



## FIMISTON II TSF EXTENSION PROJECT

KCGM is proposing to construct a new Tailings Storage Facility (TSF) at its Fimiston Gold Mine Operations (Fimiston) located adjacent to the City of Kalgoorlie-Boulder.

Tailings generated by the Fimiston Processing Plant are currently disposed of into the Fimiston I, Fimiston II and Kaltails TSFs.

This project will comprise construction of a new two cell TSF neighbouring the current Fimiston II TSF (Fimiston II TSF Extension).

The total design storage capacity is estimated to provide an additional ~94 Million tonnes storage capacity until ~2034

### Environmental Assessment

Potential environmental impacts from the proposed project have been assessed to determine if construction and operation of the Fimiston II TSF Extension would cause any significant detrimental effects on the environment.

The results show that the proposal is unlikely to result in any significant additional or different impacts to the environment, except for the EPA Environmental Factors for flora and vegetation, and terrestrial fauna.

The proposed Fimiston II TSF Extension Project will increase the spatial footprint of the existing Development Envelope, approved under Ministerial Statement 782, by 272 ha.

Clearing of native vegetation within the Development Envelope will be required for the TSF, topsoil stockpiles, access roads, perimeter fencing, laydown yards, stormwater management infrastructure and closure related activities.

Flora, vegetation and fauna baseline assessments have been undertaken. All the vegetation associations proposed for clearing are common and widespread throughout the region.

However, the proposed change will require removal of three individuals of Priority 2 flora species *Eremophila praecox*.

Clearing associated with the Fimiston II TSF Extension is not expected to have a significant impact on the conservation status of this species because it occurs across a broad habitat range (4000-9900 square kilometres) and additional populations occur in remnant vegetation and in four local conservation reserves.

### TSF Design.

The Fimiston II TSF Extension has been designed to the relevant codes and guidelines including the Department of Mines, Industry Regulation and Safety Code of Practice 2013 (DMIRS 2013) and the Australian National Commission on Large Dams Guidelines 2012 (ANCOLD 2012).

### Regulatory Approvals

KCGM will be submitting the following approval applications, to authorise clearing of native vegetation, construction works and operation of the TSF.

- Change to Proposal to Ministerial Statement 782, under section 45C (Part IV) of the EP Act.
- Mining Proposal under the *Mining Act 1978*.
- Works Approval under Part V of the EP Act.
- Amendment to Prescribed Premises Licence L6420/1988/14 under Part V of the EP Act.

### Further Information

If you have questions or concerns regarding the Fimiston II TSF Extension Project please contact the KCGM Public Interaction Line on 9022 1100.