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27 February 2019

Chief Executive Officer
Department of Water and Environmental Regulation
Prime House
8 Davidson Terrace
Joondalup
WA 6027
Email: compliance@dwer.wa.gov.au

Dear Sir/Madam,

Submission of 2018 Compliance Assessment Report for the Fimiston Gold Mine Operations

In accordance with Conditions 4-1 of Ministerial Statement 782, please find enclosed the 2018 Compliance Assessment Report (CAR) for the Fimiston Gold Mine Operations. This report covers the twelve month period from 1 January to 31 December 2018.

Please contact the KCGM Environment Superintendent – Graeme Smith on 9022 1325 or GSmith@kalgold.com.au if you require any further information or clarification.

Yours faithfully

A handwritten signature in purple ink, appearing to read 'C Thaxter'.

Cecile Thaxter
General Manager
Kalgoorlie Consolidated Gold Mines Pty Ltd

Enclosed: 2018 Fimiston Gold Mine Operations Compliance Assessment Report MS782

KALGOORLIE CONSOLIDATED GOLD MINES PTY LTD



FIMISTON GOLD MINE OPERATIONS COMPLIANCE ASSESSMENT REPORT

MINISTERIAL STATEMENT 188

MINISTERIAL STATEMENT 782

1 JANUARY TO 31 DECEMBER 2018

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1. CORPORATE ENDORSEMENT

On behalf of Kalgoorlie Consolidated Gold Mines Pty Ltd, I, Cecile Thaxter (Registered Manager) do hereby confirm that to the best of my knowledge, the information provided within this Compliance Assessment Report are true and correct and address the legal requirements of Ministerial Statement No. 782 and Ministerial Statement No. 188.

Signature : *Cecile Thaxter* (Registered Manager)

Date : *Feb. 27, 2019*

2. INTRODUCTION

Kalgoorlie Consolidated Gold Mines Pty Ltd (KCGM) manages the Fimiston Operations, located immediately east of the City of Kalgoorlie-Boulder in the Goldfields Region of Western Australia, approximately 600 km east of Perth. KCGM is the management company of the Kalgoorlie Operations for the Joint Venture Owners; Barrick (Australia Pacific) Pty Ltd (Barrick; 50%) and Newmont Asia Pacific Ltd (Newmont; 50%).

In December 2004 KCGM publicly released its “KCGM Concept Plan” which outlined the proposed final dimensions of the Fimiston Open Pit and options to extend operations beyond the estimated mine life. To continue open pit mining KCGM submitted a Public Environmental Review (PER) in 2006 for assessment by the Environmental Protection Authority (EPA) to undertake the *Fimiston Gold Mine Operations Extension (Stage 3) and Mine Closure Planning (Project)*. The Project sought approval for a cutback of the Fimiston Open Pit (the Golden Pike Cutback) and additional areas for waste rock dumps and tailings storage, to extend the life of the mine from 2012 to around 2017.

Following formal assessment of the Project by the EPA (supported by the (then) Office of the Environmental Protection Authority (OEPA)), the Minister for Environment (Minister) issued Ministerial Statement 782 (MS782) on the 29 January 2009 approving the Project.

During 2015 MS782 was amended to accommodate the extended mine life by:

- Removing different options for management of tailings in the description of the proposal;
- Updating the description of the proposal including the 'Proposal Footprint' and 'Mine Development Envelope'; and
- Removal of elements that are not key proposal characteristics relevant to the environment or managed under other legislation.

KCGM produces up to 800,000 ounces of gold each year and has a current production mine life until around 2021 and mineral processing life until around 2031.

Compliance against the requirements of MS782 is assessed in this Compliance Assessment Report (CAR) in accordance with Condition 4 of MS782 *Compliance Reporting*. Also considered in this CAR is the previous Fimiston Operations Ministerial Statement No. 188 *Fimiston Project Stage II – Mine and Waste Dumps (248)* (MS188) published on 24 October 1991.

The following Environmental Management Plans relevant to MS188 and MS782 are also assessed in this report:

- Fimiston Air Quality Management Plan (FAQMP);
- Noise and Vibration Monitoring and Management Plan (NVMMP);
- Aboriginal Cultural Heritage Management Plan (ACHMP); and
- Mine Closure Plan (MCP).

3. PURPOSE

In accordance with condition 4-1 of MS782, a CAR must be submitted to the CEO of the (then) Department of Environment and Conservation (now the Department of Water and Environmental Regulation (DWER)) annually. In December 2010 the OEPA approved the reporting period of the CAR to reflect the calendar year with submission due by February 28 of each year. This CAR covers the period 1 January to 31 December 2018.

Condition 4-3 of MS782 outlines the requirements for the CAR as listed in Table 1.

Table 1: Requirements for the CAR

REQUIRED INFORMATION	SECTION OF THIS REPORT
1. Be endorsed by signature of the proponent's Chief Executive Officer (CEO) or a person, approved in writing by the CEO, delegated to sign on behalf of the proponent's Chief Executive Officer	Section 1
2. State whether the proponent has complied with each condition and procedure contained in this statement	Appendix A: Ministerial audit table
3. Provide verifiable evidence of compliance with each condition and procedure contained in this statement	Appendix A: Ministerial audit table
4. State whether the proponent has complied with each key action contained in any environmental management plan or program required by this statement	Appendix B: Management Plan audit tables
5. Provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by this statement	Appendix B: Management Plan audit tables
6. Identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance	Section 5
7. Review the effectiveness of all corrective and preventative actions taken; and	Section 5
8. Describe the state of implementation of the proposal.	Section 4

4. PROJECT IMPLEMENTATION STATUS

4.1 Project Milestones

A breakdown of the project implementation is provided in Table 2: Project Milestones.

Table 1: Project Milestones

DATE	MILESTONE	ORGANISATION
2009 January	Ministerial Statement 782 (MS782) published. Bulletin 1273.	Minister for Environment
2009 June	Independent Environmental Auditor appointed.	KCGM
2009 July	Noise Regulation 17 Variation approved. <i>Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2009</i> published in the Government Gazette.	Minister for Environment
2009 December	Annual revision, FAQMP (December 2009) submitted to the OEPA.	KCGM
2009 December	ACHMP submitted to the DIA.	KCGM
2010 January	Mining Proposal (REGID 24671) for Golden Pike approved.	DMP
2010 February	ACHMP approved.	DIA
2010 March	Noise Regulation 17 Variation Appeal dismissed.	Minister for Environment
2010 March	Mining of the Golden Pike Cutback commenced.	KCGM
2010 March	2009 Annual Audit Compliance Report submitted to the OEPA.	KCGM
2010 April	KCGM MCP submitted to the DMP.	KCGM
2010 September	Written evidence provided to the OEPA to demonstrate that the proposal has substantially commenced.	KCGM
2010 September	Attachment 1 to MS782 - change to proposal approved under section 45C of the EP Act (Clearing for Kaltails tailings storage facility, contingency clearing for infrastructure post Kaltails recommissioning, and inclusion of hydrogen peroxide doxing facility).	OEPA
2010 October	Amended NVMMP submitted to the OEPA and DEC.	KCGM
2010 December	NVMMP approved.	OEPA and DER
2010 December	Request to change the reporting period for the Annual Audit Compliance Report approved.	OEPA
2010 December	Annual revision, FAQMP (December 2010) submitted to the OEPA.	KCGM
2011 March	2010 Annual Audit Compliance Report submitted to the OEPA.	KCGM
2011 April	18 Month Auditing Report submitted to the Minister for Environment.	Keith Lindbeck and Associates

DATE	MILESTONE	ORGANISATION
2011 May	Submission made to the DER on the Proposed Environmental Protection (Noise) Amendment Regulations – Regulation 11 – Airblast Limits.	KCGM
2011 June	Recommendation by the Minister for Environment that the Independent Auditor conduct two additional audits (4 and 5) to cover period until September 2011.	Minister for Environment
2011 July	Unrestricted (24/7) mining commenced in Golden Pike.	KCGM
2011 August	Independent Auditor undertakes to complete two additional audit periods.	Keith Lindbeck and Associates
2011 August	Construction of North East Waste Rock Dumps commenced.	KCGM
2011 October	Deposition of tailings to Kaltails TSF commenced.	KCGM
2012 February	Annual revision, FAQMP (December 2011) submitted to the OEPA.	KCGM
2012 March	4 th Independent Environmental Auditor Report presented to the Community Reference Group. No non-compliances sighted.	Keith Lindbeck and Associates
2012 April	2011 Annual Audit Compliance Report submitted to the OEPA.	KCGM
2012 April	2012 MCP was submitted.	KCGM
2012 May	Feedback received on 2012 MCP.	DMP
2012 May	5 th and final Independent Environmental Auditor Report presented to the Community Reference Group. No non-compliances sighted.	Keith Lindbeck and Associates
2012 June	Response submitted to DMP on 2012 MCP.	KCGM
2012 August	Recommendation made that no further audit periods be required for Ministerial Statement No. 782 and that Ministerial Conditions 5-3 and 5-4 are classified as “Completed” under the OEPA audit classification system.	Keith Lindbeck and Associates
2012 August	Confirmation received from the OEPA that the requirements of conditions 5-3 and 5-4 had been satisfied and auditing is no longer required.	OEPA
2012 September	Meeting held with DMP to discuss 2012 MCP primarily to discuss the provision of additional geotechnical information.	DMP
2012 October	Annual revision, FAQMP (October 2012) submitted to the OEPA.	KCGM
2012 December	A revised version of the 2012 MCP was submitted providing additional information as requested by stakeholders.	KCGM
2012 December	Meeting held with the OEPA, DER and DoH to discuss outstanding matters relating to the review of the FAQMP.	KCGM
2013 March	KCGM advised by letter that the OEPA considers that non-compliances with Condition 9-3 (airblast levels) and 9-5 (vibration limits) of Ministerial Statement No. 782 occurred in 2012.	OEPA

DATE	MILESTONE	ORGANISATION
2013 February	2012 Annual Audit Compliance Report submitted to the OEPA.	KCGM
2013 May	KCGM requested that the OEPA consider a change to a 3 yearly submission cycle for the MCP to be consistent with tenement conditions.	KCGM
2013 June	Additional information relating to airblast and vibration non-compliances submitted as requested by OEPA in March 2013.	KCGM
2013 June	KCGM applies for a further approval under regulation 17 in relation to the Fimiston Gold Mine in accordance with Condition 4(2) of the <i>Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2009</i> .	Minister
2013 July	Attachment 2 to Ministerial Statement No. 782 – change to proposal approved under section 46C of the EP Act (replacement of Condition 11-3, associated with review of the Rehabilitation and Closure Management Plan every three years).	OEPA
2013 July	Notification received from the OEPA that a 3 yearly submission cycle for the MCP is approved.	OEPA
2013 August	The FAQMP (October 2012) and additional documents were reviewed by the OEPA and considered to satisfy Ministerial Conditions 7-1, 7-2 and 7-3.	OEPA, DER, DoH
2013 August	Correspondence received approving a change in the timeframe for resubmission of the FAQMP from annual to every three years with the next submission due in October 2015.	OEPA
2013 October	Desktop Audit of MS782 conducted by the OEPA. KCGM in compliance with the statement.	OEPA
2013 October	Response received from the OEPA that the non-compliances with Condition 9-3 (airblast levels) and 9-5 (vibration limits) have been resolved.	OEPA
2013 November	Revised 2012 MCP approved by the stakeholders. OEPA now lead agency for closure coordination.	OEPA
2014 February	KCGM announced plans that will see the operation continue to process gold until around 2029, extending open pit mining until 2019 and the mineral processing life of the mine by eight years.	KCGM
2014 February	2013 Annual Audit Compliance Report submitted to the OEPA.	KCGM
2014 March	The <i>Environmental Protection (Noise) Amendment Regulations 2013</i> came into effect on 6 March 2014. A key amendment was a reduction in airblast levels under Regulation 11 which could adversely impact on impact KCGM operations. KCGM lodged an application for approval to allow the emission of airblast to vary from the standards specified in Regulation 11, requesting that airblast levels remain at those previously set for the operation.	DER
2014 March	KCGM celebrates 25 years of operations.	KCGM

DATE	MILESTONE	ORGANISATION
2014 August	Change of Proposal to MS782 submitted for Fimiston II TSF Embankment Height Increase (45-60m).	OEPA
2014 December	KCGM met with OEPA to discuss proposed amendments to MS782 (Key characteristics table)	OEPA
2015 March	2014 Annual Audit Compliance Report submitted to the OEPA (extension granted).	KCGM
2015 March	Triennial revision, MCP (March 2015) submitted to the OEPA.	KCGM
2015 April	The first 5 Year Performance Report for the Fimiston Gold Mine Operations (MS782) is submitted to the OEPA.	KCGM
2015 June	Attachment 3 to MS782 - change to proposal approved under section 45C of the EP Act (removal of different options for management of tailings, updating the description of the proposal and removal of elements that are not key proposal characteristics).	OEPA
2015 November	MCP (March 2015) approved.	OEPA
2015 December	Triennial revision, FAQMP (December 2015) submitted to the OEPA.	KCGM
2016 February	2015 Annual Audit Compliance Report submitted to the OEPA.	KCGM
2016 March	Noise Regulation 17 Variation approved. <i>Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2016</i> published in the Government Gazette.	DER
2016 May	Mining Proposal for the Eastern WRD Extension (REG ID 59160) approved following advice from the OEPA regarding modification of the disturbance footprint.	DMP
2016 June	KCGM advised the OEPA that two blasts, within ten consecutive blasts, recorded a vibration greater than 5 mm/s	KCGM
2016 June	Revised NVMMP (June 2016) submitted to the OEPA and DER.	OEPA/DER
2016 June	FAQMP (December 2015) approved by the OEPA. Next revision due June 2019.	OEPA
2016 August	The OEPA considers the non-compliance with Condition 9-5 (vibration limits) to be resolved and no further action by KCGM is required in relation to this matter.	OEPA
2016 September	NVMMP (June 2016) approved by DER.	DER
2016 November	NVMMP (June 2016) approved by OEPA.	OEPA
2016 November	Desktop Audit of MS782 conducted by the OEPA, which determined that KCGM is in compliance with the Statement.	OEPA
2017 February	2016 Annual Audit Compliance Report submitted to the OEPA.	KCGM

