

Geotechnical Engineer

- **A company with a world-class reputation for safety and performance**
- **Foster a collaborative team environment built on strong work ethics**
- **Excellent opportunity to develop your career and further develop your technical expertise – Salt Lake City, UT**

We are looking for a **Geotechnical Engineer** to be responsible for the site management of design parameters, reading and interpretation of technical instrumentation (piezometers, inclinometers, accelerometers, etc.), reporting quarterly and annual reports to management and government regulators. Ensuring that the best data is utilized in all geotechnical analyses during the Tailings construction and operations.

The intent of the roles is to provide core geotechnical experience and tailings characterization knowledge.

Located in Magna, Utah (20 miles west of Salt Lake City, Utah) and this position reports to the Technical Principal Advisor for Tailings & Water Services. You will have opportunity to coordinate and report:

- Coordination with Engineer of Record (EOR) on design changes and geotechnical risk mitigations
- Interpretation of embankment geotechnical design parameters
- Reading technical instrumentation (piezometers, inclinometers, accelerators, etc.)
- Processes, analyses and models geotechnical monitoring data to understand the response of deposition and embankment cell construction to ensure stability.
- Provide analysis and interpretation of geotechnical instrumentation to direct “Observational Method” of construction of tailings embankment.
- Oversee execution and implementation of QA/QC program
- Monitoring and managing tailings acid rock drainage (ARD), including analysis and interpretation
- Maintain Automated System for piezometer and geotechnical instrumentation
- Demonstrated ability to implement and manage continuous improvement processes
- Effective and authoritative communication and coaching skills
- Effective time management and personal organizational skills
- Demonstrate an open minded genuine curiosity towards understanding the needs of business and the impact of applied solutions
- Able to work alone and to take and apply feedback
- Proven stakeholder management experience

About you

To succeed in this role, you will have:

- Undergraduate degree in Geotechnical, Geological, Mining or Civil Engineering is essential
- Plus 2-4 years’ relevant operating and technical experience
- Relevant industry training in the fields of Geotechnical Engineering
- Some experience on tailings construction or dam construction
- Experience with slope monitoring systems and geo-hazard management
- Knowledge of geotechnical software packages

It will also be beneficial if you have:

- Leadership, project experience, good verbal and written communication, adaptability, accountability, computer literacy, and problem solving skills.
- Innovation management, decision making, process management, collaborative and team-oriented management style.

Where you will be working

Rio Tinto Kennecott is a fully integrated mining operation located just outside Salt Lake City, Utah, US. Kennecott is a wholly owned subsidiary of Rio Tinto. For more than 110 years, Kennecott has been mining and processing minerals from the rich orebody of the Bingham Canyon Mine. Kennecott is a strong economic driver and strives to be a valuable community partner through strategic partnerships, charitable giving and sustainable development practices.

About us

As pioneers in mining and metals, we produce materials essential to human progress.

Our long history is filled with firsts. We've developed some of the world's largest and best quality mines and operations, and our 47,000 people work in around 35 countries across six continents. Aluminium, copper, diamonds, and industrial minerals, iron ore and uranium: our materials make up the world around us. You'll find them in smartphones, planes, cars, hospitals and throughout your home appliances.

Creating an inclusive and diverse workforce

We are a diverse team of talented, enthusiastic individuals who foster a culture of inclusion. No matter how they may differ, our people share one thing in common. It's a belief that work is more rewarding when we are accepted and valued for our differences, not judged by them. We all have something to contribute, and it's this contribution that makes for a great organization and fulfilling career.

So if this sounds like you and the opportunity you are looking for, apply now.

Please note, in order to be successfully considered for this role you must complete all pre-screening questions.

To apply, visit the following site: <https://jobs.riotinto.com/ShowJob/JobId/416095/EngineerGeotechnical>

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