

# KALGOORLIE CONSOLIDATED GOLD MINES



## ANNUAL AUDIT COMPLIANCE REPORT

Ministerial Statement No. 188: *Fimiston Gold Mine – Phase II Mine and Waste Dumps (248)* and

Ministerial Statement No.782: *Fimiston Gold Mine Operations Extension (Stage 3) and Mine Closure Planning*

1 JANUARY TO 31 DECEMBER 2015

# TABLE OF CONTENTS

<b>1</b>	<b>INTRODUCTION</b>	<b>4</b>
<b>2</b>	<b>PURPOSE</b>	<b>6</b>
<b>3</b>	<b>PROJECT IMPLEMENTATION STATUS</b>	<b>7</b>
3.1	Project Milestones	7
3.2	Key Statement Amendments	13
3.3	Five Year Performance Report	14
<b>4</b>	<b>COMPLIANCE</b>	<b>15</b>
4.1	Non – Compliances	15
4.2	Non - Conformances	17
4.3	External Audits	17
4.4	Environmental Management Plans	18
4.5	Complaints Register	20
<b>5</b>	<b>ENVIRONMENTAL MONITORING</b>	<b>23</b>
5.1	Dust Monitoring	23
5.2	Noise Monitoring	26
5.3	Blast Monitoring	28
<b>6</b>	<b>STAKEHOLDER CONSULTATION</b>	<b>31</b>
	<b>APPENDIX A: MINISTERIAL CONDITIONS AUDIT TABLE</b>	<b>33</b>
	<b>APPENDIX B: ENVIRONMENTAL MANAGEMENT PLANS AUDIT TABLES</b>	<b>45</b>

# TABLE OF CONTENTS

## LIST OF FIGURES

Figure 1: Complaints Relating to Environmental Aspects of the Fimiston Operations	21
---	----

## LIST OF TABLES

Table 1: Project Milestones	7
Table 2: 782:M Key Amendments	13
Table 3: Fimiston Operations Complaint Summary 2015	21
Table 4: Dust Monitoring Programme	23
Table 5: Dust monitoring events above $50\mu\text{g}/\text{m}^3$ for the 24 hour average	24
Table 6: Noise Monitoring Requirements	26
Table 7: Blast Monitoring Criteria	29
Table 8: Government Agency Stakeholder Consultation - Fimiston Operation	31
Table 9: Non-Government Agency Stakeholder Consultation – Fimiston Operation	32

# 1 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 includes a cutback of the Fimiston Open Pit (the Golden Pike Cutback) and additional areas for waste rock dumps and tailings storage. The Golden Pike Cutback, located along the western edge of the Fimiston Open Pit, increases the width and depth of the pit and extends the life of the mine from 2012 to around 2017.

Following formal assessment of the Project by the EPA (supported by the Office of the Environmental Protection Authority (OEPA)), the Minister for Environment (Minister) issued Ministerial Statement No.782 (782:M) on the 29 January 2009 approving the Project.


On 5 February 2014 KCGM publically announced plans which will see the operation continue to mine the Fimiston Open Pit until around 2019 and extend the processing life of the mine to around 2029. The extension to processing life is due to the inclusion of low grade stockpiles which were deemed a mining reserve in 2012. During 2015 782:M 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.

Compliance against the requirements of 782:M is assessed in this audit report in accordance with 782:M4 *Compliance Reporting*. Also considered in this audit report is the previous Fimiston Operations Ministerial Statement No.188 *Fimiston Project Stage II – Mine and Waste Dumps (248)* (188:M) published on 24 October 1991.

Environmental management plans and programmes relevant to 188:M and 782:M are also considered in this report. These are the:

- Fimiston Air Quality Management Plan (FAQMP);
- Noise and Vibration Monitoring and Management Programme (NVMMP);

- 
- Aboriginal Cultural Heritage Management Plan (ACHMP); and
  - Mine Closure Plan (MCP).

This annual audit compliance report covers the period 1 January 2015 to 31 December 2015.

## 2 PURPOSE

In accordance with 782:M4-3 the Annual Audit Compliance Report shall:

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 (**Cover letter**);
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 table**);
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 table**);
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 4 of this report**);
7. review the effectiveness of all corrective and preventative actions taken (**Section 4 of this report**); and
8. describe the state of implementation of the proposal. (**Section 3 of this report**).

## 3 PROJECT IMPLEMENTATION STATUS

### 3.1 Project Milestones

A breakdown of the project implementation is provided in Table 1: Project Milestones.

**Table 1: Project Milestones**

DATE	MILESTONE	ORGANISATION
<b>2009</b>		
January	Ministerial Statement 782 published.	Minister for Environment
June	Independent Environmental Auditor appointed.	KCGM
July	Noise Regulation 17 Variation approved.	Minister for Environment
December	Aboriginal Cultural Heritage Management Plan (ACHMP) submitted.	DIA
<b>2010</b>		
January	Golden Pike Mining Proposal approved.	DMP
February	ACHMP approved.	DIA
March	Noise Regulation 17 Variation Appeal dismissed.	Minister for Environment
March	Mining of the Golden Pike Cutback commenced.	KCGM
April	KCGM Mine Closure Plan (MCP) submitted.	KCGM
July	18 Month Independent Auditing Period completed. Report to Minister for Environment being prepared.	Keith Lindbeck and Associates
October	Amended Noise and Vibration Monitoring and Management Plan (NVMMP) submitted.	KCGM
December	NVMMP approved.	OEPA and DER
December	A request to change the reporting dates for the Annual Audit Compliance Report (AACR) approved.	OEPA
December	The 2010 review of the FAQMP submitted to the OEPA.	KCGM



DATE	MILESTONE	ORGANISATION
<b>2011</b>		
March	4 <sup>th</sup> Independent Audit Period ends (July10–Mar11).	Keith Lindbeck and Associates
April	18 Month Auditing Report submitted to the Minister for Environment.	Keith Lindbeck and Associates
May	Submission made to the DER on the Proposed Environmental Protection (Noise) Amendment Regulations – Regulation 11 – Airblast Limits.	KCGM
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
July	Unrestricted mining commenced in Golden Pike (24/7).	KCGM
August	Independent Auditor undertakes to complete two additional audit periods.	Keith Lindbeck and Associates
August	Construction of North East Waste Rock Dumps commenced.	KCGM
September	5th Independent Audit Period ends (Apr11 – Sep11).	Keith Lindbeck and Associates
October	Deposition of tailings to Kaltails TSF commenced.	KCGM
December	Annual review of the FAQMP conducted.	KCGM