DATE	MILESTONE	ORGANISATION
2017 May	Change to Proposal to MS782: Minor Modification to the Fimiston Open Pit (West Wall Remediation) – submitted to the DWER to order to provide a permanent safe working environment in the pit following localised movement of oxide material (i.e. a slip).	KCGM
2017 June	Attachment 4 to MS782 - change to proposal approved under section 45C of the EP Act (West Wall Remediation).	OEPA
2017 June	Change to Proposal to MS782: Fimiston Open Pit Area Modification (Morrison and Brownhill Mining Projects) – submitted to the DWER.	DWER
2017 December	KCGM met with DWER/EPA to discuss proposed amendments to MS782 (TSF Haul Road Project). KCGM were advised to resubmit the Change to Proposal (submitted in June 2017) to include details of the both the Morrison and Brownhill Mining Projects and the TSF Infrastructure Project.	KCGM
2018 February	Change to Proposal to MS782: Request to Modify the Authorised Extent within the Approved Development Envelope (Morrison and Brownhill Mining Projects and the TSF Infrastructure Project) – submitted to the DWER.	KCGM
2018 February	2017 Compliance Assessment Report submitted to the DWER	KCGM
2018 March	Triennial revision, MCP (March 2018) submitted to the DWER and the DMIRS	KCGM
2018 June	Attachment 5 to MS782 - change to proposal approved under section 45C of the EP Act (Mining of the Morrison and Brownhill Mining Expansion Areas).	DWER/EPA
2018 August	MCP (March 2018) approved by the DMIRS.	DMIRS
2018 August	Revised NVMMP (August 2018) submitted to the DWER.	DWER
2018 September	NVMMP (August 2018) approved by the DWER.	DWER
2018 September	Change to Proposal to MS782: Kaltails Managed Aquifer Recharge (MAR) Project - submitted to the DWER.	KCGM
2018 October	Attachment 6 to MS782 - change to proposal approved under section 45C of the EP Act (Kaltails MAR Project).	DWER

4.2 Key Statement Amendments

Table 2: Key Amendments to Ministerial Statement 782

DATE	CHANGE	APPROVAL PROCESS
January 2009	Fimiston Gold Mine Operations Extension (Stage 3) and Mine Closure Planning PER approved.	Proposal assessment and publication of Ministerial Statement 782.
September 2010	Change to Proposal: Kaltails Clearing - Clearing for Kaltails tailings storage facility, contingency clearing for infrastructure post Kaltails recommissioning, and inclusion of hydrogen peroxide dosing facility.	Section 45C of the EP Act (Attachment 1).
August 2012	Notice of Change to Implementation Conditions – Fimiston Air Quality Management Plan: Approval given for the submission of the FAQMP to increase from a 12 month interval (Annual) to a 36 month interval (3 Yearly), unless otherwise required.	Approved by letter from the OEPA.
July 2013	Notice of Changes to Implementation Conditions: Mine Closure Plan Submission: The proponent shall review the Mine Closure Plan required by condition 11-1 every three years (<i>increase from every two to every three years</i>).	Section 46C of the EP Act (Attachment 2).
June 2015	Change to Proposal: Fimiston II Embankment Raise (40-65m): <ul style="list-style-type: none"> Remove different options for management of tailings in the description of the proposal; Update description of the proposal including the 'Proposal footprint' and 'Mine Development Envelope'; and Removal of elements that are not key proposal characteristics relevant to the environment or managed under other legislation. 	Section 45C of the EP Act (Attachment 3).
May 2016	Modification of the Disturbance Footprint: The Disturbance Footprint was changed to accommodate changes to Waste Rock Dump locations to accommodate the Eastern Waste Rock Dump.	Approved by letter from the OEPA.
June 2017	Change to Proposal: Minor Modification to the Fimiston Open Pit. The Authorised Extent of the Fimiston Open Pit (and consequently the Environmental Noise Bund) was changed to accommodate remediation of the western wall following localised movement of oxide material (i.e. a slip). There was no change to the Authorised Extent of clearing within the Development Envelope.	Section 45C of the EP Act (Attachment 4).
June 2018	Change to Proposal: Request to Modify the Authorised Extent within the Approved Development Envelope (Morrison and Brownhill Mining Projects and TSF Infrastructure Projects). The Authorised Extent of clearing within the Development Envelope increased by 200 hectares.	Section 45C of the EP Act (Attachment 5).
October 2018	Change to Proposal: Kaltails Managed Aquifer Recharge (MAR) Project. The Authorised Extent of clearing within the Development Envelope increased by 73 hectares.	Section 45C of the EP Act (Attachment 6).

4.3 Five Year Performance Report

Condition 5-1 of MS782 requires that the proponent shall submit a Performance Review Report every five years after the start of mining activities forming part of the expanded and revised proposal to the Environmental Protection Authority which addresses:

- the major environmental issues associated with implementing the project; the environmental objectives for those issues; the methodologies used to achieve these; and the key indicators of environmental performance measured against those objectives;
- the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable;
- significant improvements gained in environmental management, including the use of external peer reviews;
- stakeholder and community consultation about environmental performance and the outcomes of that consultation, including a report of any on-going concerns being expressed; and
- the proposed environmental objectives over the next five years, including improvements in technology and management processes.

The first five Year Performance Report prepared for MS782 covered the period January 2010 to December 2014 and was submitted to the OEPA on the 30 April 2015. Copies of the report are publically available on the KCGM website (www.superpit.com.au).

The next five Year Performance Report will cover the calendar year periods from 2015 to 2019, and is due for submission to the DWER by the 30 April 2020.

4.4 Operational Areas

The Authorised Extent of the Project was first defined within Schedule 1 of MS782 with regards to the approximate area of the Fimiston Open Pit being 346 hectares.

In August 2014, KCGM submitted a Change to Proposal to the (then) OEPA requesting approval under section 45C of the EP Act to increase the height of the Fimiston II Tailing Storage Facility (one of the elements listed in Table 1 – Key Proposal Characteristics of MS782). During the assessment process, the OEPA implemented a Development Envelope of 5,116 hectares to define the boundary of the Fimiston Gold Mine Operations; within which clearing of up to 3,243 hectares was authorised. The authorised extent of clearing for the Fimiston Open Pit (346 hectares), Environmental Noise Bund (137 hectares), and other key infrastructure (2,760 hectares), referred to as the Disturbance Footprint, was indicated in Figure 1 of Attachment 3 to MS782 and defined by coordinates in Table 3 of Attachment 3 to MS782.

On 8 April 2016, KCGM sought confirmation from the OEPA to modify the Disturbance Footprint to accommodate changes to Waste Rock Dump locations. The OEPA advised in a letter dated 11 May 2016 that the modification is in accordance with Table 2 of Attachment 3 to MS782, provided that that the modifications do not result in clearing of more than 2,760 hectares [authorised extent of the Disturbance Footprint] within the Development Envelope.

On 3 May 2017 KCGM applied to the OEPA to modify the Disturbance Footprint of MS782 under section 45C of the EP Act. This was to allow for a minor modification to the Fimiston Open Pit area (+ 2 hectares) to undertake remediation works on a section of the western wall where localised

movement of oxide material resulted in a wall slip in March 2017. In a letter dated 11 May 2017 the OEPA considered that the modification will not have a significant detrimental effect on the environment in addition to, or different from, the effect of the original proposal. Subsequently Attachment 4 to MS782 was issued 12 June 2017.

In October 2017, KCGM wrote to the DWER regarding the installation of a new power line (infrastructure corridor) on the western side of the Fimiston Open Pit. In a letter dated 06 November 2017, the OEPA noted that the infrastructure corridor relates to the installation of a new power line and access tracks within the approved Mine Development Envelope, with no clearing of native vegetation and managed in accordance with Table 2 of Attachment 4¹.

In February 2018, KCGM applied to the DWER to modify the Disturbance Footprint of MS782 under section 45C of the EP Act. This was to allow for mining of the Morrison and Brownhill reserve areas of the Fimiston Open Pit and to install additional infrastructure, within the approved Development Envelope, associated with the Fimiston II and Kaltails TSFs. Implementing the proposed projects required a modification of the Open Pit Envelope and an additional 200 hectares of clearing within the Development Envelope. The proposed change was approved and subsequently Attachment 5 to MS782 was issued authorising clearing of up to 3,491 hectares within the Development Envelope of 5,116 hectares.

In September 2018, the DMIRS referred a Mining Proposal, regarding implementation of the Kaltails Managed Aquifer Recharge scheme (Kaltails MAR Project), to the DWER. The DWER determined that the Kaltails MAR Project was inconsistent with the activities currently authorised under MS782 and requested that KCGM submit a Change to Proposal application under Section 45C of the EP Act to incorporate the Kaltails MAR Project into MS782. Subsequently Attachment 6 to MS782 was issued authorising clearing of up to 3,564 hectares (+ 73 hectares) within a Development Envelope of 5,642 hectares (+ 526 hectares).

The currently approved authorised extent of the Fimiston Gold Mine Operations is shown in **Figure 1**.

¹ The letter received from the OEPA referred to "Table 2 of Schedule 1". However Attachment 4 replaced Schedule 1 and Attachment 3; KCGM believe that the OEPA intended refer to "Table 2 of Attachment 4".



Figure 1: Authorised Extent of the Fimiston Gold Mine Operations as per Attachment 6

5. COMPLIANCE

5.1 Non – Compliances

Appendix A of this report is the KCGM Ministerial Audit Table (based on the EPA format) which assesses compliance against MS188 and MS782. There were no non-compliances identified against MS188.

One potential non-compliance was recorded against Condition 7-3 of MS782, regarding availability of continuous dust monitoring data on the KCGM website within 24 hours of the recording of that data. On Friday 16 November 2018 a communications outage occurred, due to a lightning strike which impacted one of KCGM's primary communication towers between Gidji and Fimiston. Consequently this affected the automated process responsible for updating and uploading the KCGM Dust Report on the website for a period of three days.

Corrective actions taken by KCGM to address the issue include:

- Creating a temporary manual upload process, enabling the KCGM Dust Report to be made available on the website on Tuesday 20 November 2018.
- The validated data, which was being stored on the Gidji PI server, was transferred to the Fimiston PI server to mitigate the likelihood of the issue occurring again (as the primary cause of the issue was due to the data from the Gidji PI server being unavailable).
- The automated process responsible for updating and uploading the KCGM Dust Report, which was set to run at 1 pm daily, was changed to run at 6 am daily to ensure any errors could be identified as soon as possible. Additionally, KCGM staff conduct daily checks of the website to ensure the data is made available within the reporting timeframe required by Condition 7-5 of MS782.

5.2 Non - Conformances

Appendix B of this report contains the KCGM Environmental Management Plan Audit Tables which assesses conformance against Environmental Management Plans relevant to MS188 and MS782.

One potential non-conformance was recorded against the FAQMP which outlines the requirements of Condition 7-5 of MS782 as described above in section 5.1.

5.3 External Audits

No external audits were undertaken in 2018.

5.4 Environmental Management Plans

Fimiston Air Quality Management Plan (FAQMP)

The FAQMP was initially developed by KCGM to integrate a number of management plans that covered various air quality aspects of the Fimiston Operations. The FAQMP was implemented in May 2009 in accordance with Condition 7.1 of MS782.

Initially the FAQMP required review on an annual basis, however this was amended to a three yearly revision cycle following approval of the 2012 FAQMP by the OEPA on 14 August 2013. The most recent revision of the FAQMP was submitted to the relevant government agencies on 23 December 2015, and was approved by the OEPA on 29 June 2016. No amendments were made to the FAQMP during the reporting period.

Noise and Vibration Monitoring and Management Plan (NVMMP)

The NVMMP was initially revised in accordance with Condition 9.6 of MS782 and submitted to the DER in August 2009. However due to an appeal against the *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2009*, approval of the NVMMP was delayed whilst the appeal was determined. An Appeals Committee was appointed and their report was submitted for review by the Minister. Whilst the Minister dismissed the appeal in March 2010 two recommendations were made by the Appeals Committee and required inclusion in the NVMMP. KCGM submitted a revised NVMMP to the OEPA in October 2010 which was subsequently approved on 6 December 2010.

The NVMMP was updated following gazettal of the *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2016* in March 2016. The revised the NVMMP (June 2016) was submitted to the DER and the OEPA on 22 June 2016, and was approved by the DER on 19 September 2016 and by the OEPA on 1 November 2016.

KCGM included a revised NVMMP with the Change to Proposal submitted to the DWER in February 2018. The revised NVMMP proposed relocating the Echo blast monitoring site to a point further south of the current site. The relocation was based on a recommendation by George Boucher Consulting following a blast assessment conducted in 2017 for KCGM's proposed Morrison mining project. KCGM formally submitted the revised NVMMP for approval by the CEO (of the DWER) in August 2018. The NVMMP (August 2018) was subsequently approved 27 September 2018.

Aboriginal Cultural Heritage Management Plan (ACHMP)

In accordance with Condition 6 of MS782, KCGM developed the ACHMP in consultation with the (then) Department of Indigenous Affairs (DIA). The plan includes the protocols and procedures for the appropriate management of any aboriginal sites or skeletal remains identified during proposed works. The ACHMP was approved by the DIA on 8 February 2010.

No amendments were made to the ACHMP during the reporting period.

Mine Closure Plan (MCP)

KCGM developed a MCP in accordance with Condition 11 of MS 782 with the first submission made on 14 April 2010.

During 2012, the MCP was reviewed and updated in accordance with the Guidelines for Preparing Mine Closure Plans (Department of Mines and Petroleum and Environmental Protection Authority, 2011). KCGM's second update of the MCP was submitted to the relevant government authorities on 30 April 2012. Feedback was received from the DMP via correspondence dated 16 May 2012

requesting further information which KCGM responded to on 12 June 2012. Further feedback was received from the DMP during a meeting held on 21 September 2012.

This feedback related primarily to providing additional geotechnical information, specifically for the Mt Charlotte and Mt Percy areas. This information was provided to the DMP in a revised version of the Closure Plan in December 2012. KCGM received correspondence from the OEPA on 4 November 2013 approving the 2012 MCP.

On the 22 May 2013 KCGM requested that an administrative change be made to the implementation of Condition 11.3 of MS782; namely that the submission cycles of the KCGM MCP be altered from a 2 yearly cycle to a 3 yearly cycle to avoid conflicting legal requirements. The OEPA responded to the request in July 2013 approving the 3 yearly submission cycles.

The MCP was reviewed and submitted to the DWER in March 2018. Whilst the 2018 MCP was approved by DMIRS on 06 August 2018, approval by DWER/EPA is still pending. The next MCP is due for submission in March 2021.

5.5 Complaints Register

KCGM has a well-established community engagement process which utilises a range of mechanisms to engage with stakeholders and capture community input. Key consultation and engagement tools include the KCGM Community Reference Group, Public Interaction Line, website, social media, advertising, community research and publications. The range of communication channels and information provided ensure that KCGM has a strong understanding of the impacts the community experiences from our operations.

