



Ass # 248
Bull # 539
State # 188

WESTERN AUSTRALIA
MINISTER FOR THE ENVIRONMENT

1.04/87

**STATEMENT THAT A PROPOSAL MAY BE IMPLEMENTED
(PURSUANT TO THE PROVISIONS OF THE
ENVIRONMENTAL PROTECTION ACT 1986)**

FIMISTON PROJECT STAGE II - MINE AND WASTE DUMPS (248)

KALGOORLIE CONSOLIDATED GOLD MINES PTY LTD

This proposal may be implemented subject to the following conditions:

1. In implementing the proposal, the proponent shall fulfil the commitments (which are not inconsistent with the conditions or procedures contained in this statement) made in the Consultative Environmental Review. (A copy of the commitments is attached).
2. Subject to these conditions, the manner of detailed implementation of the proposal shall conform in substance with that set out in any designs, specifications, plans or other technical material submitted by the proponent to the Environmental Protection Authority with the proposal. Where, in the course of that detailed implementation, the proponent seeks to change those designs, specifications, plans or other technical material in any way that the Minister for the Environment determines on the advice of the Environmental Protection Authority, is not substantial, those changes may be effected.
3. The proponent shall, within 12 months of the date of this statement, prepare and subsequently implement brief annual rehabilitation plans for the Fimiston operations to the satisfaction of the Department of Mines on advice from the Golden Mile Mining Development Planning Committee.
4. Until 31 December 1991, the proponent shall operate the project in such a manner as to achieve reasonable noise levels in surrounding residential areas to the satisfaction of the Minister for the Environment. From 1 January 1992, the proponent shall meet noise level standards to be set by the Minister for the Environment in consultation with the Minister for Mines and the City of Kalgoorlie/Boulder. Should these standards not be available by that date, then the proponent shall meet interim noise level standards set by the Environmental Protection Authority.
5. In order to ensure that there are no unacceptable detrimental effects from noise, vibration and dust from this project on the amenity of nearby residents, the proponent shall, within 6 months of the date of this statement, prepare and subsequently implement a noise and vibration monitoring and management programme to the satisfaction of the Environmental Protection Authority and a dust monitoring and management programme to the satisfaction of the Environmental Protection Authority on advice from the Goldfields Dust Abatement Committee.

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6. Prior to the dumping of waste on the proposed north-east or south-east waste dumps within 500 metres of residences, the proponent shall prepare and implement a management plan for waste dumping to ensure that there is no unacceptable detrimental effect on the residents, to the satisfaction of the Minister for the Environment on advice from the Environmental Protection Authority.
7. The proponent shall ensure that there are no unacceptable detrimental effects upon the environment resulting from leakage of hypersaline borewater along the Gidgi or Lakewood borefield systems. Accordingly, within six months of the date of this statement, the proponent shall prepare and implement a review of the operation of the borefields and pipelines to the satisfaction of the Environmental Protection Authority on advice from the Water Authority of Western Australia. This review shall include proposals for improved design, maintenance and monitoring for these facilities.
8. The proponent shall be responsible for decommissioning and removal of the plant and installations and rehabilitating the site and its environs, to the satisfaction of the Environmental Protection Authority. At least six months prior to decommissioning, the proponent shall prepare and subsequently implement a decommissioning and rehabilitation plan, to the satisfaction of the Department of Mines on advice from the Golden Mile Mining Development Planning Committee.
9. No transfer of ownership, control or management of the project which would give rise to a need for the replacement of the proponent shall take place until the Minister for the Environment has advised the proponent that approval has been given for the nomination of a replacement proponent. Any request for the exercise of that power of the Minister shall be accompanied by a copy of this statement endorsed with an undertaking by the proposed replacement proponent to carry out the project in accordance with the conditions and procedures set out in the statement.
10. If the proponent has not substantially commenced the project within five years of the date of this statement, then the approval to implement the proposal as granted in this statement shall lapse and be void. The Minister for the Environment shall determine any question as to whether the project has been substantially commenced. Any application to extend the period of five years referred to in this condition shall be made before the expiration of that period, to the Minister for the Environment by way of a request for a change in the condition under Section 46 of the Environmental Protection Act. (On expiration of the five year period, further consideration of the proposal can only occur following a new referral to the Environmental Protection Authority).

