https://www.tailingsnews.com.au/>

TNA Media Pack Download Here

<https://cloud.excelplas.com/s/ohJ6asTzCPppQKY#pdfviewer>

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