
ENVIRONMENT

EV401

ENVIRONMENTAL PROTECTION ACT 1986

ENVIRONMENTAL PROTECTION (NOISE) REGULATIONS 1997

ENVIRONMENTAL PROTECTION (FIMISTON GOLD MINE NOISE EMISSIONS) APPROVAL 2025

Approval of the Minister under the *Environmental Protection (Noise) Regulations 1997* regulation 18B.

1. Citation

This approval is the *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2025*.

2. Commencement

This approval comes into operation on the day on which it is published in the *Gazette*.

3. Terms used

In this approval—

airblast level has the meaning given in regulation 11(1);

Barton Street Williamstown (BSW) means any place at or adjacent to the intersection of Barton Street and Baden Street, Williamstown;

blasting has the meaning given in regulation 2(1);

Boulder Primary School (BPS) means any place within the boundary of the premises known as Boulder Primary School at 200 Lane Street, Boulder;

CEO has the meaning given in the *Environmental Protection Act 1986* section 3(1);

daytime means any time in the period—

- (a) between the hours of 0700 and 1900 on Monday to Saturday, excluding public holidays; and

- (b) between the hours of 0900 and 1900 on Sunday and public holidays;

evening means any time in the period between the hours of 1900 and 2200;

Fimiston Gold Mine means the land coloured blue on the map in Schedule 1;

impulsiveness has the meaning given in regulation 9(1);

Kalgoorlie Technical School (KTS) means any place within the boundary of the premises known as Kalgoorlie Technical School at 13 Davidson Street, South Kalgoorlie;

KCGM means Kalgoorlie Consolidated Gold Mines Pty Ltd ACN 009 377 619;

L_A 10 approved level means an approved level that, measured as an L_A Slow value, is not to be exceeded for more than 10% of the representative assessment period;

L_A max approved level means an approved level that, measured as an L_A Slow value, is not to be exceeded at any time;

L_A Slow has the meaning given in regulation 2(1);

location means a location specified in Schedule 2 Table 1 column 1;

L_Z peak has the meaning given in regulation 11(1);

Metal Exploration Premises (MEP) means any place within the boundary of the premises known as Metal Exploration Premises at 29 to 31 Holmes Street, Boulder;

mining operations has the meaning given in the *Mining Act 1978* section 8(1);

modulation has the meaning given in regulation 9(1);

night means any time that is not daytime or evening;

Oroya Street Boulder (OSB) means any place at or adjacent to the intersection of Oroya Street and Waverley Street, Boulder

regulation means a regulation of the *Environmental Protection (Noise) Regulations 1997*;

representative assessment period has the meaning given in regulation 2(1);

sensitive site has the meaning given in regulation 11(1);

start date means the day on which notice of this approval is published in the *Gazette*;

tonality has the meaning given in regulation 9(1);

York Street Boulder (YSB) means any place on York Street, between the intersections of York Street with Lane Street and Hamilton Street, Boulder.

4. Approval

- (1) Approval is granted to KCGM to allow the level of noise emitted from the Fimiston Gold Mine to exceed the standards prescribed under regulation 7 if the level of noise when received at a location at the time specified in Schedule 2 Table 1 column 2 opposite that location does not exceed—
 - (a) the L_A 10 approved level specified in column 3 for that location at that time; and
 - (b) the L_A max approved level specified in column 4 for that location at that time;
- (2) Approval is granted to KCGM to allow the airblast level emitted from the Fimiston Gold Mine to exceed the standards prescribed under regulations 11(4)(a)(i) and (6)(a)(i) when the airblast level—
 - (a) is received at a sensitive site on a residential property owned by KCGM at the time of day specified in Schedule 3 Table 1 column 1; and
 - (b) does not exceed—
 - (i) the approved airblast level specified in column 2 for that time of day; and
 - (ii) the approved airblast level specified in column 3 for that time of day.
- (3) For the purposes of calculating under subclause (1) the L_A 10 approved level or the L_A max approved level for a location, WIF means the weather influencing factor determined under Schedule 2 Table 2 for the weather conditions, as measured under the noise management plan submitted or revised under clause 11, prevailing at that location at the time the noise is received.
- (4) For the purposes of assessing under regulation 9(3) if noise emitted from the Fimiston Gold Mine when received at a location is taken to be free of the characteristics specified in regulation 7(1)(b), the adjustment in regulation 9(3) Table 2 column 1 where tonality is present is varied to 0 dB.

