

Received Articles

(29 articles as of January 7)

Represented Countries (9): Australia, Brazil, Canada, Chile, Colombia, France, Norway, Peru and USA

PHYSICAL STABILITY

(2 articles)

1. (A06) Closure of Mining Waste Piles

Karippe Vieira, Paulo Amaral and Sandra Ribeiro, Vale, Brazil

2. (A26) Reduction of Carbon Footprint in the execution of Mine Closure Covers with Geosynthetics

Gustavo Fierro, Tecnologia de Materiales, Peru

CHEMICAL STABILITY

(1 article)

1. (A11) Geochemical Behaviour of Cemented Oxidized Mine Tailings and Effectiveness in Limiting Acid Mine Drainage

Audrey Jalce, Isabelle Demers and Benoît Plante, Université du Québec en Abitibi-Témiscamingue (UQAT), Canada; Thomas Pabst, Norwegian Geotechnical Institute (NGI), Norway; Thomas Genty, Agnico Eagle, Canada; Eric Brouard, Holcim Innovation Center, France; and Sophie Turcotte, Ministry of Natural Resources and Forests, Canada

RISK ASSESSMENT

(8 articles)

1. (A09) Mine Closure Plan or Project? Myths and Realities

Ronald Aquino, Minsur, Peru

2. (A10) Balancing the Mine Closure Equation: Conundrum or Opportunity?

Resa Furey, Cristian Marambio, Andrew Watson and Phillip Crouse

3. (A17) Methodology for the Evaluation of Closure Alternatives

Ricardo Soto, Juan Tellez and José Ale, WSP, Peru

4. (A18) Evaluation of the Hydrogeological Behavior of Tailings-Dolomite Co-Disposal to Mitigate Acid Mine Drainage

Javiera Farias, Isabelle Demers and Carmen Neculita, Université du Québec en Abitibi-Témiscamingue (UQAT), Canada

5. (A22) Beyond the Crest: Plan Ahead

Tomás Argandoña, BGC Engineering, Chile; and Mike Belfry, BGC Engineering, Canada

6. (A24) Legacy Tailings Dams and Urban Flood Risk: Hydrological Assessment for Safe Mine Closure at Águas Claras, Brazil

Letícia Pires, Guilherme Rodrigues, Zandra Cunha, Felipe Starling, Ana Viegas and Luanna Guimaraes, Vale, Brazil; and Sarah Luiz, Geoestável, Brazil

7. (A25) Risk-Based Closure Success Criteria: Águas Claras Pit Case Study

Letícia Pires, Tamires Nogueira, Pedro Freu, Vale, Brazil; Luanna Guimaraes and Debora Schaper, WSP, Brazil; and Marisol Valerio and Lesley Sandve, WSP, Canada

8. (A27) Integrated Closure Strategies in Iron Mining: Experiences from El Algarrobo, Cerro Negro Cristales, Emisario Chapaco and El Romeral Tailings Deposit

Roberto López, Compañía Minera del Pacífico, Chile

COSTS AND ECONOMIC ASSESSMENT

(3 articles)

1. (A03) Identification of Patterns in the Distribution of Mine Closure Costs

Clara Cheib, Débora Schaper and Ricardo Lessa, WSP, Brazil; and Kim Ferguson, WSP, Canada

2. (A16) Analysis and reuse of the tailing from the Chicrín Antiguo deposit, Nexa Resources Peru

José Cayetano, Pasco Mining Complex, Nexa Resources, Peru

3. (A23) A Differential Financial Assurance Model for ASM (MAPE) Closure in Colombia

Tommy Vallejo and Oscar Restrepo, Universidad Nacional de Colombia

PROGRESSIVE CLOSURE

(5 articles)

1. (A01) Planning Water Management for Closure

Bernard Aubé, Envirobay, Canada

2. (A02) Five Years On: Reflections on the Mine Rehabilitation Reforms and Their Impacts on the Queensland Resources Industry

Kate Baker, Office of The Queensland Mine Rehabilitation Commissioner, Australia

3. (A07) Management of Progressive Closure in Filtered Tailings Deposits Using Phytotechnology

Leandro Licuime, Elizabeth Díaz and Katherine Ascencio, Compañía Minera del Pacífico, Chile

4. (A19) Progressive Closure Planning and Sediment Management at a Mining Dam in Brazil