Bob Pearce, MLA
MINISTER FOR THE ENVIRONMENT

24 OCT 1991

PROPONENT'S COMMITMENTS

FIMISTON PROJECT STAGE II - MINE AND WASTE DUMPS (248)

KALGOORLIE CONSOLIDATED GOLD MINES PTY LTD

The proponent has made the following environmental commitments:

1. KCGM will prepare and implement, by December 1992, an Environmental Management Programme (EMP) for all of its operations in agreement with the Environmental Protection Authority and the Department of Mines.
2. KCGM undertakes to prepare annual reports of the Mining and Rehabilitation sub-programme of the broader EMP, as agreed with the EPA and the Department of Mines.
3. KCGM undertakes to continue an ongoing programme of geotechnical investigations for slope stability purposes and report the findings of these investigations to the Department of Mines.
4. KCGM will develop a surface drainage system incorporating sediment detention systems and a water quality monitoring programme. The results of the sampling will be included within the annual report and updated annually.
5. In association with the Goldfields Dust Abatement Committee and Kaltails, KCGM will install and support a Dust Monitoring Programme within the Kalgoorlie-Boulder area. The data obtained will be made available to the EPA via the Goldfields Dust Abatement Committee.
6. KCGM will undertake a programme of noise monitoring to ensure continued compliance with occupational health and public nuisance noise requirements. If considered necessary an ongoing monitoring strategy will be devised.
7. KCGM will implement a progressive rehabilitation programme as outlined in section 4.3 as agreed with the EPA in consultation with the Department of Mines.

Attachment to Statement 188 Change to Description of Proposal

Proposal: Partial Realignment of the Environmental Noise Bund and Loopline Railway Access

Proponent: Kalgoorlie Consolidated Gold Mines (KCGM)

Change:

- Realignment of part of the existing Environmental Noise Bund (ENB) including an access ramp for the Loopline Railway (Figure 1).
- This ENB realignment is required to ensure that protection for the community from mine noise is maintained if KCGM gains approval for a western cutback of the Fimiston Open Pit (called the Golden Pike Cutback (GPC)). Approval of the realignment of the ENB does not guarantee that the GPC will also be approved.
- The ENB realignment has provided a unique opportunity for the Loopline Society by creating an access for the Loopline Railway to run along part of the top of the ENB. This will provide patrons with views of the City of Kalgoorlie-Boulder, KCGM operations and access to the relocated Super Pit Lookout. KCGM is committed to long-term tourism development, and the continuation of the Loopline heritage feature as part of the Conceptual Mine Closure Strategy.
- The ENB will be built in four phases to allow for construction and commissioning of the Loopline Railway along the top of the bund (Figure 2). This also allows for the construction of a new Super Pit Lookout prior to the removal of the current Lookout. At this early stage the Lookout building will not be the final structure.
- Contingency options have been incorporated into the design of the ENB if the GPC does not proceed. These options are as follows:
 - GPC cancelled during or after Phase A but before Phase B - the southern end of the ENB would be extended east and married in to the existing ENB. The Super Pit Lookout could either be moved to the realigned ENB to provide a Lookout for the Loopline Railway or the existing Lookout would remain. No southern ramp would be constructed for the Loopline Railway, instead it would be recommended that a rail junction be installed at the base of the northern ramp and run a second track around the base of the existing ENB. The Loopline Railway could still continue up onto part of the realigned ENB from the north.
 - GPC cancelled during or after Phase B but before Phase C - reclamation of the existing ENB would cease and the exposed face would be rehabilitated. The position of the Lookout would have to be reviewed to determine if its location is adequate for the long-term needs of the community. If, due to the location of the remaining original ENB, the Lookout is not adequate then either more of the existing ENB may need to be removed, or the Lookout pad may need to be extended further to the east. Alternatively the existing Super Pit Lookout could be utilised as a final location with a more permanent structure.
- The existing KCGM Super Pit Tourist Lookout has become a major tourist attraction for the Goldfields with approximately 10,000 visitors per month. The current Lookout is a basic structure with a large car park / lay down area and has a footprint width of around 160m.
- The new Super Pit Lookout will be constructed at a location along the widest point of the realigned ENB which has a footprint width of around 260m. The wider footprint is required for access and a potential platform for the Loopline Railway and a more substantial Lookout building. A large car park / lay down area will be maintained for the display of equipment for functions such as Mine Open Days.
- The design of the final Super Pit Lookout building is yet to be determined but it is hoped that through community consultation, and with government support, there is the opportunity to provide a sustainable, multi-function tourism legacy (similar to that at Broken Hill). KCGM has already been approached by the Goldfields Historical Society to provide a permanent home at the final Lookout for their historical collection.

From: Existing Portion of the Environmental Noise Bund to be Realigned

Element	Quantities/Description
Height	Between 10 to 17 m high
Area	Approx 16.7 hectares
Volume	Approx 2.3 million tonnes (some material has been historically removed from the pit side of the existing bund).