5. Duration of approval

- (1) This approval has effect for 5 years from the start date, unless a longer period applies under subclause (2).
- (2) If KCGM applies, within 4 years after the start date, for a further approval under regulation 17(1) in relation to noise emissions from the Fimiston Gold Mine then this approval continues to have effect until the Minister grants, or refuses to grant, the further approval.

6. Condition of approval

This approval is subject to the condition that KCGM ensures that clauses 7 to 12 are complied with.

7. Early-stage mining activity in northern section of the Ivanhoe Cutback only during daytime

Mining operations in the northern section of the Ivanhoe Cutback as identified in Schedule 4 must be conducted only during the daytime unless the work is carried out at or below 342 mAHD.

8. Construction of new bund before existing bund is removed

Before removal of any section of the environmental noise bund at the western extent of the Fimiston Gold Mine a replacement bund is to be fully constructed so as to form an equivalent continuous noise barrier between the Kalgoorlie-Boulder town site and the Fimiston Gold Mine.

9. Minimisation of noise emissions and impact of noise

- (1) KCGM is to take all reasonable measures to reduce the level, and eliminate the tonality, of noise emissions from the Fimiston Gold Mine.
- (2) KCGM is to utilise best practices for blasting to minimise airblast levels from the Fimiston Gold Mine.

10. Noise monitoring

- (1) KCGM is, as far as practicable, to continuously record levels of noise received at—
 - (a) Boulder Primary School; and
 - (b) Metal Exploration Premises.
- (2) For the purposes of subclause (1), recorded levels of noise are to be measured using the L_{AS10} , L_{AS50} , L_{AS90} and L_{Aeq} parameters reported over a period consistent with the monitoring of weather conditions under clause 11(2)(c).
- (3) KCGM is to record levels of noise and the presence of tonality received at each location in accordance with the noise monitoring programme for that location in the noise management plan submitted or revised under clause 11.
- (4) KCGM is to record airblast levels at each blast monitoring station in accordance with the airblast level monitoring programme for that station in the noise management plan submitted or revised under clause 11.
- (5) KCGM is to keep a record under subclauses (1), (2) and (3) for a period of at least 10 years from the day on which the record is made.

11. Noise management plan

- (1) KCGM is to submit a noise management plan for the Fimiston Gold Mine to the CEO within 3 months after the start date.
- (2) The noise management plan is to include the following—
 - (a) details of a noise and airblast level monitoring programme;
 - (b) details of a programme to monitor recorded levels of noise in accordance with clause 10(1) for each wind direction and wind speed listed in Table 2 of Schedule 2;
 - (c) details of a programme to monitor weather conditions relevant to—
 - (i) the assessment of noise and airblast levels from mining operations; and
 - (ii) the monitoring of recorded levels of noise in accordance with subclause (2)(b);
 - (d) details of a programme for the provision of information to the community regarding noise and airblast levels from mining operations;
 - (e) procedures to be adopted by KCGM to respond to complaints about noise emissions;
 - (f) procedures to be adopted by KCGM to identify major noise emission sources;
 - (g) procedures to be adopted by KCGM to adjust mining operations to reduce noise emissions—
 - (i) based on the noise and airblast level monitoring programme specified in paragraph (a); and
 - (ii) based on responses to complaints about noise emissions;
 - (h) procedures to be adopted by KCGM to eliminate tonality, modulation and impulsiveness in noise emissions from mining operations;
 - (i) procedures to be adopted by KCGM to minimise noise emissions from equipment used for mining operations;
 - (j) procedures to be adopted by KCGM to minimise airblast levels;
 - (k) procedures to be adopted by KCGM for recording details of blasting practices used for any blast that exceeds the airblast level set out in regulation 11;
 - (l) details of a programme to develop a noise exposure model for the Kalgoorlie Boulder population to better understand the noise impacts of Fimiston operations;
 - (m) any other matter that the CEO may require.
- (3) After receiving the noise management plan the CEO may, by notice in writing, require KCGM to provide a revised noise management plan including details of any matter specified in the notice.
- (4) A revised noise management plan required under subclause (3) is to be provided within 14 days after the day the notice is received or by such other time as the CEO specifies in the notice.