Marina Kolanski, Marco Nascimento, Osmar Costa, Tetra Tech, Brazil; and Raissa Cotta, Flaviane Thimotio and Samuel Tarazona, Vale, Brazil

5. (A29) Progressive Closure of Compañía Minera Teck Quebrada Blanca: Cathode Plant

Arturo Mejías, Teck Resources, Chile

STAKEHOLDER ENGAGEMENT

(1 article)

1. (A15) Social Transition in Mine Closure: Pathways for Participation and Impact Management

Hernán Maureira and Paula Muñoz, ARDUM Ingeniería, Chile

FUTURE USE OF TERRITORY

(3 articles)

1. (A12) Post Mining Land Use: Global Perspective and Local Regulation

Javiera Soto, Paula Muñoz and Ximena Araneda, ARDUM Ingeniería, Chile

2. (A21) Driving Innovation in Future Use Projects: The Sandbox Approach at Águas Claras Mine

Marina Oliveira and Gustavo Roque, Vale, Brazil

3. (A28) Mine Closure Planning Infrastructure Reuse and Technological Innovation

Christian Ihle, René Lagas, and Cristian Reyes, SHIMIN Engineering, Chile

MINING LIABILITIES AND ORPHAN ABANDONED MINES

(1 article)

1. (A13) Case Study: Use of Jet Grouting in Clay Soils for the Closure of a Long-Standing Inactive Tailings Deposit

Javiera Cortez, David Hernández, Pablo Valdés and Guillermo Tamblay, ARDUM Ingeniería, Chile

POST-CLOSURE, MONITORING AND MAINTENANCE

(3 articles)

1. (A04) Holden Mine: Real-Time Monitoring for Closure and GISTM Conformance

Summer Sun, Phillip Crouse and Ray Dorow, Stantec, USA

2. (A05) Future Land Use Selection Methodology and its Associated Costs

Eduardo Campana and Karlayne Pomalia, Klohn Crippen Berger, Peru

3. (A20) Feasibility of MABIOMET Device for Monitoring Heavy Metals and Metalloids

Bioaccessibility in Mining Soils

Carolina Parodi, Keyla Alencar and Miguel Montenegro, Universidad Tecnológica Metropolitana, Chile; and Jorge Mendoza, Universidad de Chile

REHABILITATION AND REVEGETATION

(2 articles)

1. (A08) Evaluation of The Economic and Environmental Benefits of Using Geosynthetics for Mine Closure in Brazil

Bruna Todescan, TDM Geossintéticos, Brazil; and Gustavo Fierro, TDM Group, Peru

2. (A14) Multi-Criteria Analysis for the Evaluation and Selection of Closure Measures During the Life of Mine Facilities

Julia Olivares, Angélica Vivas and Luis Gutiérrez, WSP, Chile

ARTICLES DISTRIBUTION

MINING COMPANIES

(11 articles)

Minsur, Peru (1)

Agnico Eagle, Canada (1)

Pasco Mining Complex, Nexa Resources, Peru (1)

Compañía Minera del Pacífico, Chile (2)

Teck Resources, Chile (1)

Vale, Brazil (5)

ENGINEERING AND CONSULTING COMPANIES

(12 articles)

Envirobay, Canada (1)

Klohn Crippen Berger, Peru (1)

ARDUM Ingeniería, Chile (3)

WSP, Chile (1)

WSP, Peru (1)

WSP, Brazil

WSP, Canada

Tetra Tech, Brazil

BGC Engineering, Chile (1)

BGC Engineering, Canada
Geoestável, Brazil
SHIMIN Engineering, Chile (1)
Stantec, USA (2)
WSP, Brazil (1)
WSP, Canada

SUPPLIER COMPANIES

(2 articles)

TDM Geossintéticos, Brazil (1)
Tecnología de Materiales, Peru (1)

UNIVERSITIES AND RESEARCH CENTERS

(3 articles)

Université du Québec en Abitibi-Témiscamingue (UQAT), Canada (1)
Holcim Innovation Center, France
Universidad Tecnológica Metropolitana, Chile (1)
Universidad de Chile
Universidad Nacional de Colombia (1)

STATE-OWNED INSTITUTIONS, NGOS AND GOVERNMENT AGENCIES

(1 article)

Office of The Queensland Mine Rehabilitation Commissioner, Australia (1)
Ministry of Natural Resources and Forests, Canada
Norwegian Geotechnical Institute (NGI), Norway