To: Realigned Environmental Noise Bund

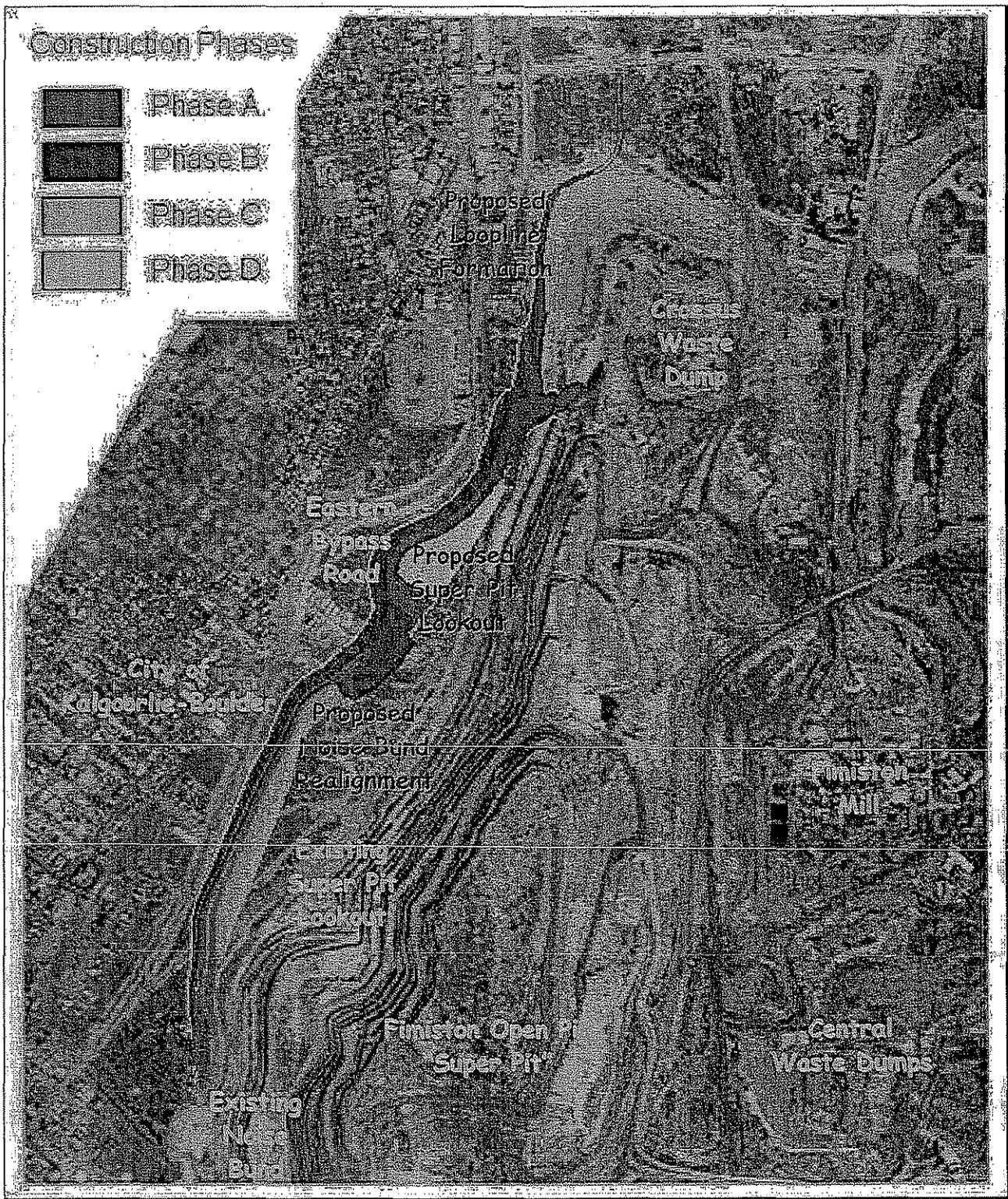
Element	Quantities/Description			
Height	20 m high			
Area	Approx 37.9 hectares			
Volume	Approx 9.25 million tonnes (around 6 million tonnes are required for the Loopline Tourist Railway and Super Pit Lookout).			
Dust Management	Dust will be managed with the use of water carts and monitoring of wind conditions, with work stopping if wind data indicates that dust may travel into nearby areas.			
Noise Management	Construction will only occur between 7:00am to 7:00pm Monday to Saturday (no Sundays or Public Holidays).			
Construction Period	Construction is estimated at 2 years based on anticipated delays for noise and dust management constraints.			
Spatial Data (Refer to Figure 1)	Centre Points			Approx Footprint Width from Centre Point
	Name	Easting	Northing	
	A	355,735	6,595,739	44 m
	B	355,831	6,595,495	71 m
	C	355,890	6,595,289	64 m
	D	355,861	6,594,975	132 m
	E	355,939	6,594,760	86 m
	F	355,876	6,594,406	70 m
	G	355,990	6,593,995	70 m
H	356,111	6,593,624	62 m	

Approval Date: 17/05/06

Figure 1. Realigned Noise Bund Location Plan



Figure 2. Realigned Noise Bund Construction Phase Plan



Site Plan for the Proposed Environmental Noise Bund Realignment and Loopline Foundation