

# A chronology of major tailings dam failures

2000 - 2020

K2fly's Dams & Tailings solution is trusted by Environmental, Tailings, Geotechnical and Management teams globally to help improve compliance and provide the visibility to reduce risks and support accurate disclosure to industry bodies.

k2fly



# The risks and dangers of tailings

**As you will see in this guide, these tailings failures and disasters can lead to:**

- Fatalities
- Missing people
- Injuries
- Compromised transport routes including roads, bridges and railways
- Illness
- River pollution
- Flora and fauna damage and contamination
- Power disruption
- Utility damage
- Drainage contamination
- Flooding
- Water contamination
- Mud slides and spills
- Villages submerged
- Homes lost

**Don't wait for this to happen. Be proactive and take preventative steps today.**

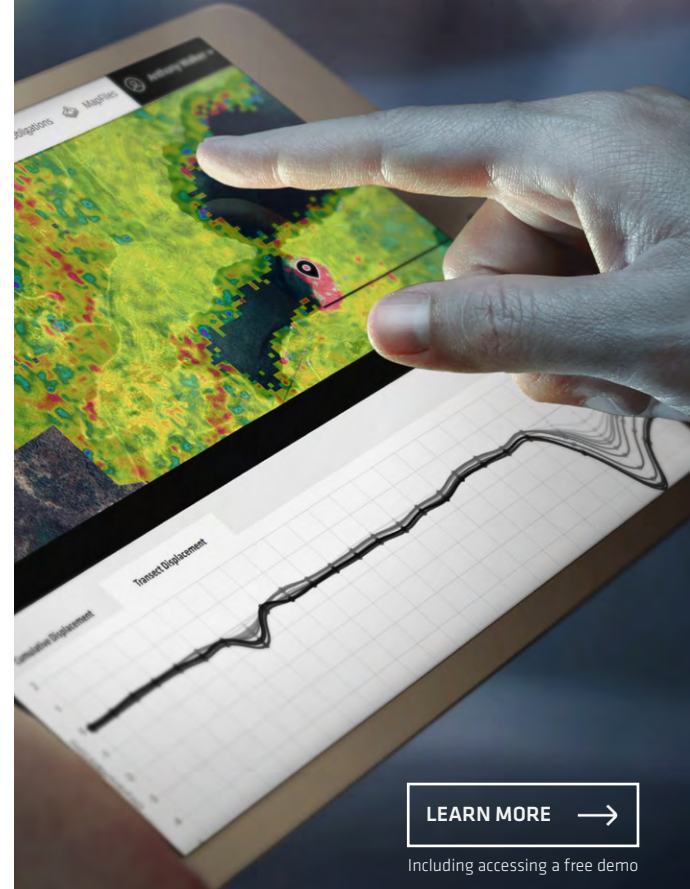




# Powerful monitoring and management rolled into one easy-to-use cloud platform

- View real-time data and receive exceedance alerts
- Monitor land movement with remote sensing and InSAR datasets
- Visualise real-time LiDAR data with insights into dam movement
- Securely store and access all of your tailings data in the one place
- Upload and reference key documentation
- Visualise facilities across multiple sites in a single screen on a geospatial map
- Monitor your facilities with InSAR, LiDAR, DEM and more
- Capture a wide range of monitoring data and indicators such as surface and groundwater, decant pond water levels and quality, and embankment conditions
- Capture and track obligations and conditions around your license to operate to manage your key risks and actions
- Action and task delegation for data collection with reminders
- Maintain and track environmental monitoring compliance limits and exceedances
- Manage and engage with all of your stakeholders with one central repository
- Convert your engagements into actionable outcomes
- Forecast, plan and track your sites activities using IBM's Weather data
- Create corporate report templates and meet requests for data provision from industry groups such as ICMM, Global Tailings Portal, PRI, and UNEP
- Integration capability with third party systems or public portals such as the Global Tailings Portal

Reduce risk  
Improve safety  
Increase social license



LEARN MORE →

Including accessing a free demo



2 July 2020

## Hpakant, Kachin State, Myanmar



Waste heap failure  
**INCIDENT TYPE**



Unknown  
**COMPANY**



Jade  
**ORE TYPE**



Unknown  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

Following heavy rain, mining waste collapsed into a lake, triggering a 6.1-meter (20 ft) wave of mud and water that buried many workers. At least 174 people were killed and 100 missing.



Image credit: Yin Min Tun



1 May 2020

## San José de Los Manzanos, Canelas, Durango, Mexico



Tailings dam failure  
INCIDENT TYPE



Exportaciones de Minerales de Topia SA (EMITSA)  
COMPANY



Lead, Zinc  
ORE TYPE



6,000  
RELEASE (M<sup>3</sup>)

### IMPACTS

The tailings spilled on a nearby road and 8,000 m<sup>2</sup> of land, reaching the San Bernabé stream after 5km and the town of the same name



Image credit: Earthworks





28 March 2020

## Tieli, Yichun City, Heilongjiang Province, China



Well overflow, release of water and tailings  
**INCIDENT TYPE**



Yichun Luming Mining Co., Ltd  
**COMPANY**



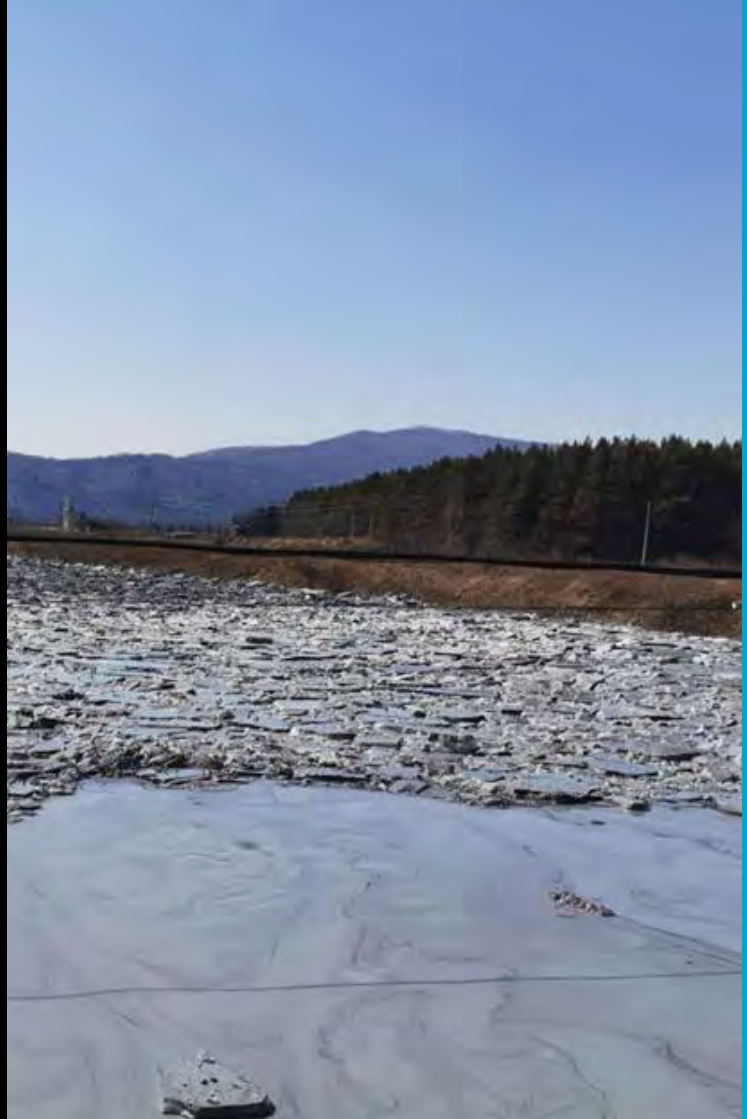
Molybdenum  
**ORE TYPE**



2,530,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

Water and tailings flowed through the surrounding area, reaching Yijimi river after 3km, threatening the drinking water of 68,000 people in Tieli City. By 4 April 2020, the pollution reached 208km downstream.





1 October 2019

## Nossa Senhora do Livramento, Mato Grosso, Brazil



Tailings dam failure  
INCIDENT TYPE



VM Mineração e Construção, Cuiabá  
COMPANY



Gold  
ORE TYPE



Unknown  
RELEASE (M³)

### IMPACTS

Tailings flowed for 1-2km and included the disruption of a power line





10 July 2019

**Cobrizo mine, San Pedro de Coris district, Churcampa province, Huancavelica region, Peru**



Tailings dam failure  
INCIDENT TYPE



Doe Run Perú S.R.L.  
COMPANY



Copper  
ORE TYPE



67,488  
RELEASE (M³)

**IMPACTS**

Tailings covered an area of 41,574m² and reached Mantaro River







22 April 2019

## Hpakant, Kachin state, Myanmar



Waste heap failure  
INCIDENT TYPE



Shwe Nagar Koe Kaung Gems Co. Ltd.  
COMPANY



Jade  
ORE TYPE



Unknown  
RELEASE (M<sup>3</sup>)

### IMPACTS

3 workers killed, 54 workers missing





9 April 2019

## Muri, Jharkhand, India



Mud tailings pond failure  
INCIDENT TYPE



Hindalco Industries Limited  
COMPANY



Bauxite  
ORE TYPE



Unknown  
RELEASE (M<sup>3</sup>)

### IMPACTS

Spill of red mud over 35 acres and a nearby railway line. The final number of casualties are unclear.





29 March 2019

## Machadinho d'Oeste, Oriente Novo, Rondônia, Brazil



Tailings dam disaster  
INCIDENT TYPE



Metalmineração Indústria e Comércio S/A  
COMPANY



Tin  
ORE TYPE



Unknown  
RELEASE (M³)

### IMPACTS

An inactive tailings dam was damaged after heavy rain. It resulted in damage to seven bridges, leaving 100 families isolated.