KCGM has a 24-hour Public Interaction Line (PIL) (established in 1993) which the community can utilise to discuss a wide range of issues including emergencies, complaints, enquiries and feedback. Both the public and employees (including contractors) are encouraged to use the PIL on any matter relating to the operations. It is a particularly important avenue for capturing those issues which require follow up and action.

The PIL is backed up by an electronic database which enables the categorisation of queries and the automation of subsequent action allocation and follow-up mechanisms. The database is also used to record stakeholder communications and engagement and is a very effective tool for analysing and tracking issues and impacts which are of concern to the community.

During business hours, PIL enquiries are referred to the relevant department supervisor for appropriate action. Incoming calls received outside office business hours may be forwarded to the shift supervisor for action or where appropriate will be followed up the next working day. Once an internal review has been completed, the caller is informed of actions taken or outcomes of their enquiry or complaint. KCGM responds to all people who contact the PIL (and provide contact details) either by phone, in writing or in some cases meetings.

During the reporting period there was a total of six complaints received relating to environmental aspects of the Fimiston Gold Mine Operations. Of these complaints, one related to blasting, four related to dust, and one related to noise. Figure 2 shows the number of complaints received for each environmental aspect during the last three reporting periods.

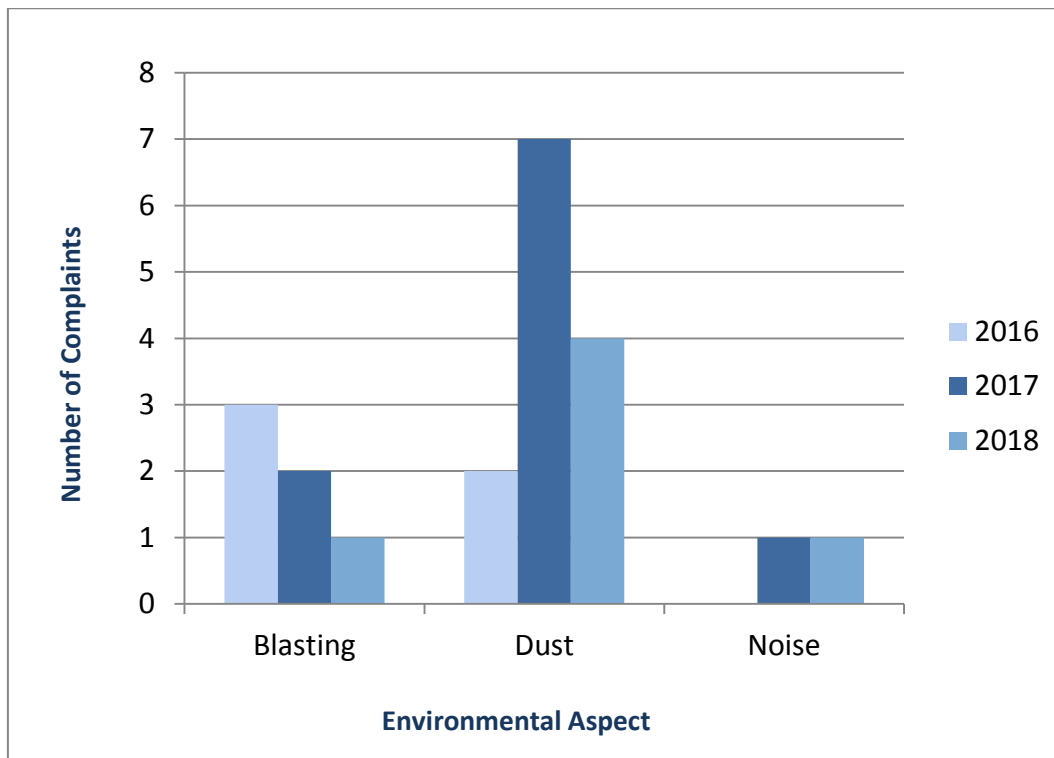


Figure 2: Complaints Relating to Environmental Aspects of the Fimiston Operations

A summary of each complaint received during the reporting period regarding environmental aspects of the Fimiston Operations is provided in Table 3.

Table 3: Fimiston Operations Complaint Summary 2018

COMPLAINT CATEGORY	DATE	SUMMARY OF COMPLAINT and KCGM COMMENT
Blasting	26-March-18	Local resident complaint regarding blasting during the Kalgoorlie-Boulder Fair, noting that it wasn't ideal to blast in that wind direction when a local fair was on and those attendees reported dust in their eyes.
Dust	16-May-18	Local resident complaint regarding dust from the Open Pit. Dust was noticed at the nursing home. He explained that it covered all the cars. We advised the complainant that we had two wall slips so he was aware-committed to contacting him back with further details and complainant was eventually satisfied with feedback and outcome.
Dust	16-May-18	Local resident called as they noticed their solar panels were covered in dust from yesterday's blast. They couldn't advise the time of the blast yesterday as they only noticed the dust this morning. We advised that we had two wall slips in the Open Pit and that operations were suspended when the first wall slip occurred late Monday night (14/05/18).
Noise	17-Aug-18	Local resident complained regarding truck noise from the Open Pit in the early hours of Thursday (16/08/18) morning. They were woken at 2 am by the noise and could not sleep. At 4.30 am they drove to the KCGM mine site boundary to ascertain where the noise was coming from. They have lived at the address for four years and never before heard the noise at similar levels. Noise levels were checked by KCGM at the Noise Monitor closest to the complainant and no trigger levels were recorded for this day. Complainant was asked to call directly if there were any further issues. No further contact was received.

COMPLAINT CATEGORY	DATE	SUMMARY OF COMPLAINT and KCGM COMMENT
Dust	25-Oct-18	Resident visited KCGM's Security Gatehouse to complain about the amount of dust coming off the waste dumps due to strong winds. They reported their property is covered in dust and he has requested that KCGM pay to relocate them to a hotel until the dust settles and KCGM can clean up the property. KCGM attempted to visit the property but the property address could not be found.
Dust	4-Dec-18	Resident visited KCGM's Security Gatehouse to complain about the amount of dust coming off the waste dumps due to strong winds. There was a storm the night of the complaint in Kalgoorlie-Boulder, which could have been largely attributed to the dust experienced by the complainant. External Relations Advisor has made several attempts to contact the complainant but contact could not be made.

6. ENVIRONMENTAL MONITORING

6.1 Dust Monitoring

KCGM conducts dust monitoring as specified within the Dust Monitoring and Management Programme (DMMP) which was developed and implemented by KCGM in accordance with conditions set by the Minister for Environment in the early 1990's. The first version of the DMMP was developed in 1993 to meet the requirements of 188:M5. The DMMP was subsequently revised in 2001 to reflect blasting dust monitoring and management changes and again in 2004 to meet the requirements of the Southern Landform Extension Project. In 2007 the DMMP was incorporated into the FAQMP (refer to Section 5.4).

The objective of the DMMP is to ensure 24-hour average PM₁₀ concentrations resulting from the Fimiston Operations (as summarised in Table 5) are less than the Ambient Air Quality National Environmental Protection Measure 24-hour average PM₁₀ Standard of 50 µg/m³ (NEPM PM₁₀ Standard) at the monitoring sites.

Table 4: Dust Monitoring Programme Parameters

SITE ID	SAMPLING FREQUENCY	PARAMETER	APPLICABLE STANDARDS OR LIMITS
HEW CLY HOP BSY MEX MTC	5-minute averages	PM ₁₀	NEPM PM ₁₀ Standard
HGC (Control Site)			

During the reporting period measurements above the NEPM PM₁₀ Standard where KCGM was identified as a significant contributor were reported to the DWER and DoH in accordance with the revised FAQMP (December 2015).

A key performance target of the FAQMP includes not more than five events above the NEPM PM₁₀ Standard at any dust monitoring site per annum where KCGM is considered to be a significant contributor. During 2018 KCGM was a significant contributor on 2 occasions at HEW, 5 occasions at HOP and 1 occasion at BSY and CLY demonstrating compliance with the FAQMP objective and target.

A summary of the PM₁₀ dust monitoring results above the NEPM PM₁₀ Standard are listed in Table 6.

Table 5: Dust Monitoring Events Above the NEPM PM₁₀ Standard in 2018

DATE	SITE ID	PM ₁₀ 24-hour average (µg/m ³)	Contribution from KCGM Wind Arc	COMMENT	KCGM Operations Significant Contributor
05/01/2018	BSY	61.8	6.2%	Elevated dust concentrations were associated with west-north west winds.	No
20/01/2018	HOP	60.5	100.0 %	Elevated dust concentrations were associated with east-south-easterly winds. Access tracks used by KCGM to conduct works in the vicinity of HOP were observed to be dusty in the morning and this may have contributed to the elevated PM10 concentrations.	Yes
26/01/2018	HOP	54.8	83.4%	Elevated dust concentrations were associated with north-north west and east-south-east winds.	No
29/01/2018	HOP	74.1	100%	Elevated dust concentrations were associated with south-east and east-south-east winds. KCGM were conducting drilling operations in close proximity to HOP, dust from the cleared drill pad areas and traffic to and from the drilling activities may have contributed to the elevated PM10 dust concentrations. Private vehicles were noted driving off-road in the vicinity of the HOP dust monitor in the afternoon/evening, dust from these vehicles may have also contributed.	Yes
30/01/2018	HOP	51.3	100%	Elevated dust concentrations were associated with east-south-easterly winds. KCGM were conducting drilling operations in close proximity to HOP. Considering the wind direction associated with the period of elevated PM10 dust concentrations, it is likely that KCGM's operations contributed to the elevated PM10 dust concentrations.	Yes
16/02/2018	HOP	64.3	86.1%	Elevated dust concentrations were variable mostly associated with north-east and south-west winds. Source of dust could not be identified but determined KCGM was unlikely to be a contributor due to equipment locations.	No
10/03/2018	HOP	64.1	99.1%	Elevated dust concentrations were associated with south-east winds. No definitive dust source was identified during the period of elevated PM ₁₀ concentrations.	Yes
06/04/2018	CLY	77.9	41.3%	Elevated dust concentrations were associated with north-west to northerly winds.	No
20/04/2018	HOP	87.8	58.0%	Elevated dust concentrations were highly variable associated with north-east east, west-south west and east-south east winds.	No

DATE	SITE ID	PM ₁₀ 24-hour average (µg/m ³)	Contribution from KCGM Wind Arc	COMMENT	KCGM Operations Significant Contributor
14/05/2018	HEW	86.1	84.5%	Elevated dust concentrations were associated with south-east winds. Early levels were due to a regional dust event. KCGM also experienced a localised movement (rock fall) on the eastern wall of the Fimiston Open Pit later that night, it is likely that KCGM's operations contributed to these elevated PM10 dust concentrations.	Yes
15/05/2018	HEW	65.3	96.6%	Elevated dust concentrations were associated with south-east and east-south-east winds. On Monday 14 May at approximately 9:30pm KCGM experienced a rock fall on the eastern wall of the Fimiston Open Pit. Further rock fall occurred at approximately 11am on Tuesday 15 May, and minor movement of the rill material on the rock fall zone later that evening. Considering the wind direction associated with the period of elevated PM10 dust concentrations, it is likely that KCGM's operations contributed to the elevated PM10 dust concentrations.	Yes
24/05/2018	BSY	53.0	98.7%	Elevated dust concentrations were associated with north-east winds. KCGM considers that the main source of dust during the elevated periods is the mobilisation of the fine material from both the pit wall and the pit floor (from previous rockfalls) by the high speed swirling winds.	Yes
	CLY	69.6	98.7%		
	HOP	71.1	99.8%		
25/05/2018	BSY	165.8	21.8%	Elevated dust concentrations were associated with north-north west and north- north east winds and were likely due to a regional dust event.	No
	HEW	101.4	21.7%		
	CLY	155.3	19.4%		
	HOP	117.8	36.2%		
	MEX	77.6	15.7%		
	MTC	187.6	0%		
15/06/2018	HOP	50.5	99.3%	Elevated dust concentrations were associated with east-south easterly winds. KCGM was unlikely to be a contributor due to equipment locations. A private vehicle driving past and a possible dust storm during the time of elevated levels may have contributed.	No
31/07/2018	HOP	52.9	42.0%	Elevated dust concentrations were associated with north-east winds.	No
01/08/2018	MTC	85.9	99.0%	Elevated dust concentrations were	No

DATE	SITE ID	PM ₁₀ 24-hour average (µg/m ³)	Contribution from KCGM Wind Arc	COMMENT	KCGM Operations Significant Contributor
	CLY	54.0	99.7%	associated with north-westerly winds. A regional storm event occurred across Kalgoorlie during the period of elevated levels.	
25/10/2018	HOP	50.2	98.3%	Elevated dust concentrations were associated with south westerly winds. A regional storm event occurred across Kalgoorlie during the period of elevated levels.	No
29/11/2018	HOP	61.2	99.0%	Elevated dust concentrations were associated with south-south east winds. Strong regional winds during the period of elevated levels.	No
	HEW	60.7	99.7%		
24/12/2018	HEW	58.4	100.0%	Elevated dust concentrations were associated with south-south east winds. A review of the video footage from the HEW monitoring station on that day has identified a third party grader grading the dirt road in front of the monitoring station during the 10:00 – 11:00 am period. Dust can be seen being generated from this grading. The video footage also identified that due to this grading activity, further dust was generated by both private vehicles and off road motorbikes using the same road during the afternoon and evening periods of elevated PM10 dust concentrations.	No

6.2 Noise Monitoring

KCGM conducts environmental noise monitoring in accordance with Conditions 8(1) and 8(2) of the *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2016*. Monitoring programmes for both continuous and compliance noise monitoring are specified within the NVMMMP (refer to Section 5.4); these requirements are summarised in Table 6.

No changes were made to the monitoring sites during this reporting period.

Table 6: Noise Monitoring Criteria

MONITORING PROGRAMME	SITE ID	SAMPLING FREQUENCY	PARAMETER	APPLICABLE STANDARDS OR LIMITS
Continuous	BPS	One hour averages calculated from continuous monitoring	L _A 10 L _A 50 L _A max	Nil
	MEP	5 minute averages calculated from continuous monitoring	L _{eq}	Nil

MONITORING PROGRAMME	SITE ID	SAMPLING FREQUENCY	PARAMETER	APPLICABLE STANDARDS OR LIMITS		
Compliance	BSW BPS KTS OSB YSB	Minimum 15 minute sample measured each quarter during night time period	L _A 10 L _A max	Night Time Period		
				Location	L _A 10	L _A max
				BSW	45 + WIF	55 + WIF
				BPS	45 + WIF	52 + WIF
				KTS	45 + WIF	52 + WIF
				OUT	49 + WIF	60 + WIF
				YST	49 + WIF	60 + WIF
WIF: Weather Influencing Factor						

Continuous Environmental Noise Monitoring

Since 1993, continuous noise monitoring, as far as practical, was conducted at the Kalgoorlie Technical School (KTS) and Boulder Primary School (BPS). In accordance with the *Environmental Protection (Fimiston Gold Mine Noise Emissions Approval 2016)* KTS was replaced by Metals Exploration Premises (MEP) as a continuous noise monitoring site. Continuous noise data was recorded at KTS until 30 June 2016; and the site decommissioned thereafter.

