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TNA- Tailings News Alerts

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

NEWSMAKERS: * AECOM * Barrick Gold * BGC Engineering * Brazil * Brumadinho * CGG * Elon Musk * ExcelPlas * Fundão Dam * GHD * Karara Mining * Knight Piesold * MMG * Phytomanagement * Phytostabilization * QMM Mine (Madagascar) * Rio Tinto * Samarco * Tailings Dam Failure * Satellite Radar Mapping of Tailings Dams * TNA * TSF * VALE * WSP

BREAKING NEWS

Tailings Dam Failure at the Rio Tinto QMM Mine in Madagascar Causes Chaos

<https://theecologist.org/2022/may/27/mine-dead-fish-villagers-and-their-protests?fbclid=IwAR0FwIKIE3RQtpHShTzRUP6wYBBXLsMxY-xF3p012z7SZN-WbnKTerHQoxc>

Second Version of Safety First: Guidelines for Responsible Mine Tailings Management Released Last Week, at a Press Conference in South Africa [PDF]

<https://41p14t2a856b1gs8ii2wv4k4-wpengine.netdna-ssl.com/assets/uploads/2020/06/Safety-First-Safe-Tailings-Management-V2.0-final.pdf>

Tailings Dam Ruptures Still Happen Even with Industry Standards, Say Critics

<https://www.northernontariobusiness.com/industry-news/mining/tailings-dam-ruptures-still-happen-despite-industry-standards-say-critics-5434557>

Tailings Dams Must Get Community Consent, Ensure Zero Harm – Report - Reuters

<https://www.reuters.com/business/environment/tailings-dams-must-get-community-consent-ensure-zero-harm-report-2022-06-01/>

Mining Industry Standard Failing to Make Waste Dams Safe

New report shows tailings dam failures increasing in frequency and severity

<https://miningwatch.ca/news/2022/5/31/mining-industry-standard-failing-make-waste-dams-safe>

Development of a Geospatial Database of Tailing Storage Facilities in Australia Using Satellite Images

<https://www.sciencedirect.com/science/article/abs/pii/S0045653522016320>

Static Liquefaction: Lessons Learned, Risks Still Taken, Making Ethical Technical Decisions (Webinar 6th June 2022)

<https://www.nationalacademies.org/event/06-06-2022/static-liquefaction-lessons-learned-risks-still-taken-making-ethical-technical-decisions>

INDUSTRY NEWS

How Engineers Can Help Improve the Safety of Mine Tailing Dams (by Roy Mayfield, BGC Engineering)

<https://engineeringmanagementinstitute.org/tgep-51-how-engineers-can-help-improve-the-safety-of-mine-tailing-dams/>

Regional Distribution and Causes of Global Mine Tailings Dam Failures

<https://www.mdpi.com/2075-4701/12/6/905/pdf?version=1653533407>

Remote-Control Autonomous Robots to Remove Tailings from Tailings Dams

<https://www.dredgingservices.com.au/mine-site-dredging/>

New Study Reveals Details Regarding Effects of Mount Polley Mine Disaster

<https://www.cfnr.ca/2022/05/25/new-study-reveals-details-regarding-effects-of-mount-polley-mine-disaster/>

Tapping Mineral Wealth in Mining Waste Could Offset Damage from New Green Economy Mines

<https://theconversation.com/tapping-mineral-wealth-in-mining-waste-could-offset-damage-from-new-green-economy-mines-183232>

Mine Waste Leaves Toxic Legacies in South Africa - And International Launch of Tailings Report

<https://miningwatch.ca/news/2022/5/24/mine-waste-leaves-toxic-legacies-south-africa-and-international-launch-tailings>

Top 10 Guidelines for Safe Mining Tailings Management

<https://miningdigital.com/top10/top-10-guidelines-for-safe-mining-tailings-management>

Stability Analysis of Downstream Dam Expansion Tailings Pond

<https://www.researchgate.net/publication/361041098-Stability-Analysis-of-Downstream-Dam-Expansion-Tailings-Pond>

Geochemical Characteristics of Tailings from Typical Metal Mining Areas in Tibet Autonomous Region

<https://www.mdpi.com/2075-163X/12/6/697/pdf>

NEW RESEARCH

Field Experiments of Phyto-Stabilization, Biochar-Stabilization, and Their Coupled Stabilization of Soil Heavy Metal Contamination around a Copper Mine Tailing Site [PDF]

<https://www.mdpi.com/2075-163X/12/6/702/pdf?version=1653988777>

Empirical Model with Risk Assessment to Simulate and Evaluate the Tailings Dam Failure in Brumadinho [PDF]

<https://www.mdpi.com/2071-1050/14/11/6681/pdf?version=1653905771>

Experimental Study on the Hydraulic Characteristics of Tailings Dams through Large-Scale Particle Velocimetry

<https://link.springer.com/article/10.1007/s12665-022-10427-4>

The Effect of Strain Rate on the Zinc Tailing Behaviour in Monotonic Triaxial Testing

<https://www.tandfonline.com/doi/abs/10.1080/19648189.2022.2042739?src=&journalCode=tece20>

REUSE OF TAILINGS

Mine Tailings-Based Geopolymers: A Comprehensive Review

<https://www.sciencedirect.com/science/article/pii/S0272884222019381>

Application of Iron Tailings-Based Composite Supplementary Cementitious Materials (SCMs) in Green Concrete

<https://www.mdpi.com/1996-1944/15/11/3866/pdf?version=1653733311>

New Book Chapter – ‘Utilization of Mine Waste’

<https://www.taylorfrancis.com/chapters/edit/10.1201/9781003268499-2/utilization-mine-waste-karra-ram-chandar>

New Book Chapter – ‘Iron Ore Mine Waste and Tailings as Aggregates in Concrete’

<https://www.taylorfrancis.com/chapters/edit/10.1201/9781003268499-7/iron-ore-mine-waste-tailings-aggregates-concrete-gayana-karra-ram-chandar>

New Book Chapter – ‘Utilization of Iron Ore Tailings in Bricks’

<https://www.taylorfrancis.com/chapters/edit/10.1201/9781003268499-6/utilization-iron-ore-tailings-bricks-shubhananda-rao-karra-ram-chandar>

NEW JOBS

Karara Mining Seeking Tailings Dam Operator Maintainer

<https://www.seek.com.au/job/57185524?type=standout>

AECOM Seeking Senior Tailings Engineer

<https://au.linkedin.com/jobs/view/senior-tailings-engineer-at-aecom-3106792380>

GHD Seeking Tailings Dam Engineers

<https://www.blayneychronicle.com.au/jobs/jobview/eoi-dams-and-tailings-engineers/e0f1b606-e1cd-11ec-81cd-02b662f67062?page-referral-element=You-20may-20also-20be-20interested-20in-20these-20jobs>

Rio Tinto Seeking Responsible Dam Engineer, Gove (Principal-Level)

<https://www.careermine.com/job/2073789/responsible-dam-engineer-gove-principal-level/>

MORE TAILINGS NEWS

Get More Tailings News Here:

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

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