25 January 2019

## Córrego de Feijão mine, Brumadinho, Região Metropolitana de Belo Horizonte, Minas Gerais, Brazil



Tailings dam disaster  
INCIDENT TYPE



Vale SA  
COMPANY



Iron  
ORE TYPE



12,000,000  
RELEASE (M<sup>3</sup>)

### IMPACTS

The tailings wave devastated the mines loading station, its administrative area, and two smaller sediment retention basins. It then traveled approximately 7km downhill until reaching Rio Paraopeba, destroying a bridge of the mines railway branch, and spreading to parts of the local community Vila Ferteco, near the town of Brumadinho. The slurry was then carried further by Rio Paraopeba. 259 people were killed, and 11 were reported missing.





4 June 2018

## Cieneguita mine, Urique, Chihuahua, Mexico



Tailings dam failure  
**INCIDENT TYPE**



Minera Rio Tinto  
**COMPANY**



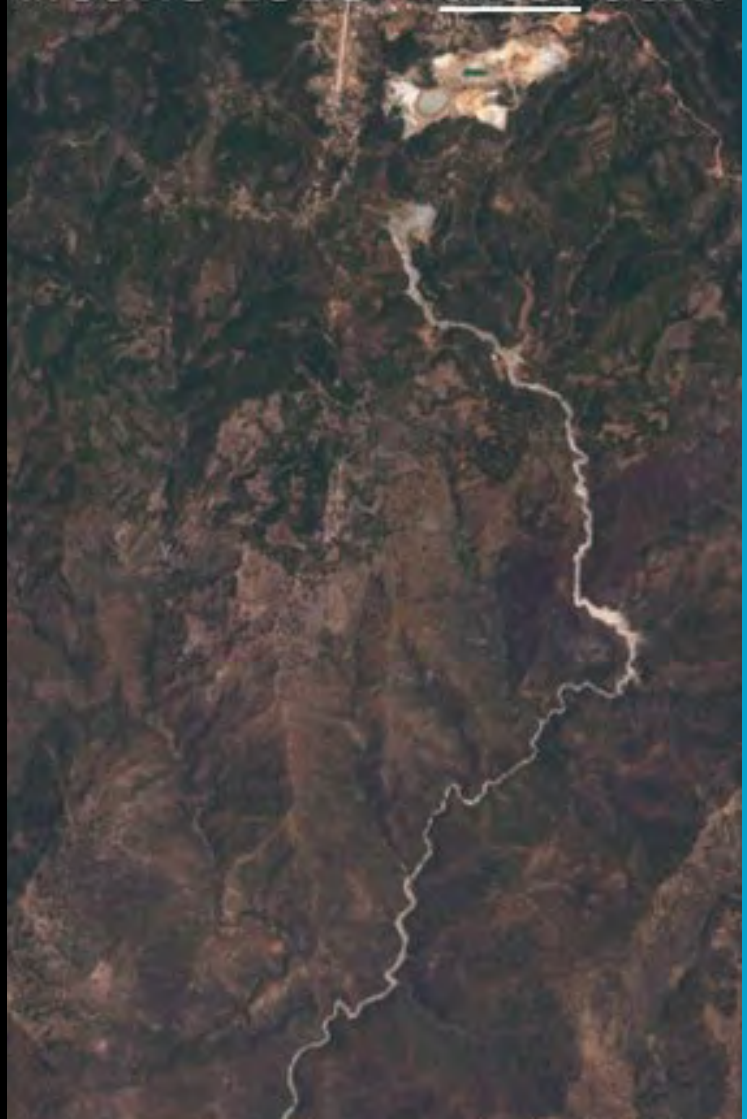
Gold, silver  
**ORE TYPE**



249,000 of tailings and 190,000 of embankment  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

Tailings release travelled 29km downstream; most of the tailings were deposited along the course of the Cañitas River. Three workers were killed, two wounded, and four were reported missing.





9 March 2018

## Cadia, New South Wales, Australia



Tailings dam failure  
**INCIDENT TYPE**



Newcrest Mining Ltd  
**COMPANY**



Gold, copper  
**ORE TYPE**



1,330,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

Embankment failure resulted in “limited breakthrough” of tailings material from the northern to the southern tailings dam. The breakthrough was contained within the southern tailings dam. The failure was attributed to the existence of a low-density foundation layer in the vicinity of the slump.







3 March 2018

**Huancapati, Recuay province,  
Áncash region, Peru**



Tailings collapse  
INCIDENT TYPE



Compañía Minera Lincuna SA  
COMPANY



Gold, copper  
ORE TYPE



80,000  
RELEASE (M<sup>3</sup>)

**IMPACTS**

The incident contaminated crops, the Sipchoc creek and the Santa river.





17 February 2018

## Barcarena, Pará, Brazil



Overflow of red mud basin  
**INCIDENT TYPE**



Hydro Alunorte / Norsk Hydro ASA  
**COMPANY**



Bauxite  
**ORE TYPE**



Unknown  
**RELEASE (M³)**

### IMPACTS

Highly alkaline and metal-laden liquids flooded the surrounding residential areas, rendering the drinking water supply in the area unusable.





17 September 2017

## Kokoya Gold Mine, Bong County, Liberia



Geo-membrane layer rupture and overflow  
**INCIDENT TYPE**



MNG Gold Liberia (Redwood Global Inc)  
**COMPANY**



Gold  
**ORE TYPE**



11,500  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

30 people became ill as a result of pollution of the creek due to the chemical spill. Note: this cause for the illnesses reported was later disputed.







30 June 2017

## Mishor Rotem, Israel



Dam failure  
INCIDENT TYPE



Rotem Amfert Negev Ltd., Israel Chemicals (ICL)  
COMPANY



Phosphate  
ORE TYPE



100,000  
RELEASE (M<sup>3</sup>)

### IMPACTS

The toxic wastewater surged through the dry Ashalim riverbed and left a wake of ecological destruction more than 20km long.





12 March 2017

## Tonglvshan Mine, Hubei province, China



Tailings dam failure  
**INCIDENT TYPE**



China Daye Non-Ferrous Metals Mining Limited  
**COMPANY**



Copper, gold, silver, iron  
**ORE TYPE**



200,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

The tailings flooded the fish pond downstream of approximately 27 hectares. Two persons were reported dead and one was reported missing.





28 December 2016

## Satemu, Hpakant, Kachin state, Myanmar



Waste heap failure  
**INCIDENT TYPE**



Jade Palace Company  
**COMPANY**



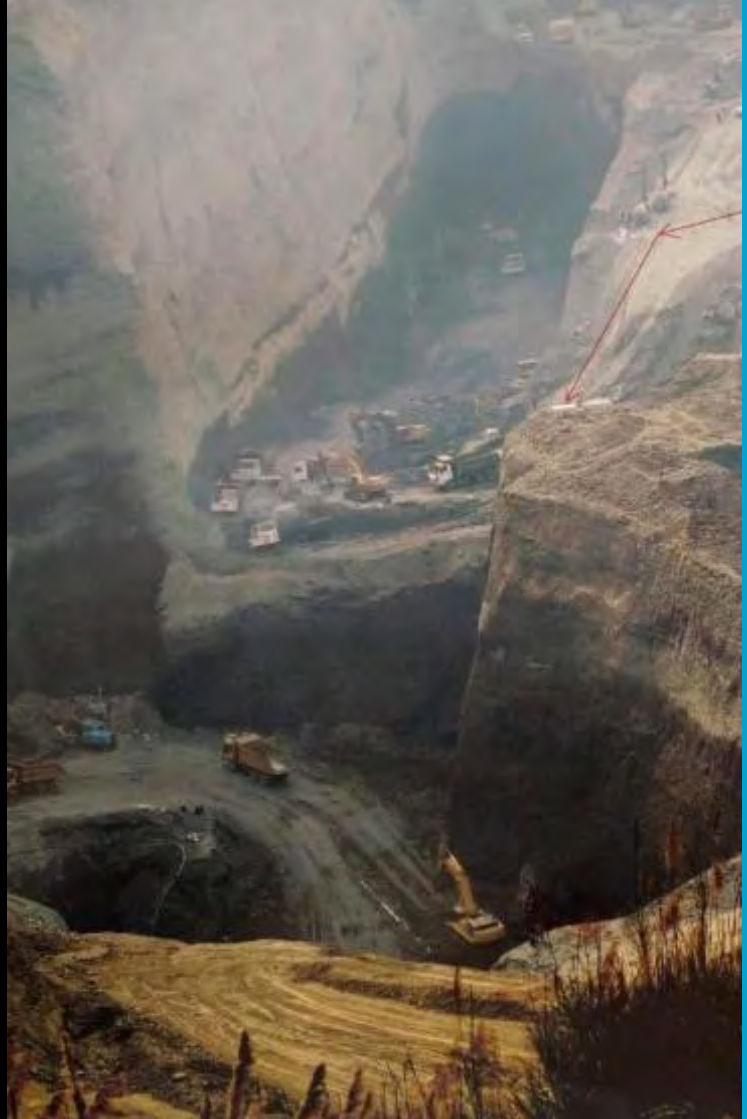
Jade  
**ORE TYPE**



Unknown  
**RELEASE (M³)**

### IMPACTS

Approximately 50 workers went missing.







27 October 2016

## Antamok mine (inactive), Itogon, Benguet province, Philippines



Tailings flow through drain tunnel  
**INCIDENT TYPE**



Benguet Corp.  
**COMPANY**



Gold  
**ORE TYPE**



50,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

The leaked tailings flowed into Liang, Ambalanga and Agno rivers.