The MEP monitoring site was installed in October 2011 to provide publicly available real time noise monitoring data. The data is updated every 15 minutes and is available from the KCGM website (www.superpit.com.au).

During the reporting period continuous noise monitoring was conducted in accordance with the NVMMP.

Compliance Environmental Noise Monitoring

Compliance environmental noise monitoring was implemented in August 2009 and is undertaken each quarter at five reference locations, as stipulated in the *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2016*. Monitoring is completed by specialist noise consultants using a manned sound level meter to determine compliance against the noise level standards set in the *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2016*.

During the reporting period compliance monitoring was undertaken during the night time period on the following dates:

- 07 – 08 February 2018;
- 30 April – 01 May 2018;
- 24 July 2018; and
- 08 – 09 October 2018.

During the reporting period the measured noise levels at all reference locations complied with the approved noise levels for the night time period. Results of continuous noise monitoring and compliance noise monitoring are included in the Quarterly Noise and Blast Monitoring Reports submitted to the DWER as required under the NVMMP. The Q1, Q2, Q3 and Q4 reports were submitted to the DWER on 23 May 2018, 20 July 2018, 14 November 2018, and 07 February 2019 respectively.

Noise Regulation 17 Variation

In 2009, KCGM was granted a noise variation under the *Environmental Protection (Noise) Regulations 1997* Regulation 17(7). This variation was gazetted on 14 July 2009 as the *Environmental*

Protection (Fimiston Gold Mine Noise Emissions) Approval 2009. The 2009 Approval was valid for 5 years until 13 July 2014 unless KCGM applied for a further approval within the first four years. Accordingly, on 21 June 2013 KCGM re-applied for a Noise Regulation 17 Variation (NR17V) which the Minister referred to the DER on the 22 July 2013 for assessment.

The DER’s assessment was completed over a two year period and included KCGM providing additional supporting information (November 2013), answering several queries relating to KCGM’s haul truck fleet (November 2014), and the updating of “Schedule 1 – Fimiston Gold Mine Location Plan” based on DER feedback (March 2015).

In May 2015, the DER provided a draft assessment report “Noise Regulation 17 Application for Fimiston Gold Mine” for review by KCGM. After liaising with the DER on suggested amendments to the report, a final assessment report was prepared 01 July 2015.

A copy of the NR17V approval note was reviewed by KCGM and the DER were advised on the 10 December 2015. The NR17V was approved by the Minister and the *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2016* was published in the Government Gazette on 22 March 2016. No appeals were lodged against the approval.

6.3 Blast Monitoring

Permanent blast monitoring sites for the Fimiston Open Pit were established by KCGM in 1993 as part of the NVMMP. Ground vibration and airblast are monitored using Advanced Texcel remove blast monitor (ETM) equipment. There are six monitors permanently installed at sites between the Fimiston Open Pit and the City of Kalgoorlie-Boulder.

Recording of a blast is triggered by ground vibration exceeding the set trigger level of 0.5 mm/s. The trigger level is an internal level set well below the applicable standards and regulations in order to track blast vibration patterns and trends.

KCGM’s blast monitoring programme is specified within the NVMMP (refer to Section 5.2.5) and in accordance with Condition 9 of MS782; the requirements are summarised in Table 7 and Table 8.

Table 7: Blast Monitoring Criteria - Vibration

SITE ID	SAMPLING FREQUENCY	APPLICABLE STANDARDS OR LIMITS
Alpha Bravo Charlie Delta Echo Foxtrot	Each blast	Shall not exceed 5 mm/s for 90% of blasts per year Shall not to exceed 10 mm/s for any blast No more than one in ten consecutive blasts shall exceed 5 mm/s

Table 8: Blast Monitoring Criteria - Airblast

SITE ID	SAMPLING FREQUENCY	TIME OF DAY	APPLICABLE STANDARDS OR LIMITS
Alpha	Each blast	0700 to 1800 hours Any Day	No blast greater than 120 dB $L_{Z\ peak}$ 9 in any 10 consecutive blasts less than 115 dB $L_{Z\ peak}$

SITE ID	SAMPLING FREQUENCY	TIME OF DAY	APPLICABLE STANDARDS OR LIMITS
Bravo Charlie Delta	Each blast	0700 to 1800 hours Monday to Saturday (excluding public holidays)	No blast greater than 125 dB L _{Z peak} 9 in any 10 consecutive blasts less than 120 dB L _{Z peak}
		0700 to 1800 hours Sunday and public holidays	No blast greater than 120 dB L _{Z peak} 9 in any 10 consecutive blasts less than 115 dB L _{Z peak}
Echo Foxtrot	Each blast	0700 to 1800 hours Any Day	No blast greater than 125 dB L _{Z peak} 9 in any 10 consecutive blasts less than 120 dB L _{Z peak}
Alpha Bravo Charlie Delta Echo Foxtrot	Each blast	1800 to 0700 hours	No blast greater than 90 dB L _{Z peak}

For the reporting period KCGM can confirm that:

- All blasts were detonated on the premises between 0700 hours and 1800 hours;
- No blasts were detonated outside the requirements under Condition 7-4 and 9-1 of MS782;
- All reasonable effort was taken to avoid blasting on Sundays.

There were no non-compliance events during the reporting period.

For further information please refer to the *Quarterly Noise and Blast Monitoring Reports*.

Amendments to the Environmental Protection (Noise) Regulations 1997 (Airblast Levels)

Amendments to the *Environmental Protection (Noise) Regulations 1997* were gazetted on 5 December 2013. One of the key amendments which impacted KCGM was a reduction in airblast levels under Regulation 11, which became effective on 6 March 2014.

KCGM submitted an application on 6 March 2014 for approval to allow the emission of airblast as a result of blasting in the Fimiston Open Pit to vary from the standards specified in Regulation 11. The application is for the existing KCGM Fimiston Operations and that airblast levels at sensitive site blast monitoring locations remain at those previously set for this operation (i.e. no blast greater than 125 dB and levels for 9 in any 10 consecutive blasts not greater than 120 dB).

In April 2014, the Minister referred the application to the DER for assessment. In December 2015 the *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2015* was finalised by the DER following feedback from KCGM.

In March 2016 KCGM's *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2016* was gazetted (published in the Government Gazette) allowing airblast levels to vary from the Environmental Protection (Noise) Regulations 1997 (WA) at monitoring sites Bravo, Charlie and Delta.

No changes to the blast regulations have occurred in the reporting period.

7. STAKEHOLDER CONSULTATION

KCGM is committed to developing and maintaining successful working relationships with stakeholders who are impacted directly and indirectly by mining operations. Good communication and engagement is crucial to sustaining effective relationships and maintaining KCGM's social license to operate within the Kalgoorlie-Boulder community.

KCGM's proximity to the city of Kalgoorlie-Boulder has necessitated a sustained effort in stakeholder engagement. KCGM has an established stakeholder engagement network and utilises a range of mechanisms to facilitate consultation and capture input from the Kalgoorlie-Boulder Community on an ongoing basis.

Key relevant government agency consultation is listed below in Table 10 and non-government agency consultation is listed in Table 11.

Table 9: Government Agency Stakeholder Consultation

GOVERNMENT AGENCIES	CONSULTATION
City of Kalgoorlie-Boulder (CKB)	<ul style="list-style-type: none"> • Land Access and property issues • Strategic Town Planning • Mine Closure Plan • Standing invitation to the CRG monthly meetings
Clean Energy Regulator (CER)	<ul style="list-style-type: none"> • National Greenhouse and Energy Reporting
Department of Water and Environmental Regulation (DWER)	<ul style="list-style-type: none"> • Prescribed Premises Licences • Works Approvals • Annual Environment Report • Annual Audit Compliance Reporting • Annual Inspection • Fimiston Air Quality Management Plan • Dust events above NEPM PM₁₀ Standard • Air Quality Data • Noise Regulation 17 Variation • Noise and Vibration Monitoring and Management Plan • National Pollutant Inventory (NPI) • Standing invitation to the CRG monthly meetings • Groundwater Licensing • Amendments to Ministerial Statements • Annual Compliance Assessment Report • Noise and Blast Quarterly Monitoring Reports • Mine Closure Plan
Department of Health (DoH)	<ul style="list-style-type: none"> • Fimiston Air Quality Management Plan • Dust events above NEPM PM₁₀ Standard
Department of Aboriginal Affairs (DAA)	<ul style="list-style-type: none"> • Heritage planning and protection of any heritage sites • Mine Closure Plan

GOVERNMENT AGENCIES	CONSULTATION
	<ul style="list-style-type: none"> Standing invitation to the CRG monthly meetings
Main Roads Western Australia (MRWA)	<ul style="list-style-type: none"> Permitting for haul truck transport on main roads Void management Road Reserve information
Department of Mines, Industry Regulation and Safety (DMIRS)	<ul style="list-style-type: none"> Annual Environment Reports Mining Rehabilitation Fund Reports Closure and rehabilitation planning Environmental and Exploration Approvals Mining Proposals Mine Closure Plan Standing invitation to the CRG monthly meetings
Department of Biodiversity, Conservation and Attractions (DBCA)	<ul style="list-style-type: none"> Environmental and Exploration Approvals Conservation Management Plans
Department of Planning, Lands and Heritage (DPLH)	<ul style="list-style-type: none"> Mine Closure Plan Heritage matters (namely the Boulder Railway Station, Subway, Loopline Railway and Cornwall Hotel)
Water Corporation	<ul style="list-style-type: none"> Water Efficiency Management Plan

Table 10: Non-government Agency Stakeholder Consultation

NON-GOVERNMENT AGENCIES	CONSULTATION
Chamber of Mineral and Energy (CME)	<ul style="list-style-type: none"> Mining Industry representative body KCGM representative attends bimonthly Community Relations and Goldfields Environment Forums
Community Reference Group (CRG)	<ul style="list-style-type: none"> Monthly CRG meetings
Kalgoorlie-Boulder Chamber of Commerce and Industry (KBCCI)	<ul style="list-style-type: none"> Standing invitation to the CRG monthly meetings Local and regional development
Kalgoorlie Boulder Urban Landcare Group (KBULG)	<ul style="list-style-type: none"> Representative at bimonthly committee meetings Urban land rehabilitation
Golden Mile Loopline Railway Society (GMLRS)	<ul style="list-style-type: none"> Railway design and KCGM support KCGM representative on GMLRS Board

APPENDIX A: MINISTERIAL CONDITIONS AUDIT TABLE



Period: 1 January to 31 December 2018

Note:

- Phases that apply in this table = Pre-Construction, Construction, Operation, Decommissioning, Overall (several phases)
- Code prefixes: M = Minister's condition; P = Proponent's commitment; A = Audit specification; N = Procedure.
- Any elements with status = "Audited by proponent only" are legally binding but are not required to be addressed specifically in compliance reports, if complied with.
- Abbreviations: Annual Environmental Report (AER); Compliance Assessment Report (CAR); Chief Executive Officer(CEO); City of Kalgoorlie-Boulder (CKB); Community Reference Group (CRG); Department of Environment Regulation (DER); Department of Mines, Industry Regulation and Safety (DMIRS); Department of Mines and Petroleum (DMP); Department of Water and Environmental Regulation (DWER); Environmental Protection Authority (EPA); Golden Mile Mining Development Planning Committee (GMMDPC); Goldfields Dust Abatement Committee (GDAC); Department of Health (DoH); Heritage Council Western Australia (HCWA); Office of the Environmental Protection Authority (OEPA); Water Authority of Western Australia – (WAWA); Water and Rivers Commission (WRC).
- Compliance Status: C = Compliant, CLD = Completed, NC = Non-compliant, PNC = Potential Non-Compliance, NR = Not required at this stage.

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
Ministerial Statement No. 188									
188:M1	Proponent Commitments	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 Mine and Waste Dumps - Fimiston.	Fulfil the environmental commitments for this project, Fimiston Project Stage II, Mine and Waste Dumps (248)	Annual Audit Compliance Report for 188:M and 782:M submitted to the DWER annually by the 28 Feb.	Minister for Environment		Overall	Ongoing	C
188:M2.1	Detailed Implementation	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 EPA with the proposal.	Project implemented in accordance with these conditions.	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 782:M1.1.	Minister for Environment		Overall	Ongoing	NR
188:M2.2	Detailed Implementation	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 EPA, is not substantial, those changes may be effected.	Seek approval to change the implementation of the proposal.	Section 45C approved in 2000 for Croesus Rehabilitation Project. Section 45C approved in 2004 for Southern Landform Extension Project. Section 45C approved in 2005 for Southern Central Waste Dump. Section 45C approved in 2006 for the realignment of the Noise Bund and the Loopline Railway Access.	Minister for Environment		Overall	Ongoing	NR
188:M3.1	Annual Rehabilitation Plan	The proponent shall, within 12 months of the date of this statement (24 October 1991), prepare and subsequently implement brief annual rehabilitation plans for the Fimiston operations to the satisfaction of the DMP on advice from the GMMDPC.	Prepare Annual Rehabilitation Plans and have them approved.	Rehabilitation activities are outlined in the KCGM Mine Closure Plan. The 2015 Mine Closure Plan was approved by the EPA 19 November 2015. The 2018 Mine Closure Plan was approved by the DMIRS 6 August 2018; approval by DWER/EPA is pending. (. A copy is available from the KCGM website (www.superpit.com.au).	DMIRS	GMMDPC (no longer exists)	Operation	Annually	C