DATE	MILESTONE	ORGANISATION
<b>2012</b>		
February	FAQMP annual review completed and submitted to the OEPA.	KCGM
March	4th Independent Environmental Auditor Report presented to the Community Reference Group. No non-compliances sighted.	Keith Lindbeck and Associates
March	DER conducted Annual Inspection of KCGM Fimiston and Gidji operations.	DER
March	2011 Annual Audit Compliance Report submitted to the OEPA.	KCGM
April	KCGM's 2012 MCP was submitted.	KCGM
May	Feedback received on 2012 MCP.	DMP
May	5 <sup>th</sup> and Final Independent Environmental Auditor Report presented to the Community Reference Group. No non-compliances sighted.	Keith Lindbeck and Associates
June	Response submitted to DMP on 2012 MCP.	KCGM
August	Recommendation made that no further audit periods be required for the Golden Pike Cutback and that Ministerial Conditions 782:M5.3 and 782:M5.4 are classified as "Completed" under the OEPA audit classification system.	Keith Lindbeck and Associates
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
September	Meeting held with DMP to discuss 2012 MCP primarily to discuss the provision of additional geotechnical information.	DMP
October	FAQMP finalised and submitted to the OEPA.	OEPA
December	A revised version of the 2012 MCP was submitted providing additional information requested by stakeholders.	KCGM
December	Meeting held with the OEPA, DER and DoH to discuss outstanding matters relating to the review of the FAQMP.	KCGM

DATE	MILESTONE	ORGANISATION
<b>2013</b>		
March	KCGM advised by letter that the OEPA considers that non-compliances with Condition 9-3 (airblast levels) and 9-5 (vibration limits) of Statement 782 occurred in 2012.	KCGM
March	2012 Annual Audit Compliance Report submitted to the OEPA.	KCGM
April	DER conducted Annual Inspection of KCGM Fimiston and Gidji operations.	DER
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
June	Additional information relating to airblast and vibration non-compliances submitted as requested by OEPA in March 2013.	KCGM
June	An application for a Noise Regulation 17 Variation was submitted seeking further approval to vary the prescribed standards.	Minister
June	Amendments to Operating Licences for Gidji and Fimiston submitted in accordance with DER requirements.	DER
July	Notification received from the OEPA that the 3 yearly submission cycle for the MCP is approved.	OEPA
August	The 2012 FAQMP and additional documents were reviewed by the OEPA and considered to satisfy Ministerial Conditions 7.1, 7.2 and 7.3.	OEPA, DER, DoH
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
September	KCGM provided a briefing on 2013 Life of Mine and Closure Plans.	DMP
October	Site visit and familiarisation tour of KCGM Operations by senior DMP staff.	DMP
October	KCGM submitted a Works Approval to the DER for the Fimiston Emission Reduction Project.	DER
October	Desktop Audit of Ministerial Statement 782 conducted by the OEPA. KCGM in compliance with the statement.	OEPA
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
November	Resubmission of the MCP approved by the stakeholders. OEPA now lead agency for closure coordination.	OEPA

DATE	MILESTONE	ORGANISATION
<b>2014</b>		
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
February	2013 Annual Audit Compliance Report (782:M) submitted to the OEPA.	KCGM
March	Works Approval granted for the Fimiston Emissions Reduction Project.	DER
March	The <i>Environmental Protection (Noise) Amendment Regulations 2013</i> became effective 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
March	Works Approval for the Fimiston II TSF Height Increment (Extension of Time) granted.	DER
March	Annual Compliance Inspection of KCGM Fimiston and Gidji operations conducted.	DER
March	KCGM celebrates 25 years of operations.	KCGM
June	The first submission of the Mining Rehabilitation Fund (MRF) data was submitted online. MRF levy now replaces the Environmental Performance Bond system.	DMP
August	Change of Proposal to Ministerial Statement 782 submitted for Fimiston II TSF Embankment Height Increase (45-60m).	OEPA
September	The Fimiston operating licence was renewed and issued to KCGM in the REFIRE format.	DER
November	Works Approval for the next Fimiston II TSF Height Increment (+3m) submitted - approved January 2015.	DER
November	Section 38 submission made to the OEPA for the Mt Charlotte Hidden Secret underground project.	KCGM
December	"KCGM: A Celebration of 25 Years" book is published in recognition of 25 years of continuous operations by KCGM.	KCGM
December	KCGM met with OEPA to discuss amendments to Ministerial Statement 782 (Key characteristics table)	OEPA

DATE	MILESTONE	ORGANISATION
<b>2015</b>		
January	Works Approval (W5775/2014/1) for the Fimiston II TSF Height Increment (+3m) issued by the DER.	DER
February	Annual Compliance Inspection of KCGM Fimiston and Gidji premises conducted.	DER
March	2014 Annual Audit Compliance Report for 782:M submitted to the OEPA (extension granted).	KCGM
March	The KCGM Mine Closure Plan (March 2015) is submitted.	KCGM
March	The EPA publicly released their decision on the level of assessment for the Hidden Secret Project as "Not Assessed: Public Advice Given".	EPA
April	Hidden Secret Mining Proposal approved by the DMP.	DMP
April	The first 5 Year Performance Report for the Fimiston Operations (782:M) is submitted to the OEPA.	KCGM
April	DER advised that the commissioning of the Fimiston ERP Project would proceed in two phases.	KCGM
July	782:M Key Characteristics Table amended which included the approval of the Fimiston II TSF height increase from 45m to 60m.	OEPA
September	Fimiston Licence amended to include a Category 54 Waste Water Treatment Plant.	DER
November	The KCGM Mine Closure Plan (March 2015) approved.	OEPA
November	Southern Noise Bund Mining Proposal Addendum (Loopline) approved.	DMP
December	A draft of the <i>Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2015</i> was received and feedback provided to DER.	DER
December	2015 triennial revision of the FAQMP submitted for review to the OEPA.	KCGM

## 3.2 Key Statement Amendments

**Table 2: 782:M Key Amendments**

DATE	YEAR	CHANGE	APPROVAL PROCESS
2009	January	<b>Fimiston Gold Mine Operations Extension (Stage 3) and Mine Closure Planning PER</b> approved.	Proposal assessment and publication of Ministerial Statement 782.
2010	September	<b>Change to Proposal: Kaltails Clearing</b> - Clearing for Kaltails tailings storage facility, contingency clearing for infrastructure post Kaltails recommissioning, and inclusion of hydrogen peroxide dosing facility.	Section 45C of the Environmental Protection Act 1983 (Attachment 1).
2012	August	<b>Notice of Change to Implementation Conditions – Fimiston Air Quality Management Plan:</b> 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.
2013	July	<b>Notice of Changes to Implementation Conditions:</b> Mine Closure Plan Submission: The proponent shall review the Mine Closure Plan required by condition 11-1 every <b>three years</b> ( <i>increase from every two to every three years</i> ).	Section 46C of the Environmental Protection Act 1983 (Attachment 2).
2015	July	<b>Change to Proposal: Fimiston II Embankment Raise (40-65m):</b> <ul style="list-style-type: none"> <li>• Remove different options for management of tailings in the description of the proposal;</li> <li>• Update description of the proposal including the 'Proposal footprint' and 'Mine Development Envelope'; and</li> <li>• Removal of elements that are not key proposal characteristics relevant to the environment or managed under other legislation.</li> </ul>	Section 45C of the Environmental Protection Act 1983 (Attachment 3).

### 3.3 Five Year Performance Report

Condition 5-1 of 782:M 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 5 Year Performance Report was submitted to the OEPA on the 30 April 2015. This is the first Five Year Performance Review Report that has been prepared for the Fimiston Operations and covers the calendar year periods from 2010 to 2014 to align with KCGM's annual environmental reporting. Copies of the report are publically available on the KCGM website ([www.superpit.com.au](http://www.superpit.com.au)).