27 August 2016

## New Wales plant, Mulberry, Polk County, Florida, USA



Sinkhole in a phosphogypsum stack  
**INCIDENT TYPE**



Mosaic Co  
**COMPANY**



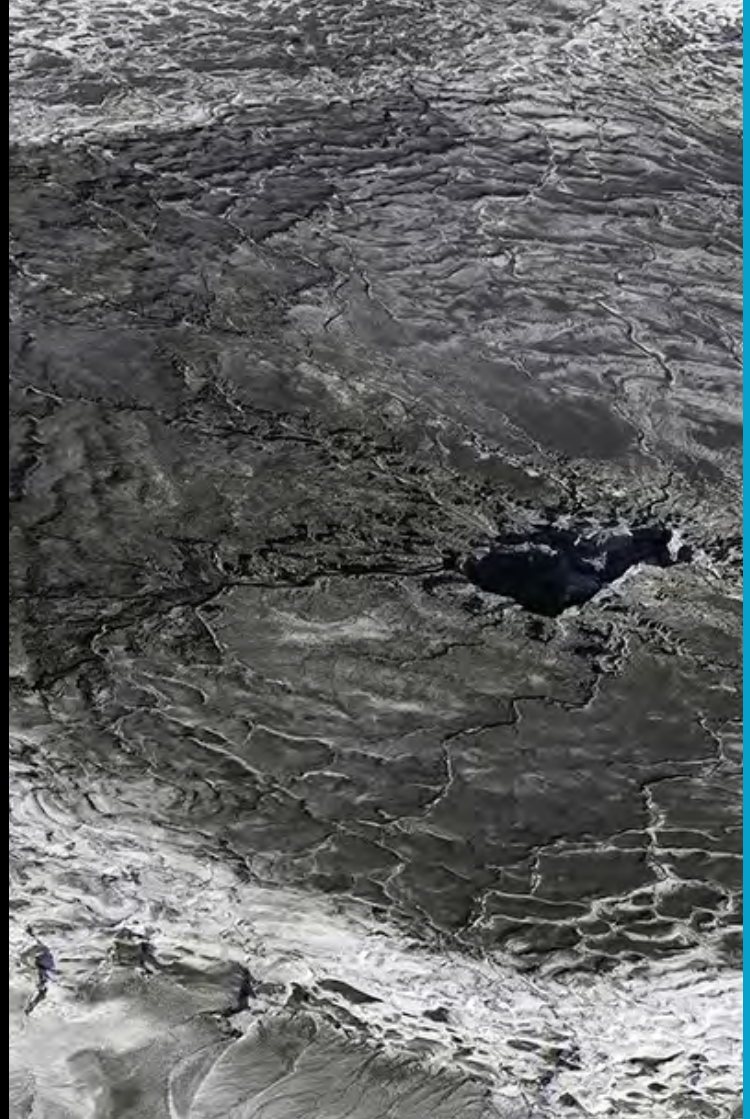
Phosphate  
**ORE TYPE**



840,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

Unknown





8 August 2016

## Dahegou Village, Luoyang, Henan province, China



Tailings failure  
INCIDENT TYPE



Luoyang Xiangjiang Wanji Aluminium Co., Ltd.  
COMPANY



Bauxite  
ORE TYPE



Unknown  
RELEASE (M<sup>3</sup>)

### IMPACTS

Village totally submerged in red mud, around 300 villagers evacuated, and many farm and domestic animals were killed.







14 December 2015

## Lamaungkone, Hpakant, Kachin state, Myanmar



Waste heap failure  
**INCIDENT TYPE**



Tun Tauk Zabu jade mining company  
**COMPANY**



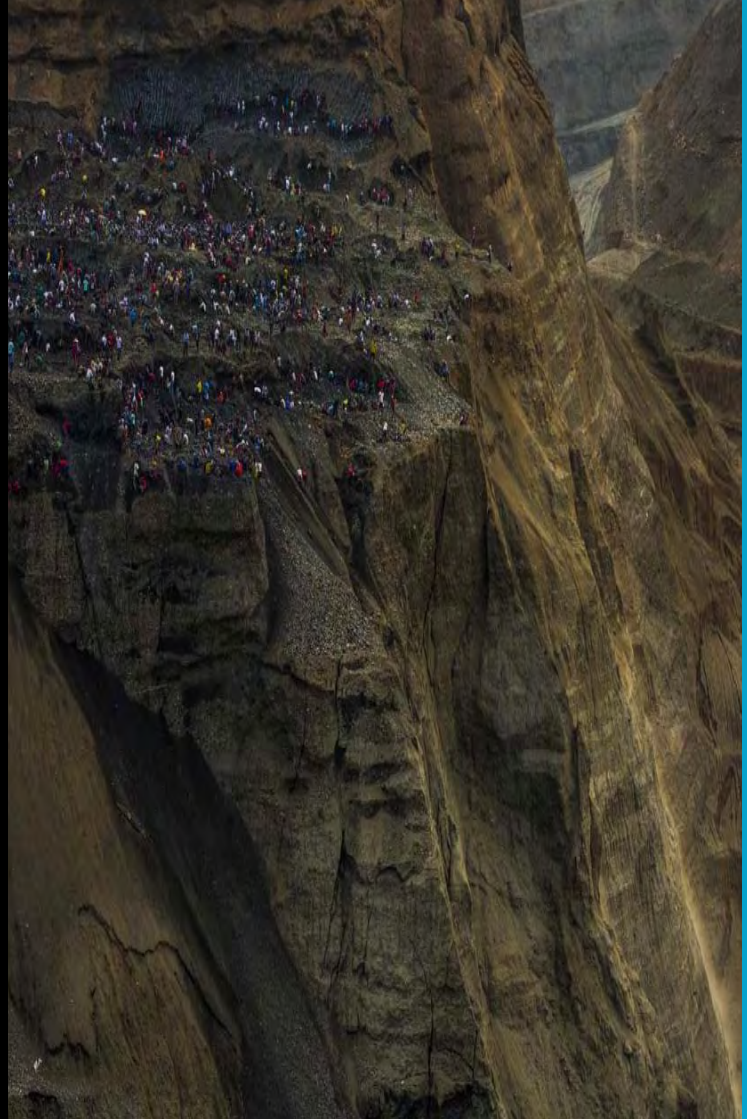
Jade  
**ORE TYPE**



Unknown  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

1 worker killed, approximately 20 others missing.





21 November 2015

## San Kat Kuu, Hpakant, Kachin state, Myanmar



Waste heap failure  
INCIDENT TYPE



Hlan Shan Myonwesu, Yadanar Yong Chi, Yadanar Aung  
COMPANY



Jade  
ORE TYPE



Unknown  
RELEASE (M³)

### IMPACTS

At least 113 people killed





5 November 2015

## Germano mine, Bento Rodrigues, distrito de Mariana, Região Central, Minas Gerais, Brazil



Tailings failure  
INCIDENT TYPE



Samarco Mineração S.A.  
COMPANY



Iron  
ORE TYPE



32,000,000  
RELEASE (M<sup>3</sup>)

### IMPACTS

Slurry wave flooded town of Bento Rodrigues, destroying 158 homes, at least 17 persons killed and 2 reported missing. The slurry polluted the North Gualaxo River, Carmel River and Rio Doce over 663km, destroying 15 square kilometers of land along the rivers and cutting residents off from potable water supply.







10 September 2014

## Herculano mine, Itabirito, Região Central, Minas Gerais, Brazil



Tailings dam failure  
INCIDENT TYPE



Herculano Mineração Ltda  
COMPANY



Iron  
ORE TYPE



Unknown  
RELEASE (M<sup>3</sup>)

### IMPACTS

Two workers killed and one missing.





7 August 2014

## Buenavista del Cobre mine, Cananea, Sonora, Mexico



Tailings collapse  
INCIDENT TYPE



Southern Copper Corp  
COMPANY



Copper  
ORE TYPE



40,000  
RELEASE (M<sup>3</sup>)

### IMPACTS

Flow into the 420km-long Bacanuchi river waterway, a tributary of the Sonora River, directly affecting 800,000 people.







**4 August 2014**

## Mount Polley mine, near Likely, British Columbia, Canada



Tailings dam failure  
**INCIDENT TYPE**



Imperial Metals Corp  
**COMPANY**



Copper, gold  
**ORE TYPE**



7,300,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

Tailings flowing into adjacent Polley Lake and, through Hazeltine Creek, into Quesnel Lake (Mitchell Bay).







2 February 2014

## Dan River Steam Station, Eden, North Carolina, USA



Tailings collapse  
INCIDENT TYPE



Duke Energy  
COMPANY



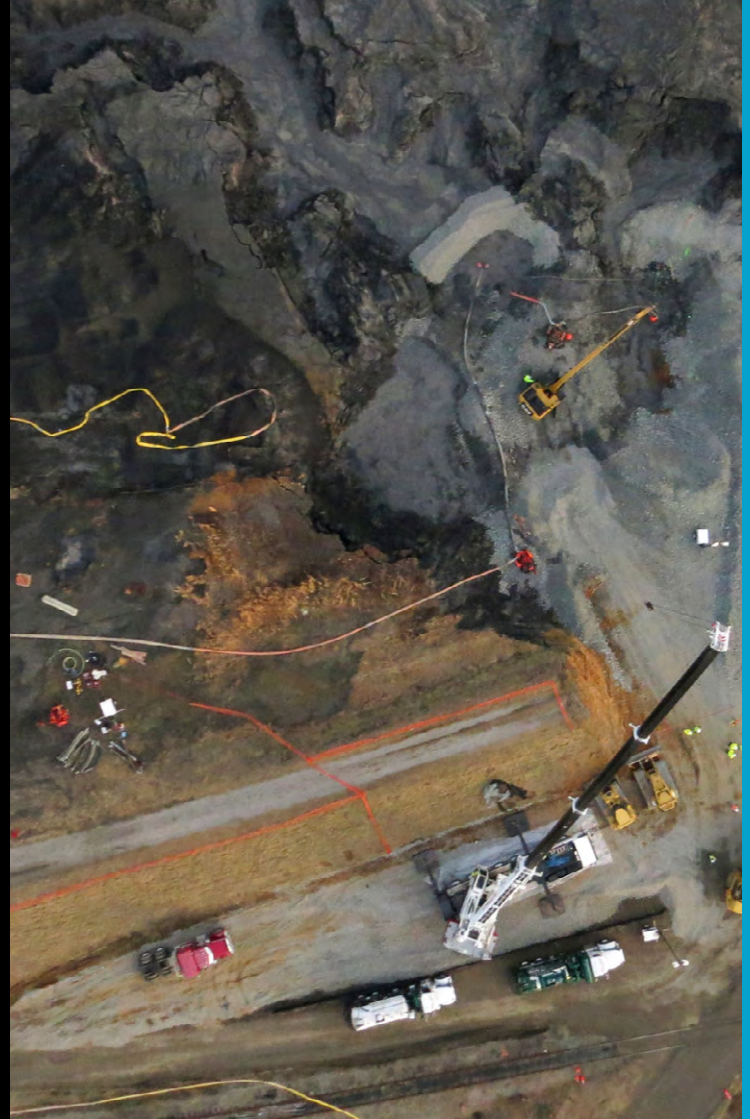
Coal ash  
ORE TYPE



82,000  
RELEASE (M<sup>3</sup>)

### IMPACTS

Ash flowing through drainage pipe into Dan River.