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
188:M4.1	Noise	Until 31st December 1991, the proponent shall operate the project in such a manner as to achieve reasonable noise levels in the surrounding residential areas to the satisfaction of the Minister of the Environment From January 1992, the proponent shall meet noise level standards to be set by the Minister of the Environment in consultation with the Minister for Mines and the CKB. Should these standards not be available by that date, then the proponent shall meet interim noise level standards set by the EPA.	Manage noise emissions	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 782:M8.	Minister for Environment	CKB, Minister for Mines and Petroleum	Operation	Up until 31 December 1991	NR
188:M4.2	Noise		Minister for the Environment shall set noise level standards when standards are available	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 782:M8. Noise Level Standards were issued in 1992. Superseded by Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2009, and Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2016.	Minister for Environment	Minister of Environment	Operation	From January 1992 until Noise Regulation 17 Variation was approved 14 July 2009.	NR
188:M5.1	Noise, Vibration and Dust	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 (24 October 1991), prepare and subsequently implement a noise and vibration monitoring and management programme to the satisfaction of the EPA and a dust monitoring and management programme to the satisfaction of the EPA on advice from the GDAC.	Prepare a Noise and Vibration Monitoring Programme and have it approved	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 782:M9.6.	EPA	GDAC (no longer exist)	Operation	Within 6 months from 24 October 1991	NR
188:M5.2	Noise, Vibration and Dust		Control noise and vibration generation (i.e. implement programme)	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 782:M9.7.	EPA		Operation	Ongoing	NR
188:M5.3	Noise, Vibration and Dust		Prepare a Dust Monitoring and Management Programme and have it approved	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 782:M7.	EPA	GDAC (no longer exist)	Operation	Ongoing	NR
188:M5.4	Noise, Vibration and Dust		Control and monitor dust generation (i.e. implement programme)	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 782:M7.	EPA		Operation	Ongoing	NR
188:M6.1	Waste Dumps	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 of the Environment on advice from the EPA.	Prepare a Waste Dumping Management Plan and have it approved	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 782:M6.	Minister for Environment	EPA	Operation	Prior to dumping waste within 500m of residences.	NR

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
188:M6.2	Waste Dumps		Control the disposal of waste	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 782:M6.	Minister for Environment		Operation	Ongoing	NR
188:M7.1	Borefields and Pipeline	The proponent shall ensure that there are no unacceptable detrimental effects upon the environment resulting from leakage of hypersaline borewater along the Gidji or Lakewood borefields systems. Accordingly, within six months of the date of this statement (24 October 1991), the proponent shall prepare and implement a review of the operation of the borefields and pipelines to the satisfaction of the EPA on advice from the WAWA. This review shall include proposals for improved design, maintenance and monitoring for these facilities.	Prepare a Review of the Operation of the Gidji and Lakewood borefields and pipeline systems	Hypersaline Water Management Program accepted by EPA on 28 October 1992 (EPA Reference 104/87).	EPA	WAWA	Operation		CLD
188:M7.2	Borefields and Pipeline		Implement improvements.	Saline water use and management information is provided in the KCGM AER which is to be submitted to the regulators on an annual basis by the 31 March.	DWER		Operation	Ongoing	C
188:M8.1	Decommissioning	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 EPA. 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 GMMDPC.	Prepare a Decommissioning and Rehabilitation Plan and have it approved	The latest MCP (titled "Mine Closure Plan (March 2018) was approved by DMIRS on 06 August 2018, approval by DWER/EPA is pending. Refer to Section 5.4 of this report.	EPA		Pre-decommissioning	At least 6 months prior to decommissioning.	NR
188:M9	Transfer of Proponent	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 of 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.	Seek approval for transfer of proponent	KCGM is still the proponent.	Minister for Environment		Overall	Ongoing	NR

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
188:M10	Time Limit of Approval	If the proponent has not substantially commenced the project within five years of the date of this statement (24 October 1991), then the approval to implement the proposal as granted in this statement shall lapse and be void. The Minister of 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 of 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 EPA).	Substantially commence project	The project was substantially commenced within five years of the date of this statement (24 October 1991).	Minister for Environment		Pre-operation	Before 24 October 1996.	CLD
188:P1.1	Environmental Management	KCGM will prepare and implement, by December 1992, an Environmental Management Programme (EMP) for all of its operations in agreement with the EPA and the DMP.	Prepare an Environmental Management Programme and have it approved	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 188:M3, 188:M5 (now 782:M9 and 782:M7) 188:M6 (now 782:M6) and 188:M7.	EPA, DMP		Operation	Before December 1992.	NR
188:P1.2	Environmental Management		Manage potential environmental impacts	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 188:M3, 188:M5 (now 782:M9 and 782:M7) 188:M6 (now 782:M6) and 188:M7.	EPA, DMP		Operation	Before December 1992.	NR
188:P2	Annual Report	KCGM undertakes to prepare annual reports of the Mining and Rehabilitation sub-programme of the broader Environmental Management Programme, as agreed with the EPA and the DMP.	Prepare Mining and Rehabilitation Annual Reports.	OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 188:M3.	EPA, DMP		Operation	Annually	NR
188:P3	Geotechnical Investigations	KCGM undertakes to continue an ongoing programme of geotechnical investigations for slope stability purposes and report the findings of these investigations to the DMP.	Continue the Geotechnical Investigations Programme and report results	Geotechnical investigations for Slope Stability are provided in the KCGM AER which is submitted annually to DMIRS by the 31 March.	DMIRS		Operation	Annually	C
188:P4.1	Surface Drainage	KCGM will develop a surface drainage system incorporating sediment detention systems and a water quality monitoring programme.	Develop a Surface Drainage System and water quality monitoring programme.	Surface Drainage System Monitoring Programme accepted by DER on 9 May 2002.	EPA		Operation		CLD
188:P4.2	Surface Drainage	The results of the sampling will be included within the annual report and updated annually.	Report sampling results in the AER	Surface drainage water quality monitoring results are provided in the KCGM AER which is required to be submitted to the DWER on an annual basis by the 31 March.	DWER		Operation	Annually	C
188:P5	Dust	In association with the GDAC 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 GDAC.	Install and support a Dust Monitoring Programme	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 188:M5 (now 782:M9 and 782:M7).	GDAC (no longer exist), Kaltails (no longer exist), EPA		Overall	Ongoing	NR

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
188:P6	Noise	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.	Implement an approved Noise Monitoring Programme	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 188:M5 (now 782:M9 and 782:M7).			Overall	Ongoing	NR
188:P7	Rehabilitation	KCGM will implement a progressive rehabilitation programme as outlined in Section 4.3 (Consultative Environmental Review Mine and Waste Dumps-Fimiston KCGM August 1990) as agreed with the Environmental Protection Authority in consultation with the Department on Mines.	Rehabilitate the project and environs	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 188:M3.		EPA, DMP	Overall	Ongoing	NR
Ministerial Statement No. 782 Fimiston Gold Mine Operations Extension (Stage 3) and Mine Closure Planning									
782:M1.1	Proposal Implementation	The proponent shall implement the proposal as documented and described in schedule I of this statement subject to the conditions and procedures of this statement.	Project implemented in accordance with these conditions.	The CAR for 188:M and 782:M (this report) is submitted to the DWER annually and details the implementation of the proposal in accordance with the conditions and procedures of 782:M.	Minister for Environment		Overall	Ongoing	C
782:M2.1	Proponent Nomination and Contact Details	The proponent for the time being nominated by the Minister for the Environment under sections 38(6) or 38(7) of the Environmental Protection Act 1986 is responsible for the implementation of the proposal.	Proponent to be nominated	KCGM is the proponent. Nominated in Section 1.4 of the Public Environmental Review – Fimiston Operations Extension (Stage 3) and Mine Closure Planning.	Minister for Environment		Overall	Ongoing	C
782:M2.2	Proponent Nomination and Contact Details	The proponent shall notify the CEO of the DER of any change of the name and address of the proponent for the serving of notices or other correspondence within 30 days of such change.	Notify the CEO of any change in proponent details.	KCGM is still the proponent and the address for the serving of notices has not changed.	DWER		Overall	Within 30 days of such change.	C
782:M3.1	Time Limit of Authorisation	The authorisation to implement the proposal provided for in this statement shall lapse and be void within five years after the date of this statement if the proposal to which this statement relates is not substantially commenced.	Approval lapses within 5 years if not substantially commenced	No longer relevant as project has substantially commenced (see 782:M3.2 below).	Minister for Environment		Overall	On or before the expiration of five years from the date of this statement. 29 January 2014.	CLD The report from the OEPA Desktop Audit conducted on 10 October 2013 confirms that this condition is closed. Report dated 18 October 2013.
782:M3.2	Time Limit of Authorisation	The proponent shall provide the CEO with written evidence which demonstrates that the proposal has substantially commenced on or before the expiration of five years from the date of this statement.	Letter notifying the CEO that the proposal has substantially commenced.	KCGM letter dated 23 September 2010 to OEPA notifying that the Golden Pike Cutback had substantially commenced.	DER		Overall	On or before the expiration of five years from the date of this statement. 29 January 2014.	CLD The report from the OEPA Desktop Audit conducted on 10 October 2013 confirms that this condition is closed. Report dated 18 October 2013.

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
782:M4.1	Compliance Reporting	The proponent shall submit to the CEO environmental compliance reports annually reporting on the previous twelve-month period, unless required by the CEO to report more frequently.	Submit annual compliance reports, covering the conditions of this audit program, unless otherwise required by the CEO to report more frequently.	The CAR (this report) for 188:M and 782:M is submitted to the DWER annually by the 28 February. Approval to change the reporting period to 1 January to 31 December (and submission date from 29 March to 28 February) was received from the OEPA on 6 December 2010.	DWER		Overall	Annually on or before 28 February.	C
782:M4.2	Compliance Reporting	The environmental compliance reports shall address each element of an audit program approved by the CEO and shall be prepared and submitted in a format acceptable to the CEO.	Submit annual compliance reports, in a format approved by the CEO.	The CAR (this report) for 188:M and 782:M is submitted to the DWER annually by the 28 February. Report format was agreed to by the DER prior to release and follows the format specified in "Compliance Monitoring and Reporting – Guidelines for Proponents, Aug 2007".	DWER		Overall	Annually on or before 28 February.	C
782:M4.3	Compliance Reporting	The environmental compliance reports shall: 1. be endorsed by signature of the proponent's chief executive officer or a person, approved in writing by the CEO, delegated to sign on behalf of the proponent's chief executive officer; 2. state whether the proponent has complied with each condition and procedure contained in this statement; 3. provide, verifiable evidence of compliance with each condition and procedure contained in this statement; 4. state whether the proponent has complied with each key action contained in any environmental management plan or program required by this statement; 5. provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by this statement; 6. identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance; 7. review the effectiveness of all corrective and preventative actions taken; and 8. describe the state of implementation of the proposal.	Submit annual compliance reports, covering the conditions of this audit program.	The requirements of the audit program are covered in the CAR for 188:M and 782:M which is submitted to the DWER annually by the 28 February.	DWER		Overall	Annually on or before 28 February.	C
782:M4.4	Compliance Reporting	The proponent shall make the environmental compliance reports required by condition 4-1 publicly available in a manner approved by the CEO.	Place CAR on the KCGM website www.superpit.com.au	The CAR (this report) will be made available on the KCGM website: www.superpit.com.au within 4 weeks of submission to the DWER.	DWER		Overall	Within 4 weeks of submission to the DWER.	C

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
782:M5.1	Performance Review	The proponent shall submit a Performance Review report every five years after the start of mining activities forming part of the expanded and revised proposal to the Environmental Protection Authority, which addresses: 1. the major or environmental issues associated with implementing the project; the environmental objectives for those issues; the methodologies used to achieve these; and the key indicators of environmental performance measured against those objectives; 2. the level of progress in the achievement of sound environmental performance, including industry benchmarking, and the use of best available technology where practicable; 3. significant improvements gained in environmental management, including the use of external peer reviews; 4. stakeholder and community consultation about environmental performance and the outcomes of that consultation, including a report of any on-going concerns being expressed; and 5. the proposed environmental objectives over the next five years, including improvements in technology and management processes.	Performance Review Report submitted every five years after the start of mining activities addressing the relevant issues.	The first 5 Year Performance Report was submitted to the OEPA on the 30 April 2015. This was the first Five Year Performance Review Report prepared for the Fimiston Operations and covers the calendar year periods from 2010 to 2014 to align with KCGM's annual environmental reporting. The next 5 year performance report will cover the period from 2015 to 2019, and be due by the 31 March 2020.	Minister for Environment		Overall	Every five years after the start of mining activities, first due by 31 March 2015. An extension was granted until the 30 April by the OEPA (19 March 2015 – Paul Zahra) to submit the first 5 Year Performance Report. The next 5 year performance report is due by the 31 March 2020.	C
782:M5.2	Performance Review	The proponent shall make the Performance Review reports required by condition 5-1 publicly available in a manner approved by the CEO.	Place Performance Review reports on the KCGM website www.superpit.com.au	A copy of the 5 Year Performance Report submitted to the OEPA on the 30 April 2015 is available on the KCGM website (www.superpit.com.au) and was loaded within two weeks of the submission.	DWER		Overall	Within 2 weeks of submission to the DER.	C

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
782:M5.3	Performance Review	The proponent shall appoint and fund an independent environmental auditor for an initial period of eighteen months to report to the community through the community reference group and to the Minister for Environment on the environmental performance of the proponent. The auditor shall: 1. check on compliance with the Ministerial Conditions contained in this Statement; 2. report on the results of dust monitoring and actions taken where dust levels have exceeded set criteria and can be attributable to the proponent; 3. report on consistency with the noise criteria set through the Regulation 17 approval process; 4. report on compliance with conditions set in the licence and performance against environmental criteria set by the licence; 5. report six monthly to the community reference group any non-compliance of conditions or inconsistency with environment criteria as soon as practicable after identifying that non-compliance or inconsistency; and 6. carry out an overall review after eighteen months and advise the Minister for Environment as to whether the independent auditing should continue.	KCGM to appoint an independent environmental auditor. Six Monthly environmental performance review reports to CRG for initial 18 month period. Overall 18 month environmental performance review to the Minister for Environment.	Keith Lindbeck of Keith Lindbeck and Associates was appointed as the independent auditor on 17 June 2009. The first 6 monthly performance review (period 29 January 2009 to 28 July 2009) was presented to the CRG on 11 February 2010. The second 6 monthly performance review (period 29 July 2009 to 28 January 2010) was presented to the CRG on 13 May 2010. The third 6 monthly performance review (period 29 January 2010 to 28 July 2010) was presented to the CRG on 9 December 2010. The overall review of the eighteen months was submitted to the Minister for Environment on the 14 April 2011. The review recommended that the audit period be extended to include an additional two six month audit periods to ensure that the audits covered an eighteen month period of active mining. (Active mining commenced in April 2010.) The two additional audit periods were consented to by the Minister for Environment on 3 June 2011. Minutes from CRG Meetings are available on the KCGM website: www.superpit.com.au .	Minister for Environment		Overall	Six Monthly environmental performance review reports to CRG for initial 18 month period ending 28 July 2010. Overall review after eighteen months and advise the Minister for the Environment as to whether the independent auditing should continue.	CLD The report from the OEPA Desktop Audit conducted on 10 October 2013 confirms that this condition is closed. Report dated 18 October 2013.