## 4 COMPLIANCE

### 4.1 Non – Compliances

Appendix A of this report is the KCGM Ministerial Audit Table (based on the OEPA format) which assesses compliance against 188:M and 782:M. There were no non-compliances identified against 188:M and two non-compliances identified against 782:M during the audit period. The two non-compliances are summarised below.

#### 1. 782:M9.3 - Airblast levels > 120db and 125dB

On 27 March 2015 elevated airblast readings greater than the limit of 120 dB were recorded at monitoring sites Bravo (121.6 dB), Charlie (123.1 dB) and Delta (125.1 dB) and greater than the limit of 125 dB at monitoring site Echo (125.3 dB) following a blast in the Fimiston Open Pit.

The area to be blasted was initially designed as a standard production blast with angled infill blast holes and buffer material on the southern boundary of the blast. Other than the southern boundary the blast was confined on all sides by unbroken rock, the edges of which would later form a section of the final open pit wall.

Prior to blasting a geotechnical assessment of the blast design highlighted a potential risk to the integrity of the final open pit walls. To minimise the risk of permanent damage to the walls the blast was changed from a buffered production blast to a free face production blast. This required digging off the buffer material on the southern boundary which resulted in a decrease in the distance from the loaded blast holes to the southern boundary face. In addition it was observed that sections of the southern face had partially collapsed following the digging off of the buffer material. Whilst reinforcing the collapsed section of southern face with waste rock was considered, it was not initiated as mining equipment was excluded from working near the partially collapsed area due to safety concerns.

Whilst the blast was successful in preserving the integrity of the open pit walls, the combination of reducing the buffer material to allow a free face blast and the partially collapsed section of the southern face are likely to have contributed to the elevated airblast levels. Additionally cloud cover and a low pressure system, present at the time of the blast, can contribute to an increase in airblast levels.

As a result of the event a number of actions were identified and implemented. These actions included:

- Changing the shovel 'No Dig Line' to 2.5 metres to ensure sufficient blast burden material is retained;
- Ensure the shovel 'No Dig Line' is placed on the first row of face holes;
- Implement the Drill Monitoring System to electronically transfer accurate blast hole collar positions to enable engineered control of the distribution of explosives in blast holes;



- Implement a change management process when changing to the free facing of blasts;
- Update blasting procedures to specify the requirements for the loading of face holes; and
- Update the training package on face mark-up loading and the loading of angled holes.

KCGM believes that the measures put in place as a result of this incident review will be effective in mitigating further occurrences under similar conditions.

This non-compliance was reported to the OEPA on the 30 March 2015 and detail was provided in the Quarter 1 2015 Quarterly Noise and Blast Report. There were no public complaints received as a result of this blast.

#### 2. 782:M7.5 and 782:M9.9 - KCGM Website Offline (Noise and Dust Report Unavailable)

On the 1 May 2015 the KCGM website was maliciously hacked causing it to crash. On the 6 May 2015, KCGM notified the OEPA and the DER that as a result of the crash, the 24 Hour Dust Monitoring Report and the Real Time Noise Monitoring Report, normally stored on the website, were unavailable to the public.

While the website was unavailable, KCGM developed a “landing page” to which searches for the KCGM website were directed. The message on this page provided contact information for members of the public wishing to access dust and noise monitoring data. The landing page read:

“The KCGM Website is being redeveloped. We thank you for your patience while this is underway. For Job related enquiries, please contact the Human Resources team on [careers@kalgold.com.au](mailto:careers@kalgold.com.au). For enquiries about Hannans North Tourist Mine, please call 90221664. For all other enquiries, including dust and noise monitoring data, please contact the Public Interaction Line on 9022 1100”.

On the 29 May 2015 KCGM informed the OEPA and the DER that the KCGM website ([www.superpit.com.au](http://www.superpit.com.au)) had been restored and that the noise and dust reports had become publically available.

## 4.2 Non - Conformances

Appendix B of this report contains the KCGM Environmental Management Plan Audit Tables which assesses conformance against Environmental Management Plans relevant to 188:M and 782:M. There were no non-conformances recorded against 188:m or 782:M during the audit period.

## 4.3 External Audits

The Department of Environment Regulation (DER) conducted the Annual Licence Compliance Inspections for the Gidji and Fimiston premises on 11 and 12 February 2015. The purpose of the inspections was to assess the premises for compliance with the conditions of the operating licences for the 2014 calendar year.

The DER Compliance Inspection Reports for the Fimiston and Gidji Premises were received by KCGM on 31 March 2015 following the inspections. The reports noted a number of potential non-compliances at both inspection sites. KCGM submitted a report to the DER on 30 April 2015 responding to the potential non-compliant and non-determined conditions outlined in the reports. On 9 July 2015 KCGM received correspondence from the DER for both premises acknowledging the response provided by KCGM and on the basis of the response, the DER officers were satisfied that KCGM had completed the agreed actions. Accordingly the DER considered the inspection closed as of 9 July 2015.

## 4.4 Environmental Management Plans

### **Fimiston Air Quality Management Plan (FAQMP)**

The FAQMP was initially developed by KCGM to integrate a number of management plans that cover various aspects of the Fimiston Operations. The FAQMP was implemented in May 2009 in accordance with 782:M7.1.

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, with the next review due in December 2015. The triennial revision of the FAQMP was submitted on 23 December 2015 and is currently under review by the relevant government agencies.

### **Noise and Vibration Monitoring and Management Programme (NVMMP)**

The NVMMP was revised in accordance with 782:M9.6 and submitted to the DER in August 2009. However due to an appeal against the approval of 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 committee and required inclusion in the NVMMP. KCGM submitted a revised NVMMP to the OEPA in October 2010 which was approved by the OEPA on 6 December 2010.

No amendments of the NVMMP were made during 2015 however it is anticipated that the NVMMP will be updated during 2016 following approval of the *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2015* which as at 31 December 2015 requires Ministerial approval prior to publication in the Government Gazette.


### **Aboriginal Cultural Heritage Management Plan (ACHMP)**

In accordance with 782:M6, KCGM developed the ACHMP in consultation with the 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 2015 audit period.

### **Mine Closure Plan (MCP)**

The OEPA is the nominated lead agency for coordinating the MCP approval process, with certain items of the MCP administered by other agencies as appropriate. KCGM has developed a Mine Closure Plan (MCP) in accordance with 782:M11 with the first submission made on 14 April 2010.



KCGM's second update of the MCP was submitted to the relevant government authorities on 30 April 2012, in the revised DMP/EPA guideline format. 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 MCP.

On the 22 May 2013 KCGM requested that an administrative change be made to the implementation of 782:M11.3; 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 2015 KCGM Mine Closure Plan (March 2015) was submitted in March 2015 and approved on 19 November 2015.

## 4.5 Complaints Register

The KCGM 24-hour Public Interaction Line (PIL) was established in 1993 and can be contacted for a wide range of issues including emergencies, complaints, inquiries and feedback. The public, employees and contractors are encouraged to use PIL on any matter relating to the operations. It is a particularly important process for capturing those issues which require follow up and action.