15-19 November 2013

## Zangezur Copper Molybdenum Combine, Kajaran, Syunik province, Armenia



Tailings pipeline damage  
**INCIDENT TYPE**



Cronimet Mining AG  
**COMPANY**



Copper, molybdenum  
**ORE TYPE**



Unknown  
**RELEASE (M³)**

### IMPACTS

Tailings flowing into Norashenik River for several days.





31 October 2013

## Obed Mountain Coal Mine, northeast of Hinton, Alberta, Canada



Breach of wall in containment pond  
**INCIDENT TYPE**



Sherritt International  
**COMPANY**



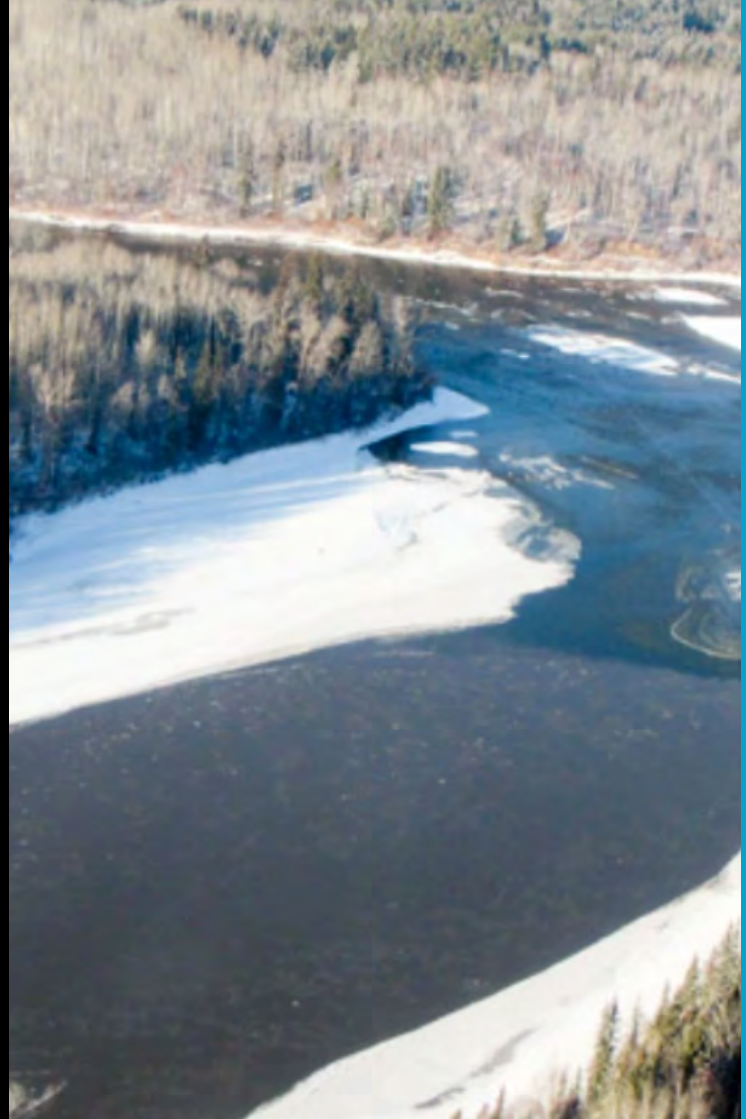
Coal  
**ORE TYPE**



670,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

Plume of slurry containing fine coal particles, clay and heavy metals into the Apetowun und Plate creeks and eventually the Athabasca River.







17 December 2012

## Former Gullbridge mine site, Newfoundland, Canada



Embankment dam failure  
**INCIDENT TYPE**



Unknown  
**COMPANY**



Copper  
**ORE TYPE**



Unknown  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

Non-consumption water advisory was issued for the Town of South Brook.





4 November 2012

## Sotkamo, Kainuu province, Finland



Leak from gypsum pond  
**INCIDENT TYPE**



Talvivaara Mining Company Plc  
**COMPANY**



Nickel, Uranium (by-product planned)  
**ORE TYPE**



Unknown  
**RELEASE (M³)**

### IMPACTS

Nickel and zinc concentrations in nearby Snow River exceeded the values that are harmful to organisms tenfold or even a hundredfold, uranium concentrations more than tenfold.





1 August 2012

## Padcal mine, Itogon, Benguet province, Philippines



Tailings pond breach  
**INCIDENT TYPE**



Philex Mining Corp.  
**COMPANY**



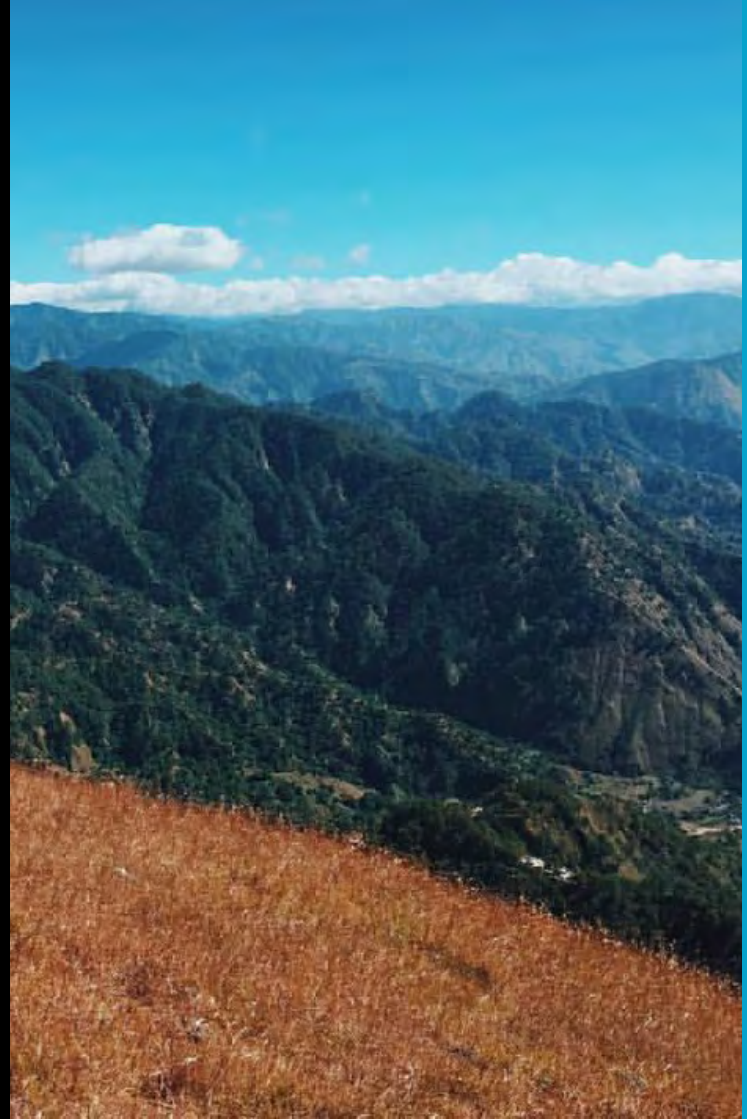
Copper, gold  
**ORE TYPE**



20,600,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

Tailings discharged into the Balog River, which flows to the Agno River.







21 July 2011

## Mianyang City, Songpan County, Sichuan Province, China



Tailings dam damage  
INCIDENT TYPE



Xichuan Minjiang Electrolytic Manganese Plant  
COMPANY



Manganese  
ORE TYPE



Unknown  
RELEASE (M³)

### IMPACTS

Tailings damaged residential roads and houses, forcing 272 people to leave. Tailings were washed into the Fujiang River, leaving 200,000 people without drinking water supply.





