

December 2024

INFORMATION SHEET

FIMISTON III TAILINGS STORAGE FACILITIES

- Kalgoorlie Consolidated Gold Mines (KCGM) Operations is seeking approval under the *Environmental Protection Act 1986*, to develop the Fimiston South Project (Project).
- An expansion of the Fimiston IIE Tailings Storage Facility to include a third cell, and a new Fimiston III Tailings Storage Facility are both vital to provide additional supporting infrastructure for this Project.
- Ore is hauled from Fimiston Open Pit (Super Pit) via haul trucks to Fimiston Processing Plant for processing. Waste rock is used to construct Waste Rock Dumps (WRD) adjacent to the pit and processed tailings are deposited in designated Tailings Storage Facilities (TSFs).
- The approvals process is progressing, with works proposed to commence in the first half of FY25.
- The KCGM Mill Expansion project to increase processing capacity from 13Mtpa to 27Mtpa will unlock value for tomorrow and increase production from 650kozpa in FY26 to ~900kozpa from FY29. Tailings Storage Facilities to manage this increase in production is a key part of the growth puzzle.

OVERVIEW

Northern Star Resources Ltd (Northern Star) is seeking approval from the Department of Energy, Mines, Industry Regulation and Safety (DEMIRS) in accordance with the *Mining Act 1978* and associated tenement conditions to commence the expansion of mining activities at Fimiston Operations.

Fimiston Operations currently mines between 80 to 90 million tonnes of material per annum from the Fimiston Open Pit, stockpiles and Mt Charlotte Underground. More than 13 million tonnes of ore per annum is processed through the Fimiston Processing Plant. Approximately 13 million tonnes of (dry solid) tailings are currently produced annually from processing operations and deposited across various TSFs. This is expected to ramp up over the next few years. WRDs are situated adjacent to the Super Pit with some areas under rehabilitation. Other facilities include infrastructure corridors, landfills, workshops and laydown areas.

TSF Design

The Fim III TSF cells have been designed to the relevant codes and guidelines including the Department of Mines, Industry Regulation and Safety Code of Practice 2013 (DEMIRS 2013) and the Australian National Commission on Large Dams Guidelines 2012 (ANCOLD 2012).

Groundwater monitoring is routinely undertaken in accordance with Prescribed Premises Licence L5946/1988/13 administered by the Department of Water and Environmental Regulation (DWER).

Further details of Northern Star's Management of Tailing Storage Facilities are available in our [Fimiston Seepage And Groundwater Management Plan](#), available to view on the Super Pit website.

Regulatory Approvals

KCGM will be seeking approval from the DWER and the DEMIRS in accordance with the *Environmental Protection Act 1986* and the *Mining Act 1978*.

The Project will increase the development envelope from the currently approved 5,914 ha to 7,795 ha, to allow for the expansion of infrastructure and mining activities. All clearing undertaken will be completed as authorised by Schedule 6 of *Environmental Protection Act 1986*, which allows clearing of native vegetation undertaken as part of a proposal implementation assessed by the EPA.

An indicative map of the proposed TSFs is below:

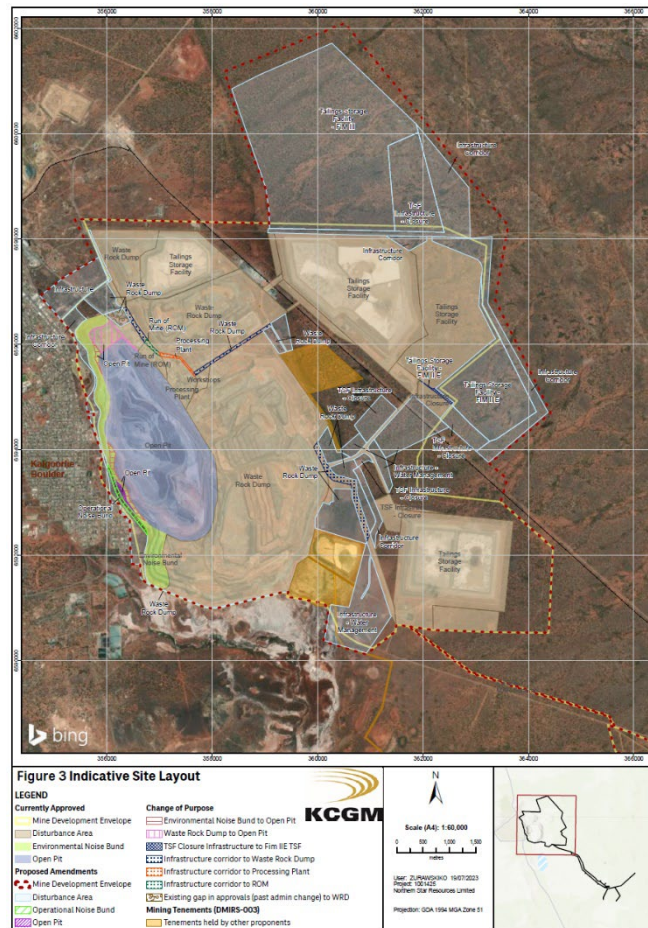


Figure 1: Fim IIE and Fim III TSP Indicative Site Layout

QUESTIONS OR FEEDBACK?

Northern Star will be engaging closely with businesses and residents in the Boulder area throughout all stages of the Fimiston South Project to understand community concerns and collate feedback. We will also be hosting regular community information sessions and undertaking local advertising of key stages of the Project.

For questions or concerns, please contact:

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Local Voices Survey: voconiqlocalvoices.com/kalgoorlie-boulder