PIL is supported by an electronic database which enables the categorisation of queries and the automation of subsequent action allocation and follow-up mechanisms. The PIL database is also used to record significant interactions with stakeholders at both formal and informal meetings. The PIL database is a very effective tool for analysing and tracking issues and impacts which are of concern to the community.

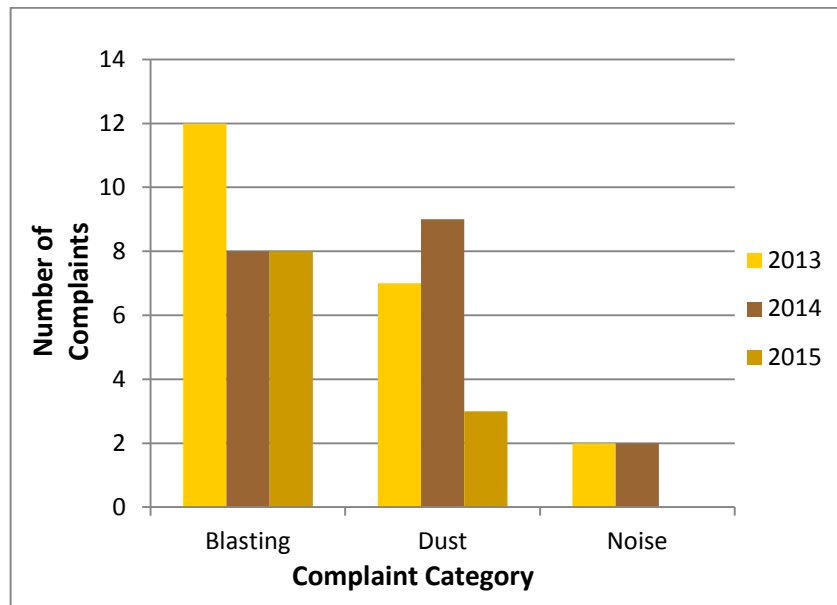
During business hours, PIL enquiries are referred to the relevant department supervisor for appropriate action. Incoming calls received outside office business hours may be forwarded to the relevant staff member for immediate action, or where appropriate will be followed up the next working day.

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.

PIL entries are reviewed on a daily basis by the KCGM Senior Leadership Team (SLT) with a summary of complaints and corrective actions provided to the Community Reference Group (CRG).

PIL is promoted regularly in print and radio advertising, radio interviews, online mediums (KCGM website) and printed materials (KCGM Information Sheets).

During the 2015 reporting period there was a total of 11 complaints received relating to environmental aspects of the Fimiston Operations. Of these complaints, eight related to blasting and three to dust (Figure 1). There were no noise complaints.



**Figure 1: Complaints Relating to Environmental Aspects of the Fimiston Operations**

A summary of each complaint received regarding blasting and dust from the Fimiston Operations in 2015 is provided in Table 3.

**Table 3: Fimiston Operations Complaint Summary 2015**

COMPLAINT CATEGORY	DATE	SUMMARY OF COMPLAINT and KCGM COMMENT
Blasting	15-Jan-2015	<p>Dissatisfaction from a regular complainant with the findings of an independent structural engineers report delivered after a full property inspection and structural report. Request for blast vibration monitoring on property. Monitoring conducted for two week period.</p> <p>A review of the blast monitoring data confirmed vibration at the property was well below regulatory limits and demonstrated significant amelioration of vibration over distance from fixed monitors to the property.</p>
Blasting	03-Feb-2015	<p>Alleged house movement and cracking of rear porch concrete caused by blast vibration and request for information about blasting. A review of the blast monitoring data confirmed vibration levels for the period were below regulatory limits.</p> <p>Desktop review undertaken by independent structural engineer as part of the blast damage investigation process. Report findings identified soil conditions and water sources as the underlying cause of the damage, not blasting.</p>

COMPLAINT CATEGORY	DATE	SUMMARY OF COMPLAINT and KCGM COMMENT
Blasting	09-Mar-2015	OEPA received a complaint regarding alleged house movement caused by blast vibration. Overview of blast damage investigation process and monitoring data provided to OEPA.
Blasting	27-Apr-2015	Alleged building movement and cracking caused by blast vibration. A review of the blast monitoring data confirmed vibration levels for the period were below regulatory limits. KCGM offered a property inspection to assess the alleged blast damage but this offer was not taken up.
Blasting	28-Apr-2015	Complaint about blast vibration for a specific blast and enquiry about property inspection process. A review of the blast monitoring data confirmed vibration levels were below regulatory limits. KCGM offered a property inspection but this offer was not taken up.
Blasting	23-Jun-2015	Blast vibration about a specific blast from a repeat complainant. A review of the blast monitoring data confirmed vibration levels for the period were below regulatory limits. Trending has identified that this resident feels vibrations more strongly when blasting occurs in a specific area and the resident receives phone calls to warn of blasts in that area. Phone call was missed on this occasion and complaint was about lack of warning.
Blasting	27-Jul-2015	DMP received a complaint regarding vibration from a specific blast. A review of the blast monitoring data confirmed vibration levels were below regulatory limits. Monitoring data results and overview of review process for monitoring data provided to DMP.
Blasting	14-Aug-2015	Alleged building movement caused by blast vibration. A review of the blast monitoring data confirmed vibration levels were below regulatory limits. KCGM offered a property inspection to assess the alleged blast damage but this offer was declined.
Dust	06-Feb-2015	General dust complaint. Dust monitoring levels were below the NEPM PM <sub>10</sub> Standard for the period. Extended periods of hot dry weather, no obvious source of dust, KCGM water carts were deployed in accordance with standard operating procedures.
Dust	11-Feb-2015	DER received complaint regarding dust from blasting. Dust monitoring results were below the NEPM PM <sub>10</sub> Standard. Report provided to the DER.
Dust	24-Apr- 2015	General dust complaint following a blast. Dust monitoring results were below the NEPM PM <sub>10</sub> Standard.



## 5 ENVIRONMENTAL MONITORING

### 5.1 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 4.4). The objective of the DMMP is to ensure 24-hour average PM<sub>10</sub> concentrations resulting from the Fimiston Operations (as summarised in Table 4) are less than the National Environmental Protection Measure (NEPM) PM<sub>10</sub> Standard at the monitoring sites.

**Table 4: Dust Monitoring Programme**

<i>SITE ID</i>	<i>SAMPLING FREQUENCY</i>	<i>PARAMETER</i>	<i>APPLICABLE STANDARDS OR LIMITS</i>
HEW	5-minute averages	PM <sub>10</sub>	NEPM PM <sub>10</sub> Standard (50µg/m <sup>3</sup> for 24 hour average)
CLY			
HOP			
BSY			
MEX			
MTC			
HGC (Control Site)			

During the audit period all measurements above the NEPM PM<sub>10</sub> Standard were reported to the DER and DoH in accordance with the 2012 FAQMP and where KCGM was identified as a significant contributor, were also reported to the OEPA (in accordance with advice received from the OEPA on 20 October 2014).