May 2011

## Bloom Lake mine, Fermont, Québec, Canada



Dam beach of tailings pond  
**INCIDENT TYPE**



Bloom Lake General Partner Ltd.  
**COMPANY**



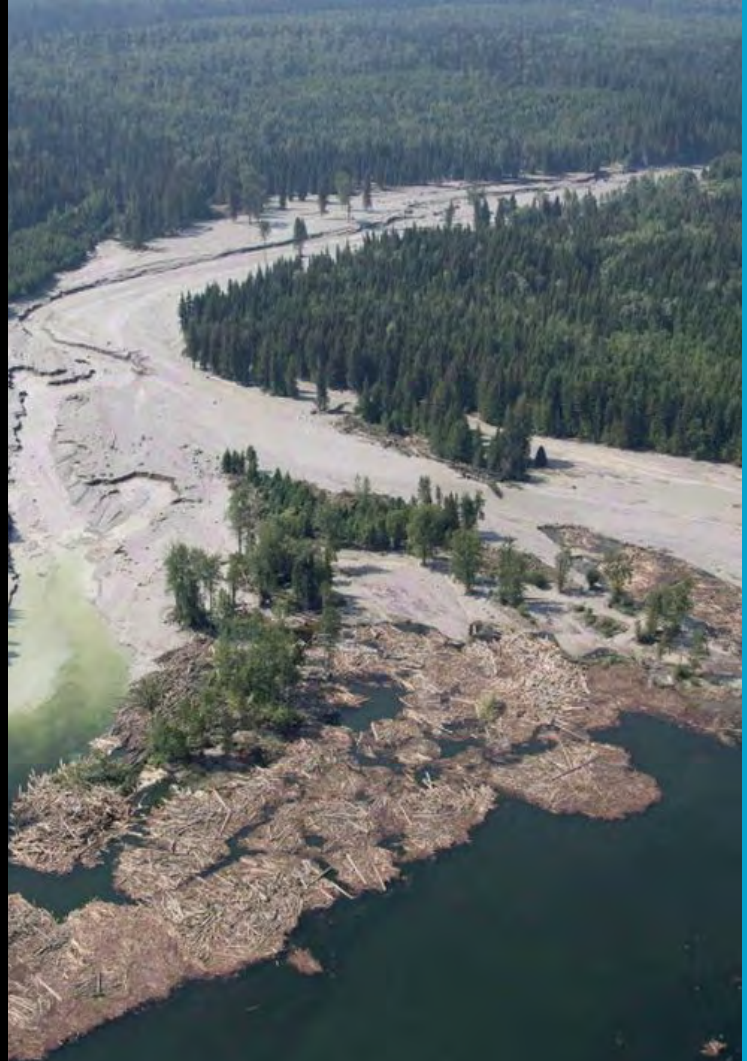
Iron  
**ORE TYPE**



200,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

Unknown





4 October 2010

## Kolontár, Hungary



Tailings dam failure  
INCIDENT TYPE



MAL Magyar Alumínium  
COMPANY



Bauxite  
ORE TYPE



700,000  
RELEASE (M<sup>3</sup>)

### IMPACTS

Several towns flooded, 10 people killed, approximately 120 people injured and 8 square kilometres flooded.







25 June 2010

## Huancavelica, Peru



Tailings dam failure  
INCIDENT TYPE



Unidad Minera Caudalosa Chica  
COMPANY



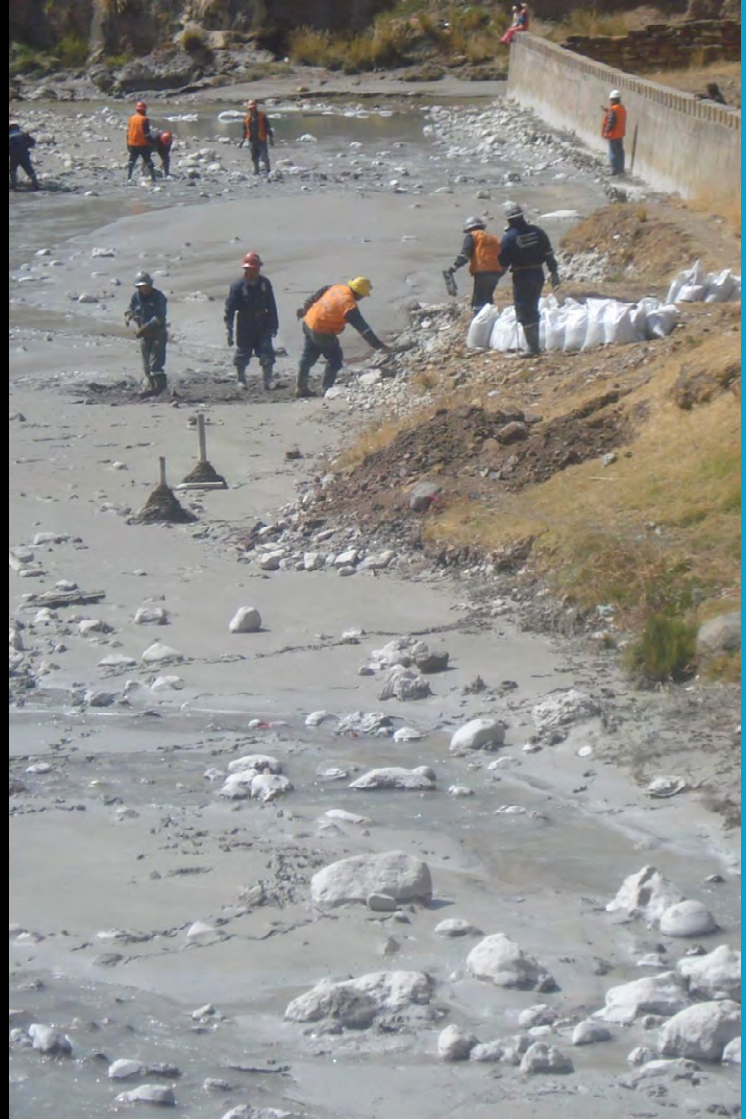
Unknown  
ORE TYPE



21,420  
RELEASE (M<sup>3</sup>)

### IMPACTS

Contamination of Río Escalera and Río Opamayo  
110km downstream.





29 August 2009

## Karamken, Magadan region, Russia



Tailings dam failure  
**INCIDENT TYPE**



Karamken Minerals Processing Plant  
**COMPANY**



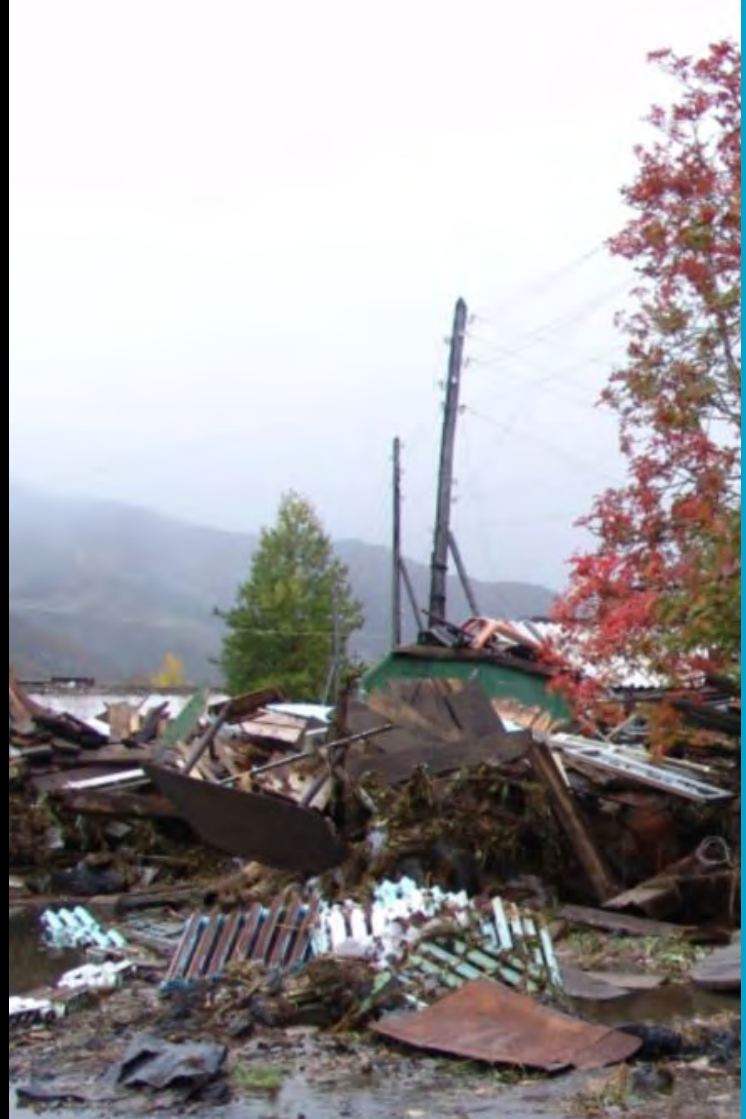
Gold  
**ORE TYPE**



150,000 tailings and 1,000,000 water  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

Eleven homes were carried away by the mudflow and at least one person was killed.





14 May 2009

## Huayuan County, Xiangxi Autonomous Prefecture, Hunan Province, China



Tailings dam failure  
INCIDENT TYPE



Unknown  
COMPANY



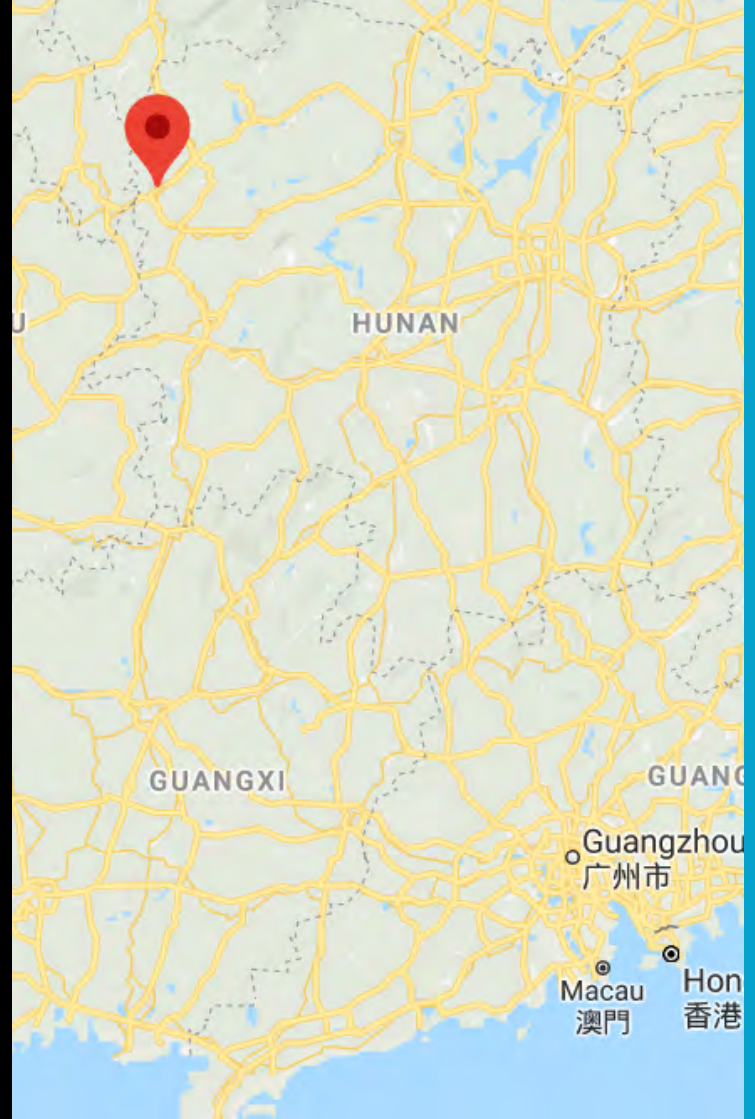
Manganese  
ORE TYPE



Unknown  
RELEASE (M<sup>3</sup>)

### IMPACTS

The landslide set off by the tailings dam failure destroyed a home, killing three and injuring four people.







