



RioTinto | **Kennecott**

Precious Metals By-Products

At Rio Tinto Kennecott (RTK), we take pride in responsibly producing critical minerals and other minor metals. As one of the world's leading mining companies, we are constantly striving for new methods to improve our processes, and to extract and obtain new minerals, such as copper telluride, crude selenium and lead carbonate.

An increasingly valuable by-product of copper smelting, tellurium is an essential component of cadmium telluride, which is a semiconductor used to manufacture thin film photovoltaic solar panels.

Our Kennecott copper operation is one of only two U.S. producers of this critical mineral, contributing significantly towards a clean energy transition.

Our other by-products, crude selenium and lead carbonate, also have important roles in industry.

Selenium is commonly used in the glass manufacturing industry to produce pigments, while lead carbonate is used for manufacturing batteries.

RTK is a fully integrated copper mining operation, enabling us to maintain our high quality standards across the production process of these minerals. Our world class safety performance demonstrates our rigorous dedication to our customers, employees, and surrounding communities.



Copper telluride



Crude selenium



Lead carbonate



About Rio Tinto and our Kennecott operations

Rio Tinto is one of the world's leading metals and mining companies with a global workforce of over 49,000 and an extensive portfolio of operating assets spanning across Australia, Asia, North and South America, Europe and Africa.

We produce iron ore, aluminum, copper, gold, silver, molybdenum, tellurium, selenium, diamonds, and industrial minerals. Many of our materials are essential for the low-carbon transition and for advancing human progress.

As a subsidiary of Rio Tinto, Rio Tinto Kennecott (RTK) has been mining and processing minerals from the rich ore body of the Bingham Canyon Mine at Salt Lake City, Utah for nearly 120 years. It is one of only two US smelters currently operating in the country, making it a critical asset for ensuring supply of copper.

RTK produces copper cathode, molybdenum, gold, silver, tellurium, selenium, carbonate and sulfuric acid, and ships those products around the world to meet customers' needs.



Sustainability

At Rio Tinto, sustainability is more than a catch phrase. Aligning our business strategy and daily practices around sustainability enables us to strengthen our operations and products, build enduring communities, and provide lasting benefit to customers, employees, and stakeholders.

Companywide, we have committed to achieving net zero emissions by 2050 and target a 15% reduction of scope 1 and 2 emissions by 2025, with a 50% reduction by 2030*.

At our Kennecott site, we moved to renewable energy in 2019, which reduced our carbon footprint by as much as 65%**.

In 2020, we became the first mine in the world to be awarded the Copper Mark, the industry's first and only independent assurance framework- verifying that the copper is responsibly produced.

Safety

Safety is our number one priority at Rio Tinto. Our goal is for everyone to go home safe at the end of each day. We have global safety standards which address key areas of risks, and they provide consistency in safety management and performance across our global operations and projects. Our businesses are audited internally against these standards and are expected to meet safety performance requirements and targets.

Our commitment to safety has enabled us to achieve a safety performance which is higher than the industry average for all injury frequency rates.

Rio Tinto | Kennecott

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References

* Visit <https://www.riotinto.com/en/sustainability/climate-change> to learn more about Rio Tinto's sustainability commitments.

** Learn more about our Kennecott operations here: <https://www.riotinto.com/operations/us/kennecott>