The NEPM PM<sub>10</sub> Standard also specifies an ambient objective of a maximum of five days per annum above 50µg/m<sup>3</sup> for the 24 hour average per monitoring site. KCGM was a significant contributor on one occasion at BSY, three at CLY, two at HOP and two at MEX, demonstrating compliance with the NEPM PM<sub>10</sub> Standard objective.

A summary of the PM<sub>10</sub> dust monitoring results above 50ug/m<sup>3</sup> for the 24 hour average are listed in Table 5.

**Table 5: Dust monitoring events above 50µg/m<sup>3</sup> for the 24 hour average**

DATE	SITE ID	PM <sub>10</sub> 24-hour average (µg/m <sup>3</sup> )	CONTRIBUTION FROM KCGM WIND ARC (%)	COMMENT	KCGM Operations Significant Contributor (YES/NO)	
7-Jan-15	HEW	52.8	82.5	Elevated dust concentrations associated with hot/dry conditions and strong south-easterly winds. KCGM unlikely to be a significant contributor to dust reading, based on atmospheric conditions.	No	
19-Jan-15	HOP	54.2	4.5	Hot/dry conditions associated with moderate south-westerly wind. Wind direction indicates that KCGM would not have been a significant contributor.	No	
23-Jan-15	HEW	53.8	94.6	Dust concentrations associated with moderate south-easterly winds and dry conditions throughout the day. Elevated dust concentrations were recorded during the hours of 2100 to 2355. Review conducted and KCGM unlikely contributor.	No	
3-Feb-15	CLY	53.4	55.1	Dust generation associated with high daytime temperatures, low humidity and prevailing easterly to south-easterly wind conditions. All water carts were employed to mitigate dust and where practical, shovels and trucks were stood down or relocated to minimise further dust generation. These conditions prevailed for the period 03/02/15 to 06/02/15.	Yes	
	MEX	56.4	90.7		Yes	
4-Feb-15	CLY	50.2	97.2		Yes	
	MEX	64.1	97.0		Yes	
5-Feb-15	BSY	69.6	95.7		Yes	
	CLY	53.4	94.4		Yes	
	HOP	60.4	96.7		No	
6-Feb-15	HEW	57.5	84.4		No	
14-Feb-15	HEW	50.7	35.9		Elevated dust concentrations recorded from 2130 to 2355, associated with hot/dry conditions and moderate south-westerly winds. Given the atmospheric conditions it is unlikely KCGM was a significant contributor.	No
22-Feb-15	BSY	52.8	14.5		Dust concentrations associated with hot/dry conditions during the night time period and strong south-easterly winds from 1830 to 2355. Unlikely that KCGM operations significantly contributed to dust concentrations.	No
	HEW	59.2	86.1			
	HOP	58.1	96.9			
22-Mar-15	HEW	56.7	75.6	Dust concentrations associated with high vehicle traffic due to evening community fair and fireworks. Prevailing southerly wind conditions.	No	
1-Jul-15	HOP	58.0	71.5	Elevated dust concentrations measured during 1700 to 2245 and erratic, low-speed northerly wind conditions indicate that KCGM is likely to be a significant contributor.	Yes	
10-Sep-15	CLY	68.4	20.3	Elevated dust concentrations between 1100 and 1530, associated with strong north-	No	

DATE	SITE ID	PM <sub>10</sub> 24-hour average (µg/m <sup>3</sup> )	CONTRIBUTION FROM KCGM WIND ARC (%)	COMMENT	KCGM Operations Significant Contributor (YES/NO)
	HOP	56.8	34.8	westerly winds and hot/dry conditions. Given the atmospheric conditions, KCGM unlikely to be a contributor.	
21-Sep-15	HEW	67.0	100.0	Investigation carried out on suspected sources of fugitive dust. Based on wind conditions it is likely that the dust source was external to KCGM operations. Off-road activities by the general public in the immediate vicinity of the monitoring station may have caused the elevated readings.	No
25-Sep-15	HEW	85.1	70.8	Motorcyclists observed generating large quantities of dust in the immediate vicinity of the monitoring station between 1650 and 1845.	No
1-Oct-15	HOP	57.0	88.9	Wind speeds and direction indicate dust generation from KCGM's Fimiston Processing Plant, Ore Stockpiles, ROM and Crushing operational areas.	Yes
2-Oct-15	HOP	51.2	37.1	Elevated dust measurements were recorded at HOP and CLY during the hours of 1100 to 1330; however north-westerly winds indicate that KCGM was not a contributor to dust levels. Elevated dust concentrations were also recorded at HOP during the hours of 0000 to 0500, associated with prevailing moderate north-north-easterly winds. It is likely that KCGM contributed to his portion of the dust generation, though not over the entire 24 hour average.	No
	CLY	60.4	13.4		
4-Oct-15	HOP	51.4	36.1	Elevated dust concentrations measured during 0100 and 0700, with prevailing low north-north-easterly winds. Given contribution from KCGM wind arc, KCGM is unlikely to be a significant contributor.	No
9-Nov-15	HOP	54.9	96.0	Investigation of potential dust-generating sources concluded that KCGM Operations are unlikely to have contributed to dust event given no operational activities were conducted at the location during elevated concentration period and the region had received significant rainfall in last 24 hours.	No
17-Nov-15	BSY	53.4	10.0	Elevated dust concentrations recorded during 1100 to 1700 associated with strong west-north-westerly winds and hot/dry conditions. Given the atmospheric conditions, KCGM is unlikely to be a contributor to this dust event.	No
	HEW	56.1	10.2		
	CLY	55.7	13.0		
	MEX	53.3	8.8		
5-Dec-15	HEW	80.9	3.2	Elevated dust concentrations recorded from 1420 to 1640 associated with strong westerly winds. Considering the wind direction, KCGM is unlikely to have contributed to this dust event.	No

## 5.2 Noise Monitoring

KCGM conducts environmental noise monitoring as specified within the NVMMP (refer to Section 4.4) which includes both continuous and compliance noise monitoring. Requirements of KCGM's noise monitoring programmes are summarised in Table 6.

**Table 6: Noise Monitoring Requirements**

SITE ID	SAMPLING FREQUENCY	PARAMETER	APPLICABLE STANDARDS OR LIMITS																					
KTS BPS	One hour averages calculated from continuous monitoring	L <sub>A 10</sub> L <sub>A 50</sub> L <sub>A max</sub>	Nil																					
BSW BPS KTS OUT YST	Minimum 15 minute sample measured each quarter during night time period	L <sub>A 10</sub> L <sub>A max</sub>	<table border="1"> <thead> <tr> <th colspan="3">Night Time Period</th> </tr> <tr> <th>Location</th> <th>L<sub>A10</sub></th> <th>L<sub>A max</sub></th> </tr> </thead> <tbody> <tr> <td>BSW</td> <td>45 + WIF</td> <td>55 + WIF</td> </tr> <tr> <td>BPS</td> <td>45 + WIF</td> <td>52 + WIF</td> </tr> <tr> <td>KTS</td> <td>45 + WIF</td> <td>52 + WIF</td> </tr> <tr> <td>OUT</td> <td>49 + WIF</td> <td>60 + WIF</td> </tr> <tr> <td>YST</td> <td>49 + WIF</td> <td>60 + WIF</td> </tr> </tbody> </table> <p>WIF: Wind Influencing Factor</p>	Night Time Period			Location	L <sub>A10</sub>	L <sub>A max</sub>	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
Night Time Period																								
Location	L <sub>A10</sub>	L <sub>A max</sub>																						
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																						

The NVMMP has been developed and implemented by KCGM in accordance with conditions set by the Minister for Environment since the early 1990's. The first version of the NVMMP was developed in 1993 to meet the requirements of 188:M5. The NVMMP was subsequently revised in 2004 to meet the requirements of the Southern Landform Extension Project.

