

## April 2022 Vol. 3

Author : TNA

### TNA- Tailings News Alerts

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

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NEWSMAKERS: \* AECOM \* Aitik \* Barrick Gold \* Boliden \* Brazil \* Brian Fox \* Brumadinho \* CGG \* Elon Musk \* ExcelPlas \* FLOW-3D HYDRO \* Fundão Dam \* GHD \* Golder Associates \* HATCH \* Paterson & Cooke \* Rio Tinto \* Robotic Mini-Dredgers \* Samarco \* Tailings Dam Failure \* Satellite Radar Mapping of Tailings Dams \* TNA \* TSF \* VALE \* WSP

#### BREAKING NEWS

##### **Rio Tinto Publicizes Details of Tailings Management**

<https://www.canadianminingjournal.com/news/tailings-rio-tinto-publicizes-details-of-tailings-management/>

##### **Boliden to Spend US\$530m on Aitik Tailings Dam**

<https://www.miningmagazine.com/natural-resources/news/1430185/boliden-to-spend-ususd530m-on-aitik-tailings-dam>

##### **Barrick Gold says Mining at Pueblo Viejo Would End Without TSF**

<https://www.canadianminingjournal.com/news/barrick-gold-says-mining-at-pueblo-viejo-would-end-without-tsf/>

##### **Brazil's Vale Starts Work on Eliminating Another Upstream Dam**

<https://wsau.com/2022/04/20/brazils-vale-starts-work-on-eliminating-another-upstream-dam/>

##### **Golder Risk Assessment for Australian Vanadium Mine Finds Geomembrane 'Not Necessary'**

A Conceptual Exposure Model was developed by Golder and, together with a risk assessment, concluded that a geomembrane was not necessary and the risk to aquatic life was low

<https://company-announcements.afr.com/asx/avl/d0bb6101-b532-11ec-b19e-26dfc357b1a.pdf>

**Shock \$15 Plan for Old Gympie Gold Mine Site**

<https://cloud.excelplas.com/s/kfnz0eX604Hea7R#pdfviewer>

**Clean Energy's Dirty Secret: How Push for Modern Technology has Made Chinese Pond Toxic**

<https://news.sky.com/story/clean-energys-dirty-secret-pond-filled-with-toxic-material-in-northern-china-is-by-product-of-rare-earth-processing-12592342>

INDUSTRY NEWS

**MASTERCLASS – ‘Advances in Design and Construction with geosynthetics for Mine Tailings and Closure Applications’ (Tuesday 7th June 2022)**

<https://geoanzconference.com.au/master-class/>

**Boliden to Adjust Dam Construction in Aitik**

<https://www.globalminingreview.com/environment-sustainability/15042022/boliden-to-adjust-dam-construction-in-aitik/>

**Modelling Tailings Dam Rupture (Video Webinar) by Brian Fox, FLOW-3D HYDRO**

<https://www.youtube.com/watch?v=vLibD1xzEg>

**Editorial: Tailing Dams – Slow Responses to Risks Long Known**

<https://www.icevirtuallibrary.com/doi/full/10.1680/jgeen.2022.175.2.139>

**Water Security Threats and Challenges Following the Rupture of Large Tailings Dams**

<https://www.sciencedirect.com/science/article/abs/pii/S0048969722023786>

**Carbon-Capture Technology for Tailings Wins B.C. Company a Million-Dollar Prize Backed by Elon Musk’s Foundation**

<https://www.thestar.com/news/canada/2022/04/22/carbon-capture-technology-wins-bc-company-a-million-dollar-prize-backed-by-elon-musks-foundation.html>

**Keeping Up with Demand: Copper Tailing Reprocessing**

<https://www.azomining.com/Article.aspx?ArticleID=1662>

## **The Future of Tailings Management – VIDEO**

<https://m.youtube.com/watch?v=Uo2uTEXD1CM>

## **Swedish Mining Company to Improve Tailings Dam Construction**

<https://www.geplus.co.uk/news/swedish-mining-company-to-improve-tailings-dam-construction-22-04-2022/>

## **Vale Sand to Aid Sustainability and Mining Tailings Reduction**

<https://www.globalminingreview.com/mining/13042022/vale-sand-to-aid-sustainability-and-mining-tailings-reduction/>

## TAILINGS REUSE

### **Evaluation of Molybdenum Tailings as Replacement for fine Aggregate in Concrete: Mechanical, Corrosion Resistance, and Pore Microstructural Characteristics**

<https://papers.ssrn.com/sol3/Delivery.cfm/1f8a0afa-2b3b-4437-ae8c-fdf5d1685ccd-MECA.pdf?abstractid=4087296&mirid=1>

### **Graphite Tailings' Effects on Mechanical and Physical Properties of Eco-Efficient Steel Fibre-Reinforced Concrete**

<https://www.mdpi.com/2075-5309/12/5/509/pdf?version=1650453172>

### **Hydrometallurgical Processing of Brazilian Iron Ore Tailings for the Synthesis of Pigments**

<https://www.scirp.org/journal/paperinformation.aspx?paperid=116582>

## NEW RESEARCH

### **A Tailings Dam Long-Term Deformation Prediction Method Based on Empirical Mode Decomposition and LSTM Model Combined with Attention Mechanism**

<https://www.mdpi.com/2073-4441/14/8/1229/pdf?version=1649687353>

### **Passivation of Heavy Metals in Copper-Nickel Tailings by *In-Situ* Bio-Mineralization**

[https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=4084663](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4084663)

### **Dewatered and Stacked Mine Tailings: A Review**

<https://pubs.acs.org/doi/10.1021/acsestengg.1c00480>

### **Geochemical and Mineralogical Characteristics of Gold Mine Tailings in Egypt**

<https://link.springer.com/article/10.1007/s11707-021-0968-3>

### **Semi-Parametric Copula-Based Estimation of Risk of Tailings Dams**

<https://aip.scitation.org/doi/abs/10.1063/5.0081339?journalCode=apc>

## **NEW JOBS**

### **AECOM Seeking Senior Tailings Engineer for Brisbane Role**

[https://www.careerone.com.au/jobview/senior-tailings-engineer/4761c9f6-c319-11ec-81cd-02b662f67062?page\\_referral\\_element=Search%20result](https://www.careerone.com.au/jobview/senior-tailings-engineer/4761c9f6-c319-11ec-81cd-02b662f67062?page_referral_element=Search%20result)

### **HATCH Seeking Tailings Engineer for Perth Role**

<https://au.linkedin.com/jobs/view/geotechnical-engineer-tailings-at-hatch-3037196253>

### **Paterson & Cooke Seeking Tailings and Pipeline Project Engineer (Calgary, Alberta or Vancouver, BC)**

<https://www.patersoncooke.com/tailings-and-pipeline-project-engineer-calgary-alberta-or-vancouver-bc/>

### **WSP Seeking Senior Civil Designer for Mine Waste Team**

<https://au.linkedin.com/jobs/view/senior-civil-designer-at-wsp-in-australia-3005651939>

## **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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