27 April 2009

## Barcarena, Pará, Brazil



Overflow of drainage channels  
**INCIDENT TYPE**



Hydro Alunorte / Norsk Hydro ASA  
**COMPANY**



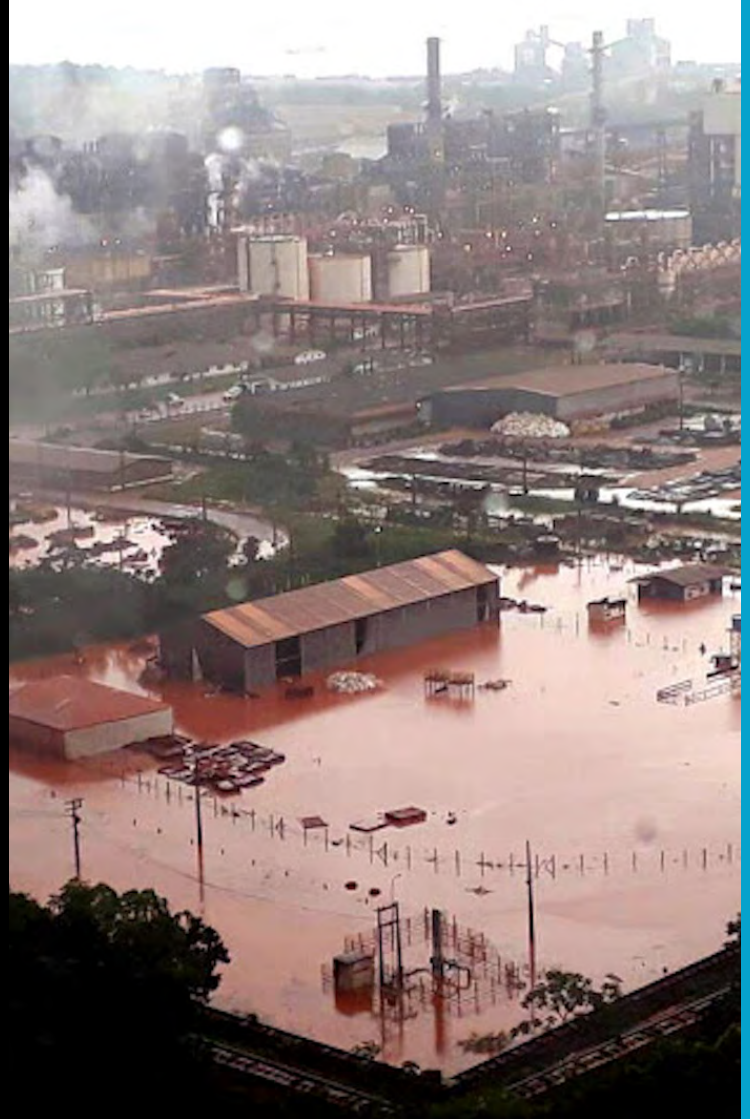
Bauxite  
**ORE TYPE**



Unknown  
**RELEASE (M³)**

### IMPACTS

Unknown





22 December 2009

## Kingston fossil plant, Harriman, Tennessee, USA



Retention wall failure  
**INCIDENT TYPE**



Tennessee Valley Authority  
**COMPANY**



Coal ash  
**ORE TYPE**



5,400,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

The ash slide covered 400 acres [1.6 square kilometres] as deep as 6 feet [1.83 metres]. The wave of ash and mud toppled power lines, covered Swan Pond Road and ruptured a gas line. It damaged 12 homes, and one person had to be rescued, though no one was seriously hurt.





8 September 2008

## Taoshi, Linfen City, Xiangfen county, Shanxi province, China



Waste-product reservoir collapse  
**INCIDENT TYPE**



Tashan mining company  
**COMPANY**



Iron  
**ORE TYPE**



190,000  
**RELEASE (M³)**

### IMPACTS

A mudslide several metres high flowed 2.5 km downstream, buried a market, several homes and a three-storey building. 277 people were killed and 33 injured.







10 January 2007

## Miraí, Minas Gerais, Brazil



Tailings dam failure  
**INCIDENT TYPE**



Mineração Rio Pomba Cataguases Ltda  
**COMPANY**



Bauxite  
**ORE TYPE**



2,000,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

The mud flow left about 4,000 residents of the cities of Miraí and Muriaé in the Zona da Mata homeless. Crops and pastures were destroyed and the water supply was compromised in cities in the states of Minas Gerais and Rio de Janeiro.





6 November 2006

## Nchanga, Chingola, Zambia



Tailings slurry pipeline failure  
**INCIDENT TYPE**



Konkola Copper Mines Plc (KCM) Vedanta Resources plc  
**COMPANY**



Copper  
**ORE TYPE**



Unknown  
**RELEASE (M³)**

### IMPACTS

Release of highly acidic tailings into Kafue river; high concentrations of copper, manganese, cobalt in river water; drinking water supply of downstream communities shut down.





30 April 2006

## Near Miliang, Zhen'an County, Shangluo, Shaanxi Province, China



Tailings dam failure  
INCIDENT TYPE



Zhen'an County Gold Mining Co. Ltd.  
COMPANY



Gold  
ORE TYPE



Unknown  
RELEASE (M<sup>3</sup>)

### IMPACTS

The landslide buried about 40 rooms of nine households, killing 17 residents. Five injured people were taken to hospital. More than 130 local residents were evacuated. Toxic potassium cyanide was released into the Huashui river, contaminating it approximately 5km downstream.







14 April 2005

## Bangs Lake, Jackson County, Mississippi, USA



Phosphogypsum stack failure  
**INCIDENT TYPE**



Mississippi Phosphates Corp  
**COMPANY**



Phosphate  
**ORE TYPE**



17,000,000  
**RELEASE (GALLONS)**

### IMPACTS

Liquid poured into adjacent marsh lands, causing vegetation to die.





5 September 2004

## Riverview, Florida, USA



Collapse of a dike at the top of a stack  
**INCIDENT TYPE**



Cargill Crop Nutrition  
**COMPANY**



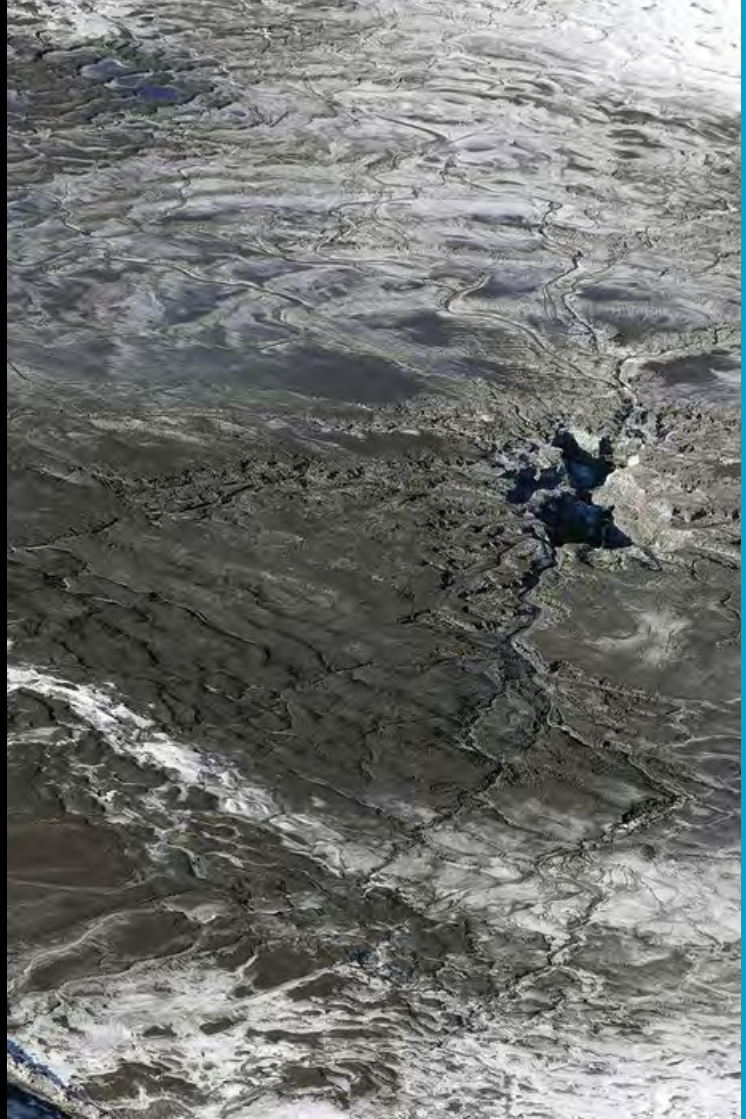
Phosphate  
**ORE TYPE**



227,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

60,000,000 gallons of acidic liquid spilled into Archie Creek that leads to Hillsborough Bay.