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
782:M5.4	Performance Review	Subject to the outcomes of the eighteen month review described in item 6 of condition 5-3, the proponent will continue to fund the independent environmental auditor after the initial period of eighteen months for such time as determined by the Minister for Environment.	If required continue to fund the independent auditor to report 6 monthly to the CRG for such time as determined by the Minister of the Environment	<p>The eighteen months overall review was presented to the CRG on the 14 April 2011. On 3 June 2011, the Minister advised the auditor that he had accepted the recommendation for the continuation of the audit for a further two audit periods with the audit period to cease on 28 September 2011. The Minister also requested a further review and recommendation from the auditor for continuation or cessation of the audit process on completion of the second audit period (28 September 2011).</p> <p>On 30 June 2011 KCGM requested that the Auditor consider the two additional audit periods cover the periods 29 July 2010 to 31 March 2011 and 1 April 2011 to 30 September 2011 as these dates coincide with KCGM's quarterly reporting periods. This was agreed to by the Auditor.</p> <p>Both the fourth and fifth independent environmental audits were completed. The results of the fourth audit were presented to the CRG on the 8 March 2012 and the results of the fifth audit presented to the CRG on the 17 May 2012.</p> <p>For both the fourth and fifth audit periods the Auditor found that "There were no limits exceeded or non-compliances sighted that could be attributed to the expansion of the Fimiston Operations as set down by the Ministerial Conditions (Statement No. 782) or by the DER operating licence (L6420/1988/12.".</p> <p>In a letter dated 7 August 2012 to the General Manager of the OEPA, Mr Kim Taylor, the Auditor, stated that "As no breaches of Conditions or no non-compliances have been identified over the audit period, I recommend that no further audit periods be required for the Golden Pike Cutback and Closure Plan at KCGM in Kalgoorlie. I also recommend that Ministerial Conditions 782:M5.3 and 782:M5.4 be classified as "Completed" under the OEPA audit classification system." In a letter from the OEPA dated 22 August 2012 and addressed to the General Manager of KCGM, the OEPA confirmed that it had reviewed the information provided by the Auditor and was satisfied that the requirements of conditions 5-3 and 5-4 had been met and that the OEPA compliance monitoring database had been updated to reflect the status of the conditions.</p>	Minister for Environment		Overall	Until determined by the Minister for Environment.	CLD The report from the OEPA Desktop Audit conducted on 10 October 2013 confirms that this condition is closed. Report dated 18 October 2013.

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
782:M6.1	Dumping of Waste within five hundred metres of Residences	Prior to the dumping of waste within five hundred 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 requirements of the Minister for Environment on advice of the DER.	Prepare and implement a management plan for waste dumping.	Section 45C approved in 2000 for Croesus Rehabilitation Project. Section 45C approved in 2004 for Southern Landform Extension Project. Section 45C approved in 2005 for Southern Central Waste Dump. Section 45C approved in 2006 for the realignment of the Noise Bund and the Loopline Railway Access. No dumping is occurring with 500m of residences outside of approved plans.	Minister for Environment	DER	Overall	Prior to the dumping of waste within five hundred metres of residences.	NR
782:M6.2	Dumping of Waste within five hundred metres of Residences	In the preparation of the management plan for waste dumping required by condition 6-1, the proponent shall consult with residents within five hundred metres of the dumping of waste and the environmental health staff of the CKB.	Consult with environmental health staff of the CKB and residents within 500m of the waste dumping in preparation of waste dumping management plan.	Not required at this stage. New condition in 2009, did not specifically apply to historical approvals outlined in 782:M6.1 (although consultation was undertaken).	Minister for Environment	CKB	Overall	Prior to the dumping of waste within five hundred meters of residences	NR
782:M7.1	Air Quality	Within three months following the issuing of the notice to the decision-making authorities under section 45(7) of the Environmental Protection Act 1986, the proponent shall implement the Air Quality Management Plan (September 2007) to the requirements of the Minister for Environment on advice of the DER and the DoH.	Implement the Air Quality Management Plan (September 2007) within 3 months of the issuing of the notice to the decision-making authorities to the requirements of the Minister of the Environment on advice of the DER and the DoH.	OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 782:M7.3. The FAQMP is being implemented. Consultation with the DER and the DoH in preparation of this plan was undertaken by the EPA during the PER process.	Minister for Environment	DER, DoH	Overall	Within three months following the issuing of the notice.	NR
782:M7.2	Air Quality	The proponent shall review the Air Quality Management Plan referred to in condition 7-1 at twelve-monthly intervals, unless otherwise required by the EPA, and shall amend the Plan to the requirements of the Minister for Environment on advice of the DER and the DoH.	Annual review of the FAQMP to the requirements of the Minister for the Environment on advice of the DER and the DoH.	The FAQMP review was amended from annual review to a three yearly revision cycle following approval of the 2012 FAQMP by the OEPA on 14 August 2013. The triennial revision of the FAQMP was submitted to the OEPA on 23 December 2015, and was subsequently approved on 29 June 2016.	Minister for Environment	DWER, DoH	Overall	Three yearly from 2012.	C
782:M7.3	Air Quality	The proponent shall implement the amended Air Quality Management Plan required by condition 7-2.	Implement the amended FAQMP at twelve monthly intervals or as otherwise required by the EPA. Review cycle approved by the OEPA to be now three yearly.	The FAQMP (December 2015) was implemented following approval on 29 June 2016, superseding the 2012 version. This CAR provides an audit table in Appendix B indicating compliance with the measures that were implemented. The FAQMP (December 2015) is available on the KCGM website: www.superpit.com.au .	Minister for Environment		Overall	Ongoing.	C
782:M7.4	Air Quality	The proponent shall only detonate explosives at surface level on the premises when wind directions favour the carriage of dust away from the residential areas of Kalgoorlie-Boulder, unless undertaken in accordance with regulation 8.28 (4) of the Mines Safety and Inspection Regulations 1995.	Detonate explosives at surface level on the premises when wind directions favour the carriage of dust away from the residential areas of Kalgoorlie-Boulder, unless undertaken in accordance with regulation 8.28 (4) of the Mines Safety and Inspection Regulations 1995.	Detonations of explosives at surface level were undertaken in accordance with KCGM's Blasting Dust Management Plan as contained within the FAQMP. No blasts were undertaken in accordance with regulation 8.28 (4) of the <i>Mines Safety and Inspection Regulations 1995</i> for the reporting period.	Minister for Environment		Overall	Ongoing	C
782:M7.5	Air Quality	The proponent shall make available continuous dust monitoring data on their website within 24 hours of the recording of that data.	Continuous dust monitoring data is available on the KCGM website within 24 hours of the recording of that data.	PM ₁₀ monitoring data was not made available on the KCGM website within 24 hours of the recording of that data on the 16 November 2018. Refer to Section 5.1	Minister for Environment		Overall	Within 24 hours of recording data.	PNC

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
782:M7.6	Air Quality	The proponent shall install two additional dust monitoring stations, which are to be co-located with the existing wind speed and wind direction monitoring stations.	Install two additional dust monitoring stations co-located with the existing wind speed and wind direction monitoring stations at MEX and MTC.	Two additional dust monitoring stations were installed at MEX and MTC in June 2009.	Minister for Environment		Overall		CLD
782:M7.7	Air Quality	The proponent shall keep and make publicly available a register of complaints regarding air emissions; investigate those complaints; and keep a record of the investigations and actions taken with regard to the complaint.	Keep and make publicly available a register of complaints regarding air emissions; investigate those complaints; and keep a record of the investigations and actions taken with regard to the complaint. All public feedback and complaints are recorded in the Public Interaction Line (PIL) system including all investigation and control measures implemented.	Complaints regarding air emissions are made publicly available in this CAR which will be made available on the KCGM website (www.superpit.com.au) within 4 weeks of submission to the DWER.	Minister for Environment		Overall	Ongoing	C
782:M8.1	Noise	The proponent shall not conduct any mining activities forming part of the expanded and revised proposal unless and until approval has been granted under regulation 17(7) of the Environmental Protection (Noise) Regulations 1997. Note: In this condition "mining activities" does not include construction work within the meaning of regulation 13 of the Environmental Protection (Noise) Regulations 1997.	Do not conduct any mining activities forming part of the expanded and revised proposal unless and until approval has been granted under regulation 17(7) of the Environmental Protection (Noise) Regulations 1997.	<i>Environmental Protection (Fimiston Gold Mine Noise Emission Approval) 2009</i> was gazetted 14 July 2009. One appeal was received (Appeal No. 282/2009). The appeal against the Noise Regulation 17 Variation was dismissed by the Minister of the Environment 24 March 2010. This Noise Regulation 17 Variation has since been superseded by the <i>Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2016</i> which was gazetted on the 22 March 2016.	Minister for Environment		Overall		CLD
782:M8.2	Noise	The proponent shall undertake noise modeling to determine whether a special control area is required in accordance with the Goldfields-Esperance Regional Planning Strategy.	Undertake noise modeling to determine whether a special control area is required in accordance with the Goldfields-Esperance Regional Planning Strategy.	Noise modeling/reports listed below were prepared for the noise assessment of the project and are available on the KCGM website. Golden Pike Noise Report June 2005. Northern Waste Rock Dump Report July 2006. Supplementary Golden Pike Noise Report July 2006. Effects of Blasting in the Golden Pike Cutback February 2006. Noise Contour Map of worse case emissions overlain on CKB Town Planning Scheme was also prepared for this condition.	Minister for Environment		Overall		CLD
782:M8.3	Noise	The proponent shall consult with the Western Australian Planning Commission, Department of Planning and Infrastructure, and the City of Kalgoorlie-Boulder in the implementation of Condition 8-2.	Consult with the Department of Planning and Infrastructure (on behalf of the Western Australian Planning Commission) and the City of Kalgoorlie-Boulder in the implementation of Condition 8-2.	The noise reports/maps listed in M8.2 were provided to DPI (representing Western (WAPC)) and CKB. Meeting minutes of a meeting held between DPI, CKB and KCGM on 24 July 2009. Correspondence provided to DPI, CKB 18 December 2009.	Minister for Environment	WAPC, DPI, and CKB	Overall		CLD

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
782:M9.1	Airblast and Vibration from Blasting	The proponent shall only detonate explosives on the premises between the hours of 0700 hours and 1800 hours unless undertaken in accordance with regulation 8.28 (4) of the Mines Safety and Inspection Regulations 1995.	Detonate explosives on the premises between the hours of 0700 hours and 1800 hours unless undertaken in accordance with regulation 8.28 (4) of the Mines Safety and Inspection Regulations 1995. Blast in accordance with the FAQMP.	All blasts were detonated on the premises between 0700 hours and 1800 hours during the audit period. Refer to Section 6.3 of this report and the Quarterly Noise and Blast Monitoring Reports.	Minister for Environment		Overall	Ongoing	C
782:M9.2	Airblast and Vibration from Blasting	Where explosives are detonated on the premises outside the requirements specified in conditions 7-4 and 9-1, the circumstances which led to such detonation being necessary shall be reported by the proponent to the CEO within 36 hours following detonation.	Report to the CEO within 36 hours following detonation of explosives on the premises outside the requirements specified in 7-4 and 9-1 including the circumstances which led to such detonation being necessary.	No blasts were detonated outside the requirements under conditions 7-4 and 9-1. Refer to Section 6.3 of this report.	DWER		Overall	Within 36 hours following detonation.	C
782:M9.3	Airblast and Vibration from Blasting	The proponent shall ensure that all airblast levels due to blasting comply with Regulation 11 of the Environmental Protection (Noise) Regulations 1997.	Blast in accordance with the NVMMP to ensure that all airblast levels due to blasting comply with Regulation 11 of the Environmental Protection (Noise) Regulations 1997.	All airblast levels due to blasting were in compliance with <i>Environmental Protection (Noise) Regulations 1997 (WA)</i> during the reporting period. In March 2016 <i>KCGM's Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2016</i> was gazetted allowing airblast levels to vary from the Environmental Protection (Noise) Regulations 1997 (WA). Refer to Section 6.3 of this report.	Minister for Environment		Overall	Ongoing	C
782:M9.4	Airblast and Vibration from Blasting	The proponent shall make all reasonable effort to avoid blasting on Sundays.	Blast in accordance with the NVMMP and make all reasonable effort to avoid blasting on Sundays.	Whilst no blasts are scheduled to be fired on a Sunday and all reasonable efforts are made to avoid blasting on a Sunday, Sunday blasts do occur from time to time. When they do occur, reasons for the blasts are provided to the DWER in the Noise and Blast Monitoring Quarterly Reports. Refer to Section 6.3 of this report.	Minister for Environment		Overall	Ongoing	C
782:M9.5	Airblast and Vibration from Blasting	For all blasting, the proponent shall comply with the following vibration limits, measured or calculated in accordance with section J4.2 of Australian Standard 2187.2 2006, for the protection of human comfort at any houses and low rise buildings, theatres, schools and other similar buildings occupied by people and not owned by the proponent: 1. the ppv shall not exceed 5 mm/sec for 90% of blasts per year; 2. the ppv shall not exceed 10 mm/sec for any blast; and 3. no more than one in ten consecutive blasts shall exceed 5 mm/sec ppv.	Blast in accordance with the NVMMP to comply with the following vibration limits: 1. the ppv shall not exceed 5 mm/sec for 90% of blasts per year; 2. the ppv shall not exceed 10 mm/sec for any blast; and 3. no more than one in ten consecutive blasts shall exceed 5 mm/sec ppv.	1. The ppv did not exceed 5 mm/s for 100% of blasts during 2018. 2. The ppv did not exceed 10 mm/s for any blast in this reporting period. 3. No more than one in ten consecutive blasts recorded a vibration level greater than 5 mm/s. Blast monitoring results are available in the Quarterly Noise and Blast Monitoring Reports. Refer to Section 6.3 of this report.	Minister for Environment		Overall	Ongoing	C