The NVMMP was revised in April 2009 and submitted to the OEPA to meet the requirements of Clause 8 of the *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2009 (NR17V)* and 782:M9.6.

The NVMMP was revised in April 2010 to include recommendations made by the Appeals Committee regarding an appeal against the *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2009* and to incorporate feedback received from the OEPA and the DER. The current version of the NVMMP (October 2010) was submitted to the OEPA and the DER on 19 October 2010 and approved by the OEPA on 6 December 2010.

No amendments were made to the NVMMP during the audit period.

## CONTINUOUS NOISE MONITORING

Since 1993, continuous noise monitoring, as far as practical, has been conducted at the Kalgoorlie Technical School (KTS) and Boulder Primary School (BPS).

KCGM uses Bruel and Kjaer (B&K) 2250 Sound Level Meters (SLMs) for continuous noise monitoring. These meters were commissioned in 2012 to improve the reliability of monitoring data and replace the RTA 02 Noise Loggers used previously.

During the audit period continuous noise monitoring was conducted in accordance with the NVMMP. All B&K 2250 SLMs have been field calibrated monthly as approved by the DER and were NATA calibrated during the audit period to meet the requirements of Australian Standard AS1259.1 (1990) and AS1259.2 (1990).

## COMPLIANCE NOISE MONITORING

Compliance noise monitoring was implemented in August 2009 and is undertaken each quarter at five reference locations by specialist noise consultants to determine compliance against the noise level standards set in the NR17V Approval. The five reference locations are Barton Street Williamstown (BSW), Boulder Primary School (BPS), Kalgoorlie Technical School (KTS), Outram Street Boulder (OUT) and York Street Boulder (YST).

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

- 2 – 5 March 2015;
- 10 – 14 May 2015;
- 16 – 19 August 2015; and
- 15 – 19 November 2015.

During the audit period all the measured 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 OEPA as required under the NVMMP. The Q1, Q2, Q3 and Q4 reports were submitted to the OEPA Proposal Implementation Monitoring Branch (PIMB) on 4 June 2015, 7 August 2015, 3 December 2015 and 4 February 2016 respectively.

## Noise Regulation 17 Variation Re-Application

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 for assessment on the 22 July 2013.

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, the assessment report was finalised by the DER in July 2015.

In December 2015 the *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2015* was finalised by the DER following feedback from KCGM. As at 31 December 2015 the NR17V approval was pending approval by the Minister for subsequent publication in the Government Gazette.

### 5.3 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 Texcel ATM Remote Blast Monitors. There are six monitors permanently installed at sites between the Fimiston Open Pit and the City of Kalgoorlie-Boulder.

The vibration trigger levels for the Texcel ATM blast monitor geophones are set at 0.2 mm/sec. If this level is exceeded then a result is recorded for the blast event.

Requirements of KCGM's blast monitoring programme, in accordance with 782:M9, are summarised in Table 7.



**Table 7: Blast Monitoring Criteria**

SITE ID	SAMPLING FREQUENCY	PARAMETER	APPLICABLE STANDARDS OR LIMITS						
Alpha Bravo Charlie Delta Echo Foxtrot	Each blast	Vibration (mm/s)	90% of blasts per year less than 5 mm/sec No blast greater than 10 mm/sec 9 in any 10 consecutive blasts less than 5 mm/sec						
Alpha Bravo Charlie Delta	Each blast	Airblast (dB)	<table border="1"> <thead> <tr> <th>Day and Time</th> <th>Blast Frequency</th> </tr> </thead> <tbody> <tr> <td>0700 to 1800 hours Any Day</td> <td>No blast greater than 120 dB L<sub>Z peak</sub> 9 in any 10 consecutive blasts less than 115 dB L<sub>Z peak</sub></td> </tr> <tr> <td>1800 to 0700 hours<sup>1</sup> Any Day</td> <td>No blast greater than 90 dB L<sub>Z peak</sub></td> </tr> </tbody> </table>	Day and Time	Blast Frequency	0700 to 1800 hours Any Day	No blast greater than 120 dB L <sub>Z peak</sub> 9 in any 10 consecutive blasts less than 115 dB L <sub>Z peak</sub>	1800 to 0700 hours <sup>1</sup> Any Day	No blast greater than 90 dB L <sub>Z peak</sub>
Day and Time	Blast Frequency								
0700 to 1800 hours Any Day	No blast greater than 120 dB L <sub>Z peak</sub> 9 in any 10 consecutive blasts less than 115 dB L <sub>Z peak</sub>								
1800 to 0700 hours <sup>1</sup> Any Day	No blast greater than 90 dB L <sub>Z peak</sub>								
Echo Foxtrot	Each blast	Airblast (dB)	<table border="1"> <tbody> <tr> <td>0700 to 1800 hours Any Day</td> <td>No blast greater than 125 dB L<sub>Z peak</sub> 9 in any 10 consecutive blasts less than 120 dB L<sub>Z peak</sub></td> </tr> <tr> <td>1800 to 0700 hours<sup>1</sup> Any Day</td> <td>No blast greater than 90 dB L<sub>Z peak</sub></td> </tr> </tbody> </table>	0700 to 1800 hours Any Day	No blast greater than 125 dB L <sub>Z peak</sub> 9 in any 10 consecutive blasts less than 120 dB L <sub>Z peak</sub>	1800 to 0700 hours <sup>1</sup> Any Day	No blast greater than 90 dB L <sub>Z peak</sub>		
0700 to 1800 hours Any Day	No blast greater than 125 dB L <sub>Z peak</sub> 9 in any 10 consecutive blasts less than 120 dB L <sub>Z peak</sub>								
1800 to 0700 hours <sup>1</sup> Any Day	No blast greater than 90 dB L <sub>Z peak</sub>								

For the audit 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 782:M7.4 and 9.1;

<sup>1</sup> Except where blasting is in accordance with Regulation 8.28(4) of the Mines Safety and Inspection Regulations 1995, levels apply as appropriate for the time when it was intended that the blast be fired.



- Airblast readings greater than the limit of 120 dB were recorded at monitoring site Bravo (121.6 dB), Charlie (123.1 dB) and Delta (125.1 dB) and greater than the limit of 125 dB at monitoring site Echo (125.3 dB) following a blast in the Fimiston Open Pit on 27 March 2015. This non-compliance was reported to the OEPA on the 30 March 2015 and detail was provided in the Quarter 1 2015 Quarterly Noise and Blast Report.
- All reasonable effort was taken to avoid blasting on Sundays.