22 May 2004

## Partizansk, Primorski Krai, Russia



Dike break resulting in a hole in the dam  
**INCIDENT TYPE**



Dalenergo  
**COMPANY**



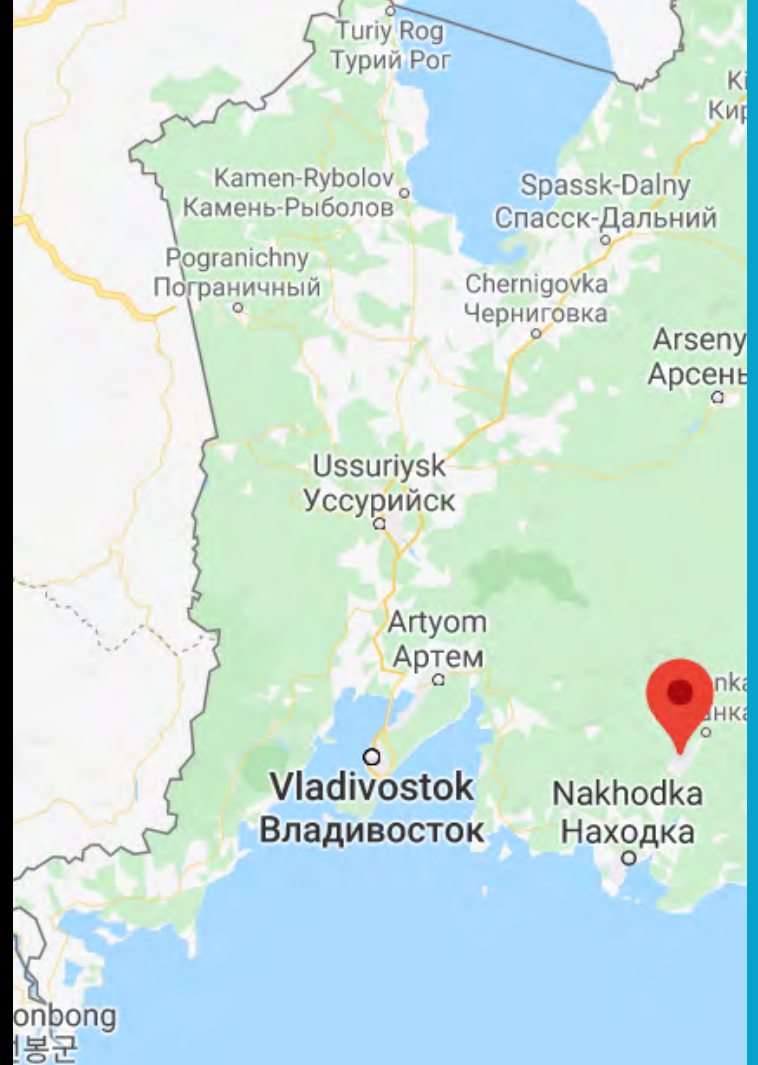
Coal ash  
**ORE TYPE**



160,000  
**RELEASE (M³)**

### IMPACTS

The ash flowed through a drainage canal into a tributary to the Partizanskaya River which empties in to Nahodka Bay in Primorski Krai (east of Vladivostok).







20 March 2004

## Malvésí, Aude, France



Dam failure  
INCIDENT TYPE



Comurhex (Cogéma/Areva)  
COMPANY



Uranium  
ORE TYPE



30,000  
RELEASE (M<sup>3</sup>)

### IMPACTS

Release led to elevated nitrate concentrations of up to 170 mg/L in the canal of Tauran for several weeks.





3 October 2003

## Cerro Negro, Petorca prov., Quinta region, Chile



Tailings dam failure  
**INCIDENT TYPE**



Cia Minera Cerro Negro  
**COMPANY**



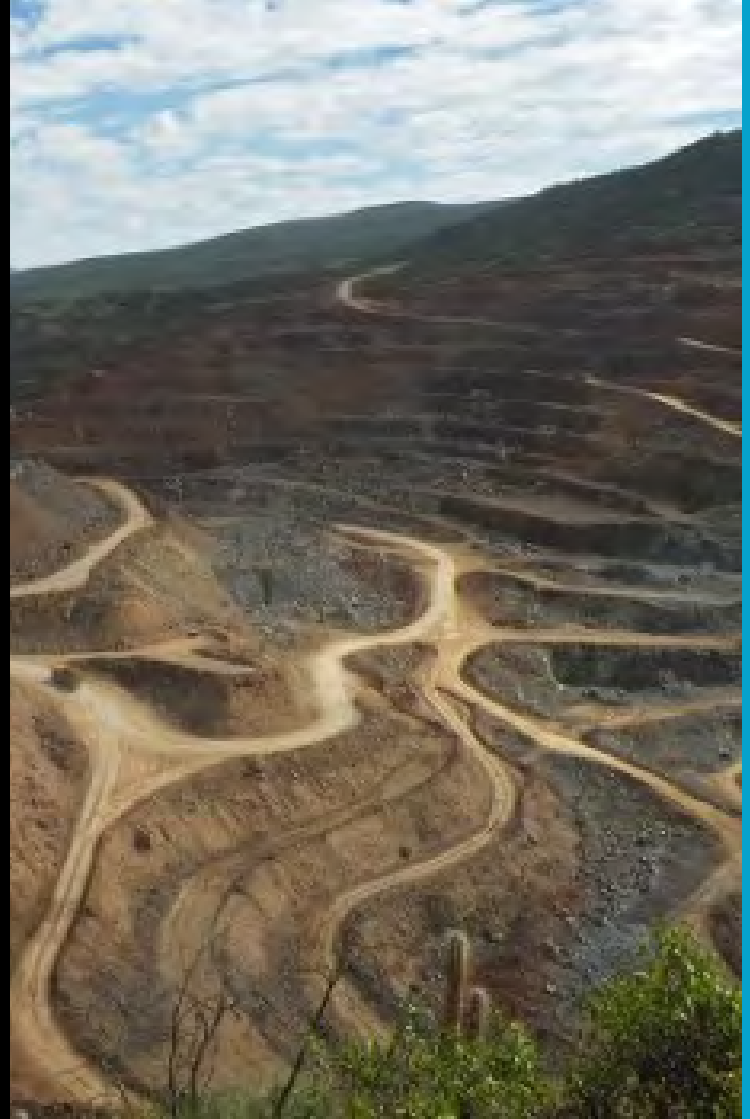
Copper  
**ORE TYPE**



50,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

Tailings flowed 20 kilometers downstream the río La Ligua.





27 August / 11 September 2002

## San Marcelino, Zambales, Philippines



Tailings collapse  
**INCIDENT TYPE**



Dizon Copper Silver Mines, Inc.  
**COMPANY**



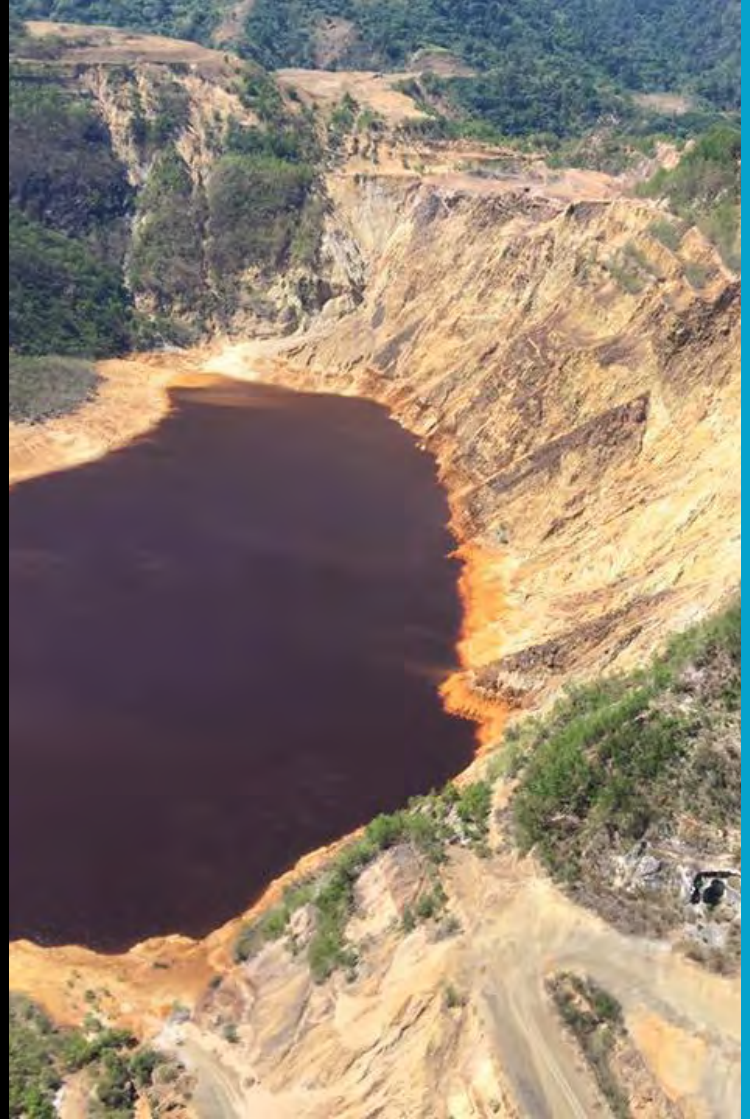
Unknown  
**ORE TYPE**



Unknown  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

On 27 August, some tailings spilled into Mapanuepe Lake and eventually into the Sto. Tomas River. On 11 September, low lying villages were flooded with mine waste. 250 families were evacuated.







22 June 2001

## Sebastião das Águas Claras, Nova Lima district, Minas Gerais, Brazil



Tailings collapse  
INCIDENT TYPE



Mineração Rio Verde Ltda  
COMPANY



Iron  
ORE TYPE



Unknown  
RELEASE (M³)

### IMPACTS

Tailings wave traveled at least 6km, killing at least two mine workers. Three workers went missing.