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
782:M9.6	Airblast and Vibration from Blasting	Within six months following the issuing of the notice to the decision-making authorities under section 45(7) of the Environmental Protection Act 1986, the proponent shall revise the Revised Noise and Vibration Monitoring and Management Programme, dated June 2004, to the requirements of the Minister for the Environment on advice of the Department of Environment and Conservation.	This Programme shall include: 1. Locations of the airblast and ground vibration monitors and demonstration that these locations meet the requirements of regulation 21 of the Environmental Protection (Noise) Regulations 1997 and section J3.2.2 of Australian Standard 2187.2 - 2006; 2. Description of the monitoring equipment and demonstration that the equipment complies with the requirements of schedule 4 of the Environmental Protection (Noise) Regulations 1997 and section J3.2.1 of Australian Standard 2187.2-2006; 3. Calibration by an approved calibration laboratory and field checks of the monitoring equipment in accordance with schedule 4 of the Environmental Protection (Noise) Regulations 1997 and the manufacturer's specifications and section J3.1.2 of Australian Standard 2187.2 - 2006 (or any subsequent amendment) and recording of calibration; 4. Procedures for the recording of blast information in accordance with section J3.4 of Australian Standard 2187.2-2006; 5. Procedures for the reporting of air blast and vibration monitoring to the Department of Environment and Conservation; and 6. Details of a complaints procedure and recording of complaints and action undertaken to resolve complaints.	A revised 'provisional' NVMMP was submitted to the OEPA and DER 12 August 2009. Approval of the NVMMP was delayed pending an appeal determination against the Environmental Protection (Fimiston Gold Mine Noise Emission Approval) 2009. The appeal was dismissed in March 2010. The NVMMP was amended to include two recommendations made by the appeals committee and submitted in April 2010. Further revision was requested by the OEPA and the final NVMMP was submitted in October 2010 and subsequently approved by the OEPA 6 December 2010. The NVMMP was updated during 2016 following approval of the <i>Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2016</i> . The revision of the NVMMP was submitted to the OEPA on 22 June 2016, and was approved on 1 November 2016. The NVMMP is available on the KCGM website (www.superpit.com.au).	Minister for Environment		Overall	Within six months following the issuing of the notice	CLD The report from the OEPA Desktop Audit conducted on 10 October 2013 confirms that this condition is closed. Report dated 18 October 2013.
782:M9.7	Airblast and Vibration from Blasting	The proponent shall implement the Revised Noise and Vibration Monitoring and Management Programme required by condition 9-6.	Implement the Revised NVMMP within six months following the issuing of the notice.	The 'provisional' NVMMP submitted 12 August 2009 was implemented. The DER accepted the NVMMP as information only (pending the outcome of the appeal against the Environmental Protection (Fimiston Gold Mine Noise Emission Approval 2009)). Superseded by 782:M9.9.	Minister for Environment		Overall	Within six months following the issuing of the notice	CLD
782:M9.8	Airblast and Vibration from Blasting	The proponent shall review the Revised Noise and Vibration Monitoring and Management Programme as required by the Environmental Protection Authority, and shall amend the Programme to the requirements of the Minister for the Environment on advice of the Department of Environment and Conservation.	Review the Revised NVMMP as required by the Environmental Protection Authority, and amend the Programme to the requirements of the Minister for the Environment on advice of the Department of Environment and Conservation.	A revised NVMMP was submitted for approval by the CEO (of the DWER) in August 2018. The NVMMP (August 2018) was subsequently approved 27 September 2018. The current version of the NVMMP (August 2018) is available from the KCGM website: www.superpit.com.au .	Minister for Environment	DWER	Overall	As required by the EPA	C

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
782:M9.9	Airblast and Vibration from Blasting	The proponent shall implement the amended Revised Noise and Vibration Monitoring and Management Programme required by condition 9-8.	Implement the amended Revised Noise and Vibration Monitoring and Management Programme as required.	This CAR provides an audit table in Appendix B indicating compliance with the measures that were implemented.	Minister for Environment	DWER	Overall	Ongoing	C
782:M10.1	Set-back for Mining Activities	The proponent shall not undertake active mining operations within 400 metres of a property zoned "Residential" under the Town Planning Scheme without the written consent of the owner and occupier of that property.	Obtain written consent from the owners and occupiers of all property zoned "Residential" under the Town Planning Scheme within 400 meters of active mining.	Written consent from Joint Venture Owners (Barrick and Newmont) to undertake active mining operations within 400 metres of owned property zoned "Residential" under the Town Planning Scheme were received via letter of consent dated 11 January 2010. Written consent from occupiers is included as part of Residential Tenancy Agreements.	Minister for Environment		Overall	Prior to mining within 400m of residential properties.	C
782:M10.2	Set-back for Mining Activities	The proponent shall liaise with the Heritage Council of Western Australia to minimise environment impacts associated with active mining, on State Registered Places known as the Boulder Railway Station, Subway and Loopline, and Cornwall Hotel. Note: "Active mining" means any method of working by which the earth or any rock structure, coal seam, stone, fluid, or mineral-bearing substance is disturbed, removed, washed, sifted, crushed, leached, roasted, floated, 'distilled, evaporated, smelted, refined, sintered, pelletised, or' dealt with for the purpose of obtaining any mineral or rock from it for commercial purposes or for subsequent use in industry, whether it has been previously disturbed or not, and includes: 1. developmental and construction work associated with opening up or operating a mine; 2. the removal and disposal of overburden or waste or residues by mechanical or other means and the stacking, depositing, storage, and treatment of any substance considered to contain any mineral; and 3. transport of ore or other mining product that takes place on a road which is not a road as defined in the Road Traffic Act 1974, but for the purpose of this condition does not include: 4. construction of a noise bund which is not part of any active mining activity; 5. rehabilitation of any area; 6. administration buildings or other similar facilities from which noise emissions comply with the Environmental Protection (Noise,) Regulations 1997• 7. Exploration operations; 8. operations for the care, security and maintenance of a mine and plant at the mine undertaken during any period when production or development operations at the mine are suspended; 9. operations undertaken to leave a mine safe to be abandoned; and 10. underground mining.	Liaise with the Heritage Council of Western Australia to minimise environment impacts associated with active mining, on State Registered Places known as the Boulder Railway Station, Subway and Loopline, and Cornwall Hotel.	Letter of consultation to the Heritage Council of Western Australia regarding the Boulder Railway Station, Subway and Loopline, and Cornwall Hotel was sent 4 February 2010. Letter of satisfaction from the Heritage Council of Western Australia was received 2 March 2010.	Minister for Environment	HCWA	Overall		C
782:M11.1	Rehabilitation and Closure Management Plan	Prior to 30 April 2010, the proponent shall prepare a Rehabilitation and Closure Management Plan to the requirements of the Minister for Environment and the Minister for Mines and Petroleum on advice of the Environmental Protection Authority and shall submit the Plan to the Department of Environment and Conservation.	Prepare a Rehabilitation and Closure Management Plan as per the requirements of Ministerial Statement 782, Condition 11-1.	The KCGM Closure and Reclamation Management Plan was submitted in April 2010.	Minister for Environment, Minister for Mines and Petroleum	EPA	Overall	Prior to 30 April 2010	CLD

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
782:M11.2	Rehabilitation and Closure Management Plan	In the preparation of the Rehabilitation and Closure Management Plan required by condition 11-1, the proponent shall meet the requirements of the following agencies: 1. Department of Mines and Petroleum regarding items 1-3, 5-10, and 12 of condition 11-1; 2. Department of Environment and Conservation regarding items 4, 8, 9 and 10 of condition 11-1; 3. Department of Planning and Infrastructure, Western Australian Planning Commission and City of Kalgoorlie-Boulder regarding item 1, 2, 3 and 9 of condition 11-1. 4. Department of Water regarding item 4 of condition 11-1; and 5. Registrar of Aboriginal Sites regarding item 13 of condition 11-1.	Meet the requirements of the following agencies in preparation of the MCP: 1. DMP regarding items 1-3, 5-10, and 12 of condition 11-1; 2. DER regarding items 4, 8, 9 and 10 of condition 11-1; 3. DPI, WAPC and CKB regarding item 1, 2, 3 and 9 of condition 11-1. 4. DoW regarding item 4 of condition 11-1; and 5. Registrar of Aboriginal Sites regarding item 13 of condition 11-1.	The 2015 Mine Closure Plan was approved by the EPA 19 November 2015. The 2018 Mine Closure Plan was approved by the DMIRS 6 August 2018; approval by DWER/EPA is pending. Refer to Section 5.4 of this report.	Minister for Environment	DMIRS, DWER, DPIRD, WAPC, CKB, and DAA	Overall	Ongoing	C
782:M11.3 (Amended)	Rehabilitation and Closure Management Plan	The proponent shall review the Rehabilitation and Closure Management Plan required by condition 11-1 every three years, and shall amend the Plan as required in consultation with the agencies referred to in condition 11-2, to the requirements of the CEO on advice of the relevant agencies indicated in condition 11-2.	Review the MCP every three years and amend the Plan as required in consultation with the agencies referred to in condition 11-2, to the requirements of the CEO on advice of the relevant agencies indicated in condition 11-2.	Letter received in July 2013 from the Minister approving a three yearly review cycle. Refer to Section 5.4 of this report.	Minister for Environment	DMIRS, DWER, DPI, WAPC, CKB, and DAA	Overall	Every 3 years from last submission date (previously 2 years). Next MCP due to be submitted 31 March 2021	C
782:M11.4	Rehabilitation and Closure Management Plan	The proponent shall implement the amended Rehabilitation and Closure Management Plan required by condition 11-3 until such time as the Minister for the Environment determines that the proponent's closure responsibilities have been fulfilled. Note: The DMP shall be the lead agency for coordinating the Rehabilitation and Closure process, with certain items of the Plan being administered by the appropriate agency as follows: 1. Department of Mines and Petroleum for items 1-3, 5-10, and 12 of condition 11—1; 2. Department of Environment and Conservation for items 4, 8, 9 and 10 of condition 1 1-1; 3. Department of Water regarding item 4 of condition 11-1; and 4. Registrar of Aboriginal Sites regarding item 13 of condition 11-1.	Implement the amended MCP required by condition 11-3 until such time as the Minister for the Environment determines that the closure responsibilities have been fulfilled.	This CAR provides an audit table in Appendix B indicating the compliance status with the measures that were implemented.	Minister for Environment	DMIRS, DWER, DPI, WAPC, CKB, and DAA	Overall	Until determined by the Minister for the Environment	C
782:M11.5	Rehabilitation and Closure Management Plan	The proponent shall make the Rehabilitation and Closure Management Plan required by condition 11-1 and subsequent revisions required by condition 11-3 publicly available in a manner approved by the CEO.	Make the Closure and Reclamation Management Plan required by condition 11-1 and subsequent revisions required by condition 11-3 publicly available on the KCGM website www.superpit.com.au	The current approved MCP(2015) is available from the KCGM website: www.superpit.com.au	CEO	DWER	Overall	In the month following the approval.	C
782:M12.1	Aboriginal Heritage	Prior to commencement of proposed works, the proponent shall submit an Aboriginal Cultural Heritage Management Plan that meets the objectives specified in Condition 12-3 as determined by the Minister for Indigenous Affairs.	Submit an Aboriginal Cultural Heritage Management Plan that meets the objectives specified in Condition 12-3 as determined by the Minister for Indigenous Affairs prior to the commencement of proposed works.	Letter of submission of ACHMP to DIA 29 December 2009. Email received from DIA 9 February 2010 advising plan meets the DIA's requirements.	DIA		Design	Prior to commencement of proposed works	CLD

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
782:M12.2	Aboriginal Heritage	The proponent shall consult with the Department of Indigenous Affairs in the preparation of the Plan.	Consult with the Department of Indigenous Affairs in the preparation of the Plan	Meeting held with DIA 26 November 2009 to discuss development of the ACHMP.	DIA		Design	Prior to commencement of proposed works	CLD
782:M12.3	Aboriginal Heritage	The Plan shall include protocols and procedures for appropriate management of any Aboriginal sites or skeletal remains identified during the proposed works.	Include protocols and procedures for appropriate management of any Aboriginal sites or skeletal remains identified during the proposed works in the Aboriginal Cultural Heritage Management Plan.	Section 6 of the ACHMP outlines management of any Aboriginal sites or skeletal remains identified during the proposed works.	DIA		Design	Prior to commencement of proposed works	CLD
782:M12.4	Aboriginal Heritage	The proponent shall implement the Aboriginal Cultural Heritage Management Plan.	Implement the Aboriginal. Cultural Heritage Management Plan.	This CAR provides an audit table in Appendix B indicating the compliance status with the measures that were implemented.	DAA		Overall	Ongoing	C

APPENDIX B:
ENVIRONMENTAL MANAGEMENT PLAN AUDIT TABLES



Period: 1 January to 31 December 2018

Fimiston Air Quality Management Plan: One potential non-conformance was recorded against the Dust Monitoring and Management Plan during the audit period.

AUDIT TABLE - FIMISTON AIR QUALITY MANAGEMENT PLAN																		
Objective	KPI	Evidence	Timeframe	Status														
BLASTING DUST MANAGEMENT PLAN																		
Appropriate environmental review and managerial authorisation is required prior to firing a Wind Direction Dependent blast when wind conditions are unfavourable.	Minimise potential dust emissions associated with blasting.	During 2018 all blasts were fired in accordance with the BDMP.	As Required	C														
DUST MONITORING AND MANAGEMENT PLAN																		
Maintain or reduce the number of complaints associated with dust reportedly from KCGM's operations.	Reduction in dust complaints.	There were 4 complaints received during the reporting period regarding dust which were confirmed to be from KCGM operations -see section 5.5. YEAR (Number of Complaints) 2008 (9), 2009 (5), 2010 (6), 2011 (6), 2012 (12), 2013 (7), 2014 (6), 2015 (3), 2016 (2), 2017 (7), 2018(4)	Annual	C														
Greater than 90% availability of the continuous PM ₁₀ data from all monitoring sites on an annual basis.	Annual data availability.	>90% data availability was achieved during 2018 at all sites. <table border="1"> <tr> <td>HGC</td> <td>BSY</td> <td>HEW</td> <td>CLY</td> <td>HOP</td> <td>MEX</td> <td>MTC</td> </tr> <tr> <td>98.9%</td> <td>98.9</td> <td>98.9</td> <td>99.5</td> <td>98.9</td> <td>99.5</td> <td>97.5</td> </tr> </table>	HGC	BSY	HEW	CLY	HOP	MEX	MTC	98.9%	98.9	98.9	99.5	98.9	99.5	97.5	Annual	C
HGC	BSY	HEW	CLY	HOP	MEX	MTC												
98.9%	98.9	98.9	99.5	98.9	99.5	97.5												