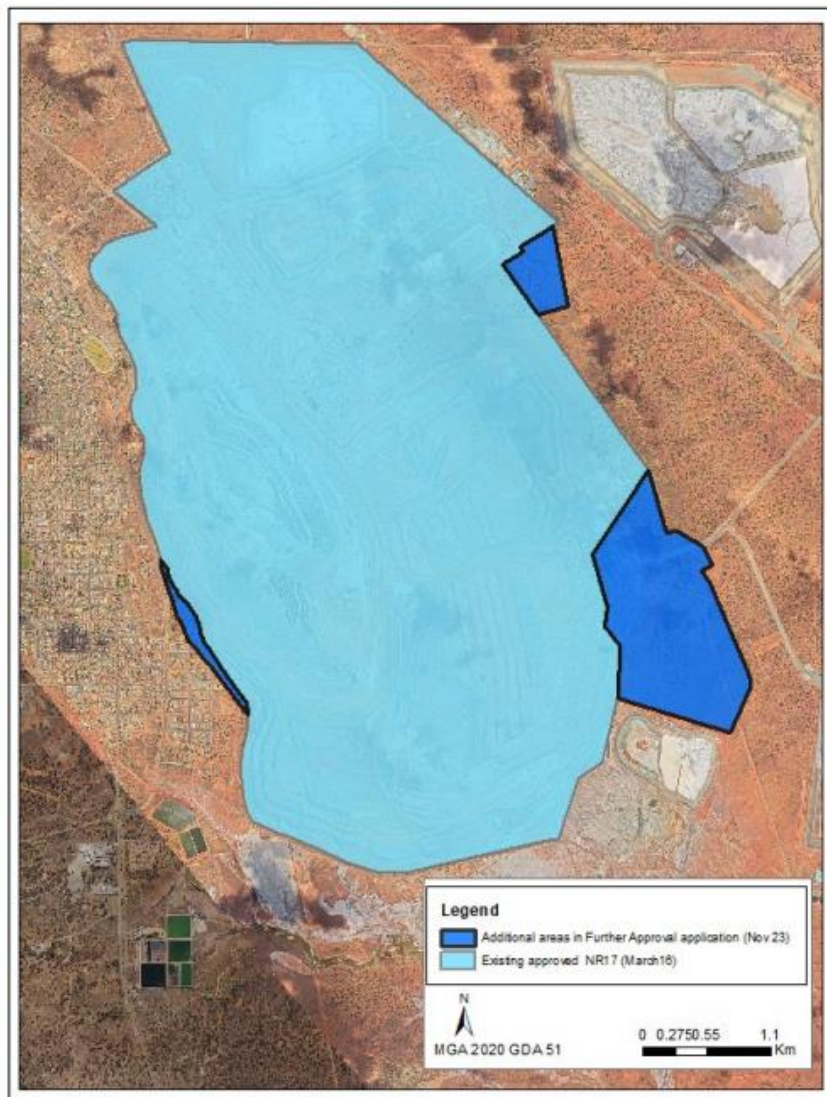
12. Annual report

- (1) KCGM is to prepare a written report—
 - (a) for the year beginning on the start date; and
 - (b) for each year that begins on the anniversary of that day.
- (2) The report for the first year of the approval after the start date is to contain—
 - (a) a summary of the noise and airblast levels during the year recorded—
 - (i) under clause 10; and
 - (ii) in accordance with the noise management plan submitted or revised under clause 11;

