

Auld Creek Project

TAILINGS MANAGEMENT

Overview

If the Auld Creek Project is approved, Rua Gold will be required to manage waste generated from the processing plant commonly referred to as “Tailings”, this material will be stored in an Integrated Waste Facility (IWF).

Rua Gold engaged global engineering firm Knight Piesold to design the storage facility which will be dry stack which means the facility will store filtered mine waste as a stable, unsaturated solid rather than a wet slurry, a practice strongly supported by the International Council on Mining and Metals (ICMM).

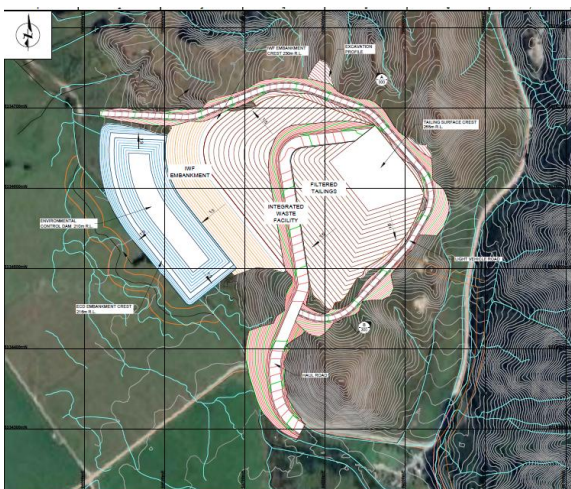
Rua Gold will be expected to comply with specific consent conditions for the management of waste and water. Under the conditions of those consents, Rua Gold will be expected to submit a Tailings Management Plan which will be supported by a Water Management Plan.

KEY EFFECTS

The project area is situated in a high-rainfall, high-seismicity environment, presenting notable geotechnical and operational challenges that strongly influence the design basis. The IWF design has been developed in accordance with ANCOLD and NZSOLD dam safety guidelines, with reference to ICOLD bulletins, the Global Industry Standard on Tailings Management (GISTM), and the Canadian Dam Association (CDA) guidelines.

The IWF will contain the following waste products generated by the mine and processing plant:

- Tailings - finely ground waste rock which will be filtered to remove the majority of the water and processing chemicals prior to disposal in the IWF.
- Water treatment sludge – precipitates and sediments generated from the treatment of contaminated water at the site to allow release of treated water back to the environment. The sludge will be filtered to remove the majority of the water prior to disposal in the IWF.
- Waste rock – generated from the excavation works required to form the IWF basin, this will be placed in the IWF embankment zone.



Overview of IWF design

For questions, concerns or feedback, contact the Rua Gold team

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