Complete quarterly calibration of dust monitoring equipment.	Quarterly calibrations.	All quarterly calibrations were completed during the audit period. Calibrations were undertaken between 22-25 January 2018, 16-19 April 2018, 23-25 July 2018, and 15-18 October 2018. Calibration reports are available upon request.	Quarterly	C
Target of not more than five events above the NEPM at any dust monitoring site per annum where KCGM is a significant contributor.	Annual target	During 2018, KCGM did not record any more than five events above the NEPM at any dust monitoring site. Refer to Section 6.1.	Annual	C
MERCURY EMISSIONS MANAGEMENT PLAN				
Objective	KPI	Evidence	Timeframe	Status
Implement a Carbon Kiln Emissions Control Strategy to restrict operation of the carbon regeneration kilns when the wind is blowing towards Kalgoorlie-Boulder and the mercury load on the carbon is high prior to any emission reduction equipment being installed.	Minimise potential atmospheric emissions of mercury associated with carbon regeneration.	The Carbon Kiln Emissions Control Strategy was implemented in 2005.	Ongoing	C
Mercury emissions from the Fimiston Carbon Regeneration Kilns will be estimated via a mass balance approach.	Estimate mercury emissions via mass balance.	Mercury emissions are estimated via a mass balance approach and are reported annually in the National Pollutant Inventory: www.npi.gov.au .	Annual	C
Implement the Fimiston Emissions Reduction Project to capture greater than 90% of the atmospheric mercury emissions associated with mineral processing activities at the Fimiston Processing Plant.	Capture greater than 90% of the atmospheric mercury emissions associated with the Fimiston Processing Plant.	The Fimiston Emissions Reduction Project is still being commissioned in accordance with Works Approval W5532/2013/1.	Ongoing	NR

REVIEW CYCLE				
All components of the FAQMP are reviewed on a triennial basis in accordance with the amended Condition 782:M(7.2).	Triennial review of the FAQMP.	The FAQMP was reviewed in 2015 and submitted on 23 December 2015. The FAQMP (December 2015) was approved by the OEPA on 29 June 2016. The next revision is due for submission 29 June 2019.	Triennially	C
REPORTING				
Objective	KPI	Evidence	Timeframe	Status
Daily PM ₁₀ dust monitoring results (24 hour averages) are made available on the KCGM website at www.superpit.com.au .	Dust results available on KCGM website.	PM ₁₀ monitoring data was not made available on the KCGM website within 24 hours of the recording of that data on the 16 November 2018. Refer to Section 5.2	Daily	PNC
PM ₁₀ dust monitoring results will be provided in summary form to the DWER in the Annual Environment Report (AER).	Annual summary of dust monitoring results.	A summary of the 2018 dust monitoring data will be included in the 2018 AER due for submission to the DWER by 31 March 2019.	Annual	C
An analysis of seasonal and annual dust trends to review the effectiveness of dust control measures and continuous improvement in air emission controls implemented through the FAQMP will be included in the AER provided to the DWER.	Annual analysis of seasonal and annual dust trends.	The annual analysis of 2018 seasonal and annual dust trends will be included in the 2018 AER due for submission to the DWER 31 March 2019.	Annual	C
PM ₁₀ dust monitoring data is provided to the DWER, and/or DoH upon request.	Provide data upon request.	No data was requested during the audit period.	As required	C

<p>Reporting of 24-hour average PM₁₀ concentrations above the NEPM PM₁₀ Standard to relevant authorities (DWER and DoH) within seven days, if KCGM is identified to be a significant contributor. Ensure the following information is included in the notification:</p> <ul style="list-style-type: none"> • Appropriate wind roses and time series analysis indicating dust concentration, wind direction and wind speed; • Source contribution analysis; and • Identified mitigation measures, where appropriate. 	<p>Assess events above NEPM PM₁₀ Standard</p>	<p>All events above the NEPM PM₁₀ Standard were assessed during the audit period and reported in accordance with the FAQMP.</p> <p>Refer to:</p> <p>Table 5 of this report.</p>	<p>As required</p>	<p>C</p>
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Noise and Vibration Monitoring and Management Plan: Compliance was achieved with all objectives of the NVMMMP during the audit period as demonstrated in the following NVMMMP Audit Table.

AUDIT TABLE - NOISE AND VIBRATION MONITORING AND MANAGEMENT PROGRAMME				
ENVIRONMENTAL NOISE MONITORING				
Objective	KPI	Evidence	Timeframe	Status
Continuously record levels of noise (as far as practicable) received at BPS and MEP.	Continuous noise monitoring.	Results of the continuous noise monitoring programme are provided in the Noise and Blast Monitoring Quarterly Reports submitted to the DWER. Refer to Section 6.2 of this report.	Ongoing	C
Conduct quarterly compliance noise monitoring at five reference locations (BSW, BPS, KTS, OSB and YSB) and assess compliance against the approved noise levels for KCGM's Fimiston Operations as stipulated in Condition 4 of the <i>Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2016</i> .	Quarterly compliance noise monitoring.	All measured levels at all locations complied with the approved noise levels for the night time period. Results of the compliance noise monitoring are provided in the Noise and Blast Monitoring Quarterly Reports submitted to the DWER. Refer to Section 6.2 of this report.	Quarterly	C
Maintain a wind sensor at MEX to determine the WIF to calculate the approved noise levels for the Fimiston Gold Mine.	Weather monitoring	Wind direction and speed data were recorded at MEX during the audit period and used to determine the WIF for the weather conditions prevailing at the time the quarterly compliance noise monitoring was undertaken.	Quarterly	C
The Appeals Committee recommended that as part of the NVMMMP, KCGM install and maintain a real-time noise monitoring site that is accessible by the public via the internet.	Real-time noise monitoring data available on KCGM website.	The real-time noise monitoring site was installed and commissioned at the KCGM MEP monitoring site during the 2011 reporting period. Real-time noise monitoring data are made publicly available on the KCGM website (www.superpit.com.au).	Ongoing	C

AUDIT TABLE - NOISE AND VIBRATION MONITORING AND MANAGEMENT PROGRAMME

The continuous noise monitoring equipment is NATA calibrated every two years.	Noise monitoring equipment calibration	All noise monitoring equipment is within calibration. Noise monitor calibration certificates are provided in the Noise and Blast Monitoring Quarterly Reports submitted to the DWER.	Biennially	C
BLAST VIBRATION AND AIRBLAST MONITORING				
Objective	KPI	Evidence	Timeframe	Status
Record blast vibration and airblast levels at six reference locations (Alpha, Bravo, Charlie, Delta, Echo and Foxtrot); triggered by ground vibration exceeding the set trigger level of 0.5 mm/s.	Blast monitoring	Blast vibration and airblast monitoring records are provided in the Noise and Blast Monitoring Quarterly Reports. Refer to Section 6.3 in this report.	Ongoing	C
The blast monitoring equipment is NATA calibrated annually.	Blast monitoring equipment annual calibration.	The blast monitoring equipment is calibrated on an annual basis by Texcel (manufacturer and supplier). Calibration Certificates for equipment calibrated during the audit period were provided in the Noise and Blast Monitoring Quarterly Reports. Refer to Section 6.3 in this report.	Annual	C
REPORTING PROVISIONS				
Prepare a Quarterly Noise and Blast Monitoring Report for submission to the DWER.	Quarterly Noise and Blast Monitoring Report.	Quarterly Noise and Blast Monitoring Reports were submitted to the DWER during the reporting period. Refer to Section 6.3 in this report.	Quarterly	C

AUDIT TABLE - NOISE AND VIBRATION MONITORING AND MANAGEMENT PROGRAMME

Submit a written annual noise report to the DWER.	Annual Noise Report	In accordance with the <i>Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2016</i> , the Annual Noise Monitoring and Management Report was submitted to the DWER on 20 April 2018.	Annually	C
Provide the quarterly compliance noise monitoring results on the KCGM website.	Publishing of noise monitoring results	Quarterly compliance noise monitoring results are made available on the KCGM website (www.superpit.com.au).	Quarterly	C
In the event that the threshold criteria for noise, airblast or vibration are exceeded, the CEO will be notified within seven (7) days of identification of the exceedance.	Reporting exceedances	In this reporting period there were no exceedances of criteria, and so no notifications to the CEO were required. Refer to Section 6.1 and 6.2 of this report.	Ongoing	C

Aboriginal Cultural Heritage Management Plan: Compliance was achieved with each objective of the ACHMP during the audit period as demonstrated in the following ACHMP Audit Table.

AUDIT TABLE - ABORIGINAL CULTURAL HERITAGE MANAGEMENT PLAN				
Objective	KPI	Evidence	Timeframe	Status
Aboriginal sites that lie within the vicinity of KCGM's operations are properly respected and protected.	Protection of Aboriginal heritage sites.	As described in the Aboriginal Cultural Heritage Management Plan (ACHMP) Section 4.3.1 and 5.	Ongoing	C
Significant heritage sites are preserved.	Preservation of Aboriginal heritage sites.	No new activities occurred within the vicinity of Aboriginal heritage sites.	Ongoing	C
All such sites are identified and locations and access conditions communicated to employees and contractors as appropriate.	Site identification and access to conditions communicated as appropriate.	As described in the ACHMP Section 5.	Ongoing	C

AUDIT TABLE - ABORIGINAL CULTURAL HERITAGE MANAGEMENT PLAN

Objective	KPI	Evidence	Timeframe	Status
<p>The Aboriginal Cultural Heritage Plan will be reviewed as required including when there is a significant change proposed to the Fimiston Operations or if there is a change in legislation relating to the identification and protection of Aboriginal sites.</p>	<p>Review cycle.</p>	<p>The ACHMP was developed and implemented 29 December 2009. On 9 February 2010 the DIA confirmed that there was no further feedback that the DIA could provide regarding the ACHMP.</p> <p>REVIEW OF THE ABORIGINAL HERITAGE ACT 1972</p> <p>During 2018 the Hon Ben Wyatt MLA, Minister for Aboriginal Affairs, announced a review of the Act, the legislation that guides the way the State Government protects Aboriginal heritage in Western Australia.</p> <p>The review aims to deliver a contemporary piece of legislation that:</p> <ul style="list-style-type: none"> • promotes the understanding and celebration of Aboriginal cultural heritage through the recognition of significant places and objects • provides transparent and easy to understand processes that offer certainty and predictability for stakeholders • provides high standards of protection for significant places and objects, while enabling land use. <p>The department will deliver the Aboriginal Heritage Act review through a four-staged approach, which includes three consultation phases.</p> <p>KCGM is participating in the consultation phases and will monitor the review process to assess the impacts of any changes made to the Act that may impact the ACHMP.</p>	<p>As required</p>	<p>C</p>

Rehabilitation and Closure Management Plan: Compliance was achieved with each objective of the Mine Closure Plan (MCP) during the audit period as demonstrated in the following MCP Audit Tables for Closure Tasks and Rehabilitation Activities respectively.

AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN						
Scheduled <u>Closure Tasks</u> (Table 29 of 2018 MCP)						
Operational Area	Domain	Feature	Task	Timing	Outcomes	Status
Fimiston	Mining Infrastructure	Fimiston Open Pit and Sam Pearce Decline	Review Pit lake model and potential groundwater discharge	2015	Completed.	CLD
			Develop Open Pit Abandonment Strategy	2018-2024	Third party review of geotechnical aspects of pit wall design completed; ongoing project.	NR
			Pit wall stability monitoring.	Ongoing	Ongoing and continuous operational requirement.	C
	Waste Rock Dumps	Trafalgar Oroya Northern North Eastern Environmental Noise Bund	Refine Visual Amenity concept for WRDs.	2018	Revised version approved in Mining Proposal "KCGM Dewatering Infrastructure and Updated Waste Rock Dump Design 170922 Registration ID 69903". Visual Amenity integrated into MCP 2018 implementation.	C
			Waste Dump Closure Planning Strategy, including implementation of a new rehabilitation design.	2018	Mining Proposal "KCGM Dewatering Infrastructure and Updated Waste Rock Dump Design 170922 Registration ID 69903".	CLD
			Review of Materials Classification System (erodibility focus).	2015	Documented in approved MCP 2015.	CLD
			Update Materials Balance Inventory / Rehabilitation Material Reconciliation.	2015-2024	Documented in MCP 2018; Further refinements are expected as planning becomes more detailed.	C
			Review of Rehabilitation Monitoring Programme.	2015-2024	Documented in MCP 2018.	C
			Refine completion criteria.	2018-2024	Early work associated with vegetation commenced.	C

AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN

Scheduled Closure Tasks (Table 29 of 2018 MCP)

Operational Area	Domain	Feature	Task	Timing	Outcomes	Status
			Acquisition of Additional Topsoil.	2015	Documented in approved MCP 2015.	CLD
			Kinetic Study of Waste Materials.	2015	Documented in approved MCP 2015.	CLD
	Tailings Storage Facilities	Fimiston I Fimiston II Kaltails	TSF Closure Planning Strategy	2018-2021	Documented in MCP 2018.	C
			Refine Visual Amenity concept as relates to TSFs	2018	Initial concept completed; additional review planned.	CLD
			Review of Materials Classification System (erodibility focus).	2015	Documented in approved MCP 2015.	CLD
			Review of Rehabilitation Monitoring Programme.	2015-2021	Learnings from WRDs will be applied to TSF planning.	C
			Refine completion criteria.	2018 - 2021	Learnings from WRDs will be applied to TSF planning.	C
			Material characterisation studies.	2018	Further material characterisation erosion work completed in 2018.	C
Mt Charlotte	Mining Infrastructure	Glory Hole Pit	Develop Open Pit Abandonment Strategy	2018-2024	3rd party review undertaken; initial planning commenced; this work will take longer than expected - time line extended.	C
			Pit wall stability monitoring.	Ongoing	Geotechnical inspections completed.	C

AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN

Scheduled Closure Tasks (Table 29 of 2018 MCP)

Operational Area	Domain	Feature	Task	Timing	Outcomes	Status
Mt Percy	Mining Infrastructure	Sir John Open Pit, Mystery and Union Club Open Pits	Develop Open Pit Abandonment Strategy	2021-2024	Work in progress.	C
			Pit wall stability monitoring.	Ongoing	Geotechnical inspections completed.	C

Scheduled Rehabilitation Activities (Table 30 of MCP 2018)

Operational Area	Domain	Feature	Approach	Timing	Outcomes	Status
Fimiston	Mining Infrastructure	Fimiston Open Pit and Sam Pearce Decline	Ongoing tracking of Black Flag and other waste material during operations.	2018 - 2024	Ongoing and continuous operational requirement. Internal tracking of waste on monthly basis, with actions if required	C
	WRDs	Trafalgar Oroya Northern North Eastern Environmental Noise Bund	Implement the Visual Amenity Concept.	2018	Visual Amenity Concept is integrated into WRD rehabilitation planning. Documented in the MCP 2018.	C
			Conduct progressive rehabilitation on available areas.	2018-2036	Progressive rehabilitation conducted in 2015, 2016 and 2017, and reported in the AER.	C