- (b) a summary of the noise and airblast levels from 2010 to the start date recorded as far as is reasonably practicable in accordance with—
 - (i) clause 10; and
 - (ii) the noise management plan submitted or revised under clause 11;
 - (c) a summary of the progress of the implementation of the noise management plan submitted or revised under clause 11.
- (3) The report for each year after the first year of the approval is to contain—
- (a) a summary of the noise and airblast levels during the year recorded—
 - (i) under clause 10; and
 - (ii) in accordance with the noise management plan submitted or revised under clause 11;
 - (b) a summary of the progress of the implementation of the noise management plan submitted or revised under clause 11.
- (4) KCGM is to give the report for a year to the CEO within one month after the end of the year or by such other time as the CEO approves in writing.
- (5) At the time of giving the report to the CEO, KCGM is to provide all noise, airblast and weather condition monitoring data relevant to the report to the CEO in a format agreed to by the CEO.
- (6) On the request of the CEO, KCGM is to give the CEO any assistance or information necessary to enable the report to be understood by members of the public.

Schedule 1—Fimiston Gold Mine map

[cl. 3]



Schedule 2—Noise emissions other than from blasting

[cl. 4(1)]

Table 1

Location	Time	L_{A 10} approved level (dB)	L_{A max} approved level (dB)
Barton Street Williamstown	Daytime	50 + WIF	65 + WIF
	Evening	45 + WIF	55 + WIF
	Night	45 + WIF	55 + WIF
Boulder Primary School	Daytime	50 + WIF	62 + WIF
	Evening	45 + WIF	52 + WIF
	Night	45 + WIF	52 + WIF
Kalgoorlie Technical School	Daytime	50 + WIF	62 + WIF
	Evening	45 + WIF	52 + WIF
	Night	45 + WIF	52 + WIF
Oroya Street Boulder	Daytime	52 + WIF	65 + WIF
	Evening	49 + WIF	60 + WIF
	Night	49 + WIF	60 + WIF
York Street Boulder	Daytime	52 + WIF	65 + WIF
	Evening	49 + WIF	60 + WIF
	Night	49 + WIF	60 + WIF

Table 2

Weather conditions		Weather influencing factor (dB)				
		Location				
Wind Direction	Wind speed (km/hr)	BSW	BPS	KTS	OSB	YSB
Calm	< 2	3	6	6	5	4
Northerly	≥ 2	- 2	6	6	5	5
North Easterly	≥ 2	2	6	6	4	5
Easterly	≥ 2	4	6	6	4	5
South Easterly	≥ 2	4	6	6	3	5
Southerly	≥ 2	4	4	6	2	5
South Westerly	≥ 2	3	2	5	2	4
Westerly	2—7	0	2	3	3	2
Westerly	> 7	- 4	- 3	- 2	3	- 3
North Westerly	2—7	- 4	4	3	4	2
North Westerly	> 7	- 6	3	- 1	3	- 1

Schedule 3—Noise emissions from blasting

[cl. 4(2)]

Table 1

Time of day	Approved airblast level (dB L_Z peak)	
	Not to be exceeded anytime	Not to be exceeded for 9 in any 10 consecutive blasts
0700 to 1800 hours Monday to Saturday (excluding public holidays)	125	120
0700 to 1800 hours Sunday and public holidays	120	115

Schedule 4—Daytime only operations northern section of Ivanhoe Cutback

[cl. 7]



Dated 26 May 2025.

Hon. MATTHEW SWINBOURN, MLC, Minister for Environment.