18 October 2000

## Nandan Tin mine, Dachang, Guangxi province, China



Failure of upstream dam  
INCIDENT TYPE



Unknown  
COMPANY



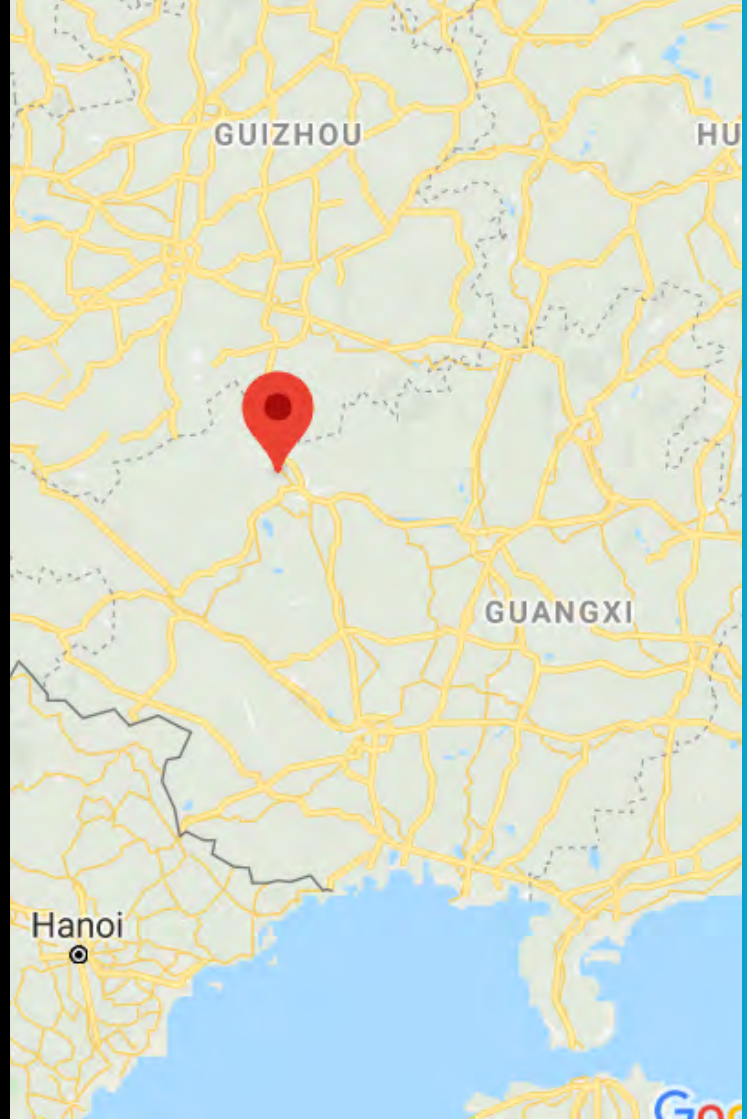
Tin  
ORE TYPE



Unknown  
RELEASE (M³)

### IMPACTS

28 people killed; more than 100 houses destroyed.





11 October 2000

## Inez, Martin County, Kentucky, USA



Tailings dam failure  
**INCIDENT TYPE**



Martin County Coal Corporation  
**COMPANY**



Coal  
**ORE TYPE**



950,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

About 75 miles (120 km) of rivers and streams turned an iridescent black, causing a fish kill along the Tug Fork of the Big Sandy River and some of its tributaries. Towns along the Tug were forced to turn off their drinking water intakes.







8 September 2000

## Aitik mine, Gällivare, Sweden



Tailings dam failure  
**INCIDENT TYPE**



Boliden Ltd  
**COMPANY**



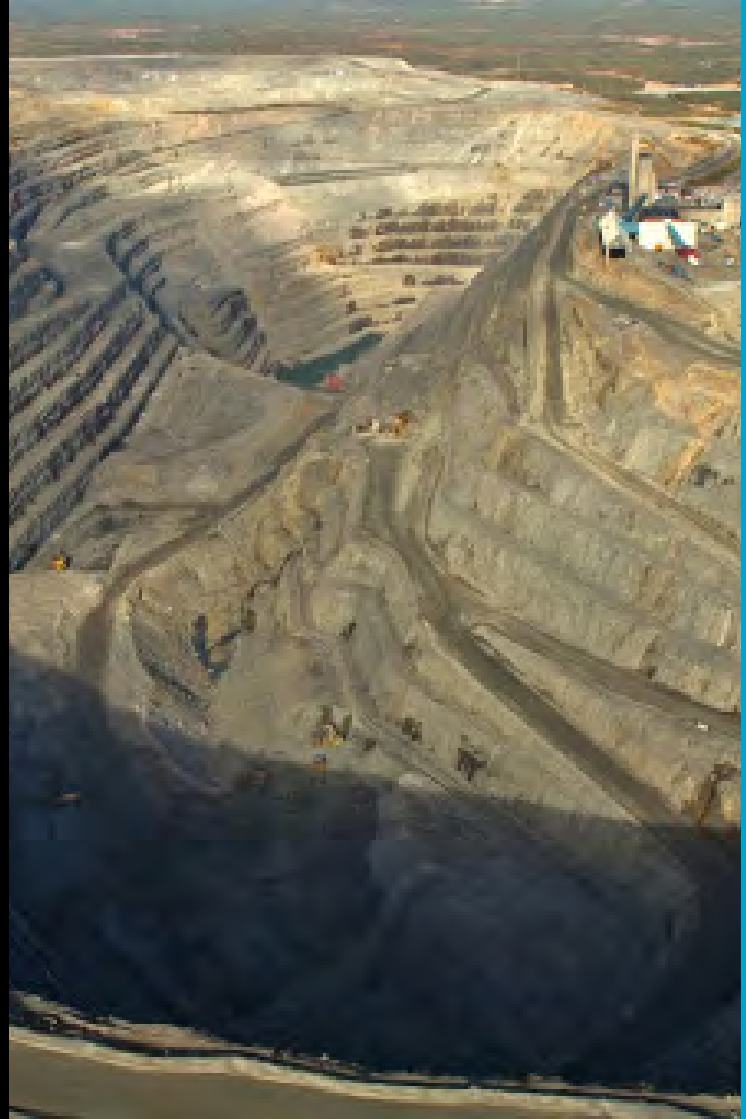
Copper  
**ORE TYPE**



2,500,000  
**RELEASE (M<sup>3</sup>)**

### IMPACTS

Release of 2,500,000m<sup>3</sup> of liquid into an adjacent settling pond, subsequent release of 1,500,000m<sup>3</sup> of water (carrying some residual slurry) from the settling pond into the environment.





10 March 2000

## Borsa, Romania



Tailings dam failure  
**INCIDENT TYPE**



Remin S.A.  
**COMPANY**



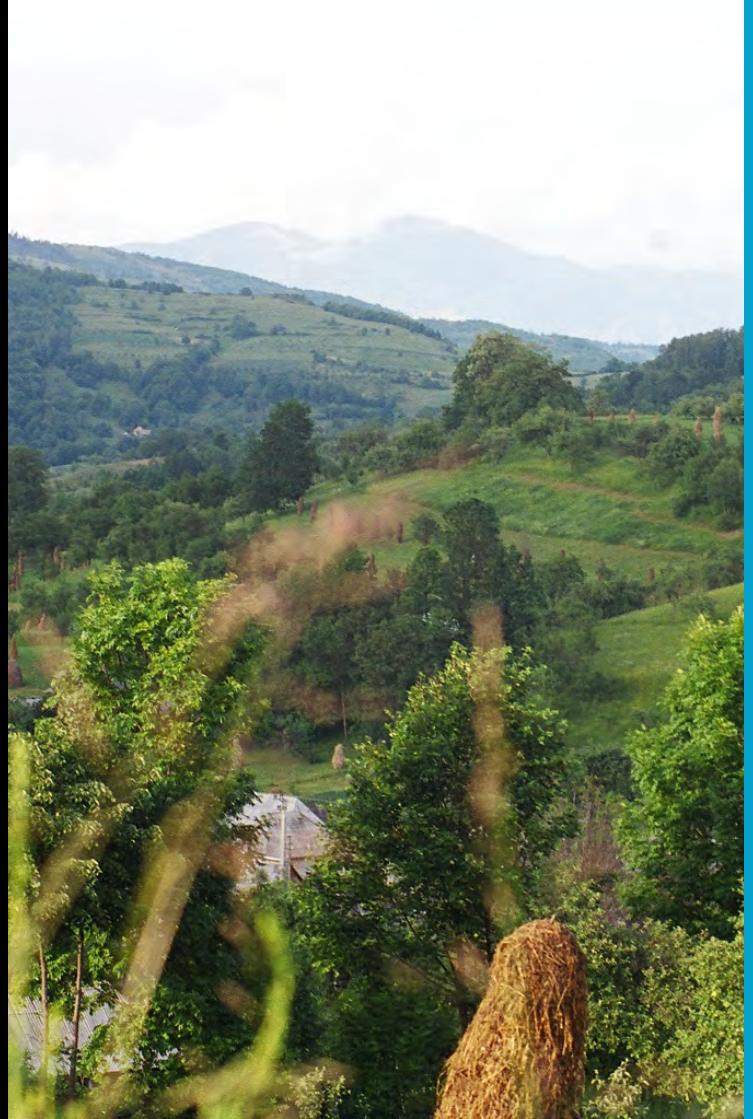
Cyanide  
**ORE TYPE**



22,000  
**RELEASE (TONNES)**

### IMPACTS

Contamination of the Vaser stream, tributary of the Tisza River.





30 January 2000

## Baia Mare, Romania



Tailings dam crest failure  
**INCIDENT TYPE**



Aurul S.A. (Esmeralda Exploration)  
**COMPANY**



Gold  
**ORE TYPE**



100,000  
**RELEASE (M³)**

### IMPACTS

Contamination of the Somes/Szamos stream, tributary of the Tisza River, killing tonnes of fish and poisoning the drinking water of more than 2 million people in Hungary.





The logo for k2fly, featuring the text 'k2fly' in a red, lowercase, sans-serif font. The background of the entire image is a stylized, low-poly mountain range in shades of blue and teal, with a light sky at the top.

**Web**

---

[www.k2fly.com](http://www.k2fly.com)



**Phone**

---

**(08) 6333 1833**



**Locations**

---

**Australia. Africa. North America**