For further information please refer to the Q1, Q2, Q3 and Q4 reports were which were submitted to the OEPA Compliance Branch on 4 June 2015, 7 August 2015, 3 December 2015 and 4 February 2016 respectively.

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

The *Environmental Protection (Noise) Regulations 1997* gazetted on 5 December 2013 as the *Environmental Protection (Noise) Amendment Regulations 2013*. One of the key amendments made was a reduction in airblast levels under Regulation 11, which become effective on 6 March 2014.

KCGM submitted an application on 6 March 2014 for approval to allow the emission of airblast 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 December 2015 the *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2015* was finalised by the DER following feedback from KCGM. As at 31 December 2015 the NR17V approval was pending approval by the Minister for subsequent publication in the Government Gazette.

## 6 STAKEHOLDER CONSULTATION

KCGM's proximity to the City of Kalgoorlie-Boulder means that community consideration is a priority and so KCGM conducts its operations in a manner to minimise potential impacts. 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 8 and non-government agency consultation is listed in Table 9.

**Table 8: Government Agency Stakeholder Consultation - Fimiston Operation**

GOVERNMENT AGENCIES	CONSULTATION
City of Kalgoorlie-Boulder (CKB)	<ul style="list-style-type: none"> <li>• Land Access and property</li> <li>• Strategic Town Planning</li> <li>• Mine Closure Plan</li> <li>• Standing invitation to the CRG monthly meetings</li> </ul>
Clean Energy Regulator (CER)	<ul style="list-style-type: none"> <li>• Annual National Greenhouse and Energy Report</li> </ul>
Department of Environment and Regulation (DER)	<ul style="list-style-type: none"> <li>• FAQMP</li> <li>• Dust events above NEPM Guideline</li> <li>• Annual Environment Report</li> <li>• Mine Closure Plan</li> <li>• Annual Audit Compliance Reporting</li> <li>• Environmental Approvals</li> <li>• Noise Regulation 17 Variation and NVMMP</li> <li>• Annual Inspection</li> <li>• Operating Licences</li> <li>• Air Quality Data</li> <li>• Life of Mine Approvals</li> <li>• National Pollutant Inventory (NPI)</li> <li>• Standing invitation to the CRG monthly meetings</li> </ul>
Department of Health (DoH)	<ul style="list-style-type: none"> <li>• FAQMP</li> <li>• Dust events above NEPM Guideline</li> </ul>
Department of Aboriginal Affairs (DAA)	<ul style="list-style-type: none"> <li>• Heritage planning and protection of any heritage sites</li> <li>• Mine Closure Plan</li> <li>• Standing invitation to the CRG monthly meetings</li> </ul>
Department of Main Roads Western Australia (DMRWA)	<ul style="list-style-type: none"> <li>• Permitting for haul truck transport on main roads</li> <li>• Voids management</li> <li>• Road Reserve information</li> </ul>
Department of Mines and Petroleum (DMP)	<ul style="list-style-type: none"> <li>• Annual Environment Report</li> <li>• Closure and rehabilitation planning</li> <li>• Environmental and Exploration Approvals</li> <li>• Life of Mine Approvals</li> <li>• Standing invitation to the CRG monthly meetings</li> </ul>

GOVERNMENT AGENCIES	CONSULTATION
Department of Parks and Wildlife (DPAW)	<ul style="list-style-type: none"> <li>• Environmental and Exploration Approvals</li> </ul>
Department of Planning and Infrastructure (DPI)	<ul style="list-style-type: none"> <li>• Mine Closure Plan</li> </ul>
Department of Water (DoW)	<ul style="list-style-type: none"> <li>• Mine Closure Plan</li> <li>• Groundwater and Borefield Licensing</li> </ul>
Heritage Council of Western Australia (HCWA)	<ul style="list-style-type: none"> <li>• Heritage matters (namely the Boulder Railway Station, Subway, Loopline Railway and Cornwall Hotel)</li> </ul>
Water Corporation	<ul style="list-style-type: none"> <li>• WEMP Programme</li> </ul>
Office of the Environmental Protection Authority	<ul style="list-style-type: none"> <li>• Amendments to Ministerial Statements</li> <li>• Annual Audit Compliance Report</li> <li>• Air Quality Data</li> <li>• Review of the FAQMP</li> <li>• Dust events above NEPM Guideline</li> <li>• Noise and Blast Quarterly Monitoring Reports</li> <li>• Environmental Approvals</li> <li>• Life of Mine Approvals</li> </ul>

**Table 9: Non-Government Agency Stakeholder Consultation – Fimiston Operation**

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



## APPENDIX A: MINISTERIAL CONDITIONS AUDIT TABLE

**FIMISTON GOLD MINE – PHASE II MINE AND WASTE DUMPS (188:M)**

**and**

**FIMISTON GOLD MINE OPERATIONS EXTENSION (STAGE 3) AND MINE CLOSURE PLANNING (782:M)**



**KCGM Audit Table**

**Ministerial Statements: 188 and 782**

**Period: 1 January 2014 to 31 December 2015**

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: - AER - Annual Environmental Report (KCGM); Annual Audit Compliance Audit Report (This Report); Chief Executive Officer - CEO; City of Kalgoorlie-Boulder – CKB; Community Reference Group – CRG; Department of Environment and Conservation – DEC; Department of Mines and Petroleum - DMP; Environmental Protection Authority – EPA; Golden Mile Mining Development Planning Committee – GMMDPC (no longer exists); Goldfields Dust Abatement Committee – GDAC (no longer exists); Health Department of WA - DoH; Heritage Council Western Australia - HCWA; Minister for the Environment - Minister; 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-complaint, NR = Not Required at this stage.

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
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 M:188 and 782:M submitted to the OEPA annually by the 28 Feb.	Minister		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		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		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 (2015) and approved on the 19 November 2015. A copy is available from the KCGM website (www.superpit.com.au).	DMP	GMMDPC (no longer exists)	Operation	Annually	C
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 Min of Env. From January 1992, the proponent shall meet noise level standards to be set by the Min of Env 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	CKB,  Min for Mines	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	Minister	Min of Env	Operation	From January 1992 until Noise Regulation 17 Variation was approved 14 July 2009.	NR

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
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 Min of Env 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	EPA	Operation	Prior to dumping waste within 500m of residences.	NR
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		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 is provided in Section 5 of the KCGM AER which is to be submitted to the regulators on an annual basis by the 31 March.	EPA		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 2015) was approved on 19 November 2015.  Refer to Section 4.4 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 Min of Env 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		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 Min of Env 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 Min of Env 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		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 the regulators by the 31 March.	DMP		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	Ongoing	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 regulators on an annual basis by the 31 March.	EPA		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
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
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 Annual Audit Compliance Report for M:188 and 782:M is submitted to the OEPA annually by the 28 Feb.	Minister		Overall	Ongoing	C



Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
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		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.	DER		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		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.
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 Annual Audit Compliance Report for M:188 and 782:M is submitted to the OEPA annually by the 28 Feb.  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.	DER		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 Annual Audit Compliance Report for M:188 and 782:M is submitted to the OEPA annually by the 28 Feb.  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".	DER		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 conditions of the audit program are covered in the Annual Audit Compliance Report for M:188 and 782:M which submitted to the OEPA annually by the 28 Feb.	DER		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 AACR on the KCGM website <a href="http://www.superpit.com.au">www.superpit.com.au</a>	The annual AACR will be made available on the KCGM website: <a href="http://www.superpit.com.au">www.superpit.com.au</a> within 4 weeks of submission to the OEPA/DER.	DER		Overall	Within 4 weeks of submission to the DER.	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 is the first Five Year Performance Review Report that has been prepared for the Fimiston Operations and covers the calendar year periods from 2010 to 2014 to align with KCGM's annual environmental reporting. Copies of the report are available on the KCGM website ( <a href="http://www.superpit.com.au">www.superpit.com.au</a> ).	Minister		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 <a href="http://www.superpit.com.au">www.superpit.com.au</a>	A copy of the report is available on the KCGM website ( <a href="http://www.superpit.com.au">www.superpit.com.au</a> ) and was loaded within two weeks of the submission.	DER		Overall	Within 2 weeks of submission to the DER.	C
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 Min for Env 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 Min for Env 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 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 Min for Env 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 Min for Env on 3 June 2011.  Minutes from CRG Meetings are available on the KCGM website: <a href="http://www.superpit.com.au">www.superpit.com.au</a> .	Minister		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.
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 Min for Env.	If required continue to fund the independent auditor to report 6 monthly to the CRG for such time as determined by the Min for Env.	The eighteen months overall review has been completed, the report finalised and 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).  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	Minister		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
				<p>Auditor.</p> <p>Both the fourth and fifth independent environmental audits have now been 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>					
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 Min for Env on advice of the DER.	Prepare and implement a management plan for waste dumping.	<p>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.</p> <p>No dumping is occurring with 500m of residences outside of approved plans.</p> <p>Independent Auditors Report, available from the KCGM website: <a href="http://www.superpit.com.au">www.superpit.com.au</a></p>	Minister	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.	<p>Not required at this stage.</p> <p>New condition in 2009, did not specifically apply to historical approvals outlined in 782:M6.1 (although consultation was undertaken).</p>	Minister	CKB	Overall	Prior to the dumping of waste within five hundred metres 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 Min for Env 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 Min of Env on advice of the DER and the DoH.	<p>OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 782:M7.3.</p> <p>The FAQMP is being implemented.</p> <p>Consultation with the DER and the DoH in preparation of this plan was undertaken by the EPA during the PER process.</p>	Minister	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 Min for Env 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 annual review of the 2012 FAQMP was completed and submitted to the OEPA, DER and DoH via email in December 2012. The OEPA confirmed by letter dated 14 August 2013 that the 2012 FAQMP (and additional documents requested) satisfied this condition. The letter also contained approval by the EPA to vary the subsequent revisions of the FAQMP to three yearly intervals. The 2015 revision was submitted to the OEPA on the 23 December 2015 and is currently under review.	Minister	DER, DoH	Overall	Three yearly from 2012.	C

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
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 Annual Audit Compliance Report (AACR) provides an audit table indicating compliance with the measures that were implemented. The current FAQMP is available on the KCGM website: <a href="http://www.superpit.com.au">www.superpit.com.au</a> .  The 2015 FAQMP is currently under review by the regulators. Measures to be implemented will be completed following the approval of the plan.	Minister		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 Mines Safety and Inspection Regulations 1995 for the reporting period.	Minister		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.	On the 1 May 2015 the KCGM website was maliciously hacked causing it to crash. On the 6 May 2015 KCGM notified the OEPA and the DER that as a result of the crash the 24 Hour Dust Monitoring Report and the Real Time Noise Monitoring Report, normally stored on the website, were unavailable to the public. More information on this incident can be found in this AACR (Section 4.1).	Minister		Overall	Within 24 hours of recording data.	NC
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		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.	PIL information is made publicly available through presentations at the CRG meetings.  Minutes from CRG Meetings are available on the KCGM website: <a href="http://www.superpit.com.au">www.superpit.com.au</a>	Minister		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.	Environmental Protection (Fimiston Gold Mine Noise Emission Approval) 2009 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 Min of Env 24 March 2010.  KCGM letter dated 23 September 2010 to OEPA notifying that the Golden Pike Cutback had commenced in late March 2010.	Minister		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	Minister		Overall		CLD



Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
				condition.					
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	WAPC, DPI, and CKB	Overall		CLD
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 5.3 of this report and the Quarterly Noise and Vibration Reports.	Minister		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 5.3 of this report.	DER		Overall	Within 36 hours following detonation.	NR
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 NVMMMP to ensure that all airblast levels due to blasting comply with Regulation 11 of the Environmental Protection (Noise) Regulations 1997.	On 27 March 2015 Elevated airblast readings were recorded at four KCGM blast monitoring sites. Airblast readings greater than the limit of 120 dB were recorded at monitoring sites Bravo (121.6 dB), Charlie (123.1 dB) and Delta (125.1 dB) and greater than the limit of 125 dB at monitoring site Echo (125.3 dB) following a blast in the Golden Pike area of the Fimiston Open Pit. This event reported to the OEP and DER on the 30 March 2015. No public complaints were received as a result of the blast.  Refer to Section 5.3 of this report.	Minister		Overall	Ongoing	NC
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 NVMMMP 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 OEPA in the Noise and Blast Monitoring Quarterly Reports.  Refer to Section 5.3 of this report.	Minister		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 NVMMMP 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.	The ppv did not exceed 5 mm/sec for 95% of blasts for the 2015; the ppv did not exceed 10 mm/sec for any blast; and there were no blasts more than one in ten consecutive blasts that exceeded 5 mm/sec ppv. Results are available in the Noise and Blast Monitoring Quarterly Reports.  Refer to Section 5.3 of this report.	Minister		Overall	Ongoing	C
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 air blast 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	A revised 'provisional' NVMMMP was submitted to the OEPA and DER 12 August 2009. Approval of the NVMMMP 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 NVMMMP 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 NVMMMP was submitted in October 2010 and subsequently approved by the OEPA 6 December 2010. The October 2010 NVMMMP is available	Minister		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.

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
			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.	on the KCGM website ( <a href="http://www.superpit.com.au">www.superpit.com.au</a> ).					
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 NVMMMP within six months following the issuing of the notice.	The 'provisional' NVMMMP submitted 12 August 2009 was implemented. The DER accepted the NVMMMP 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		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 NVMMMP 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.	No amendments of the NVMMMP were made during 2015 however it is anticipated that the NVMMMP will be updated during 2016 following approval of the Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2015 which as at the 31 December 2015 requires Ministerial approval prior to publication in the Government Gazette. The current version of the NVMMMP (October 2010) is available from the KCGM website: <a href="http://www.superpit.com.au">www.superpit.com.au</a> .	Minister	DER	Overall	As required by the EPA	C
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.	The NVMMMP (October 2010) has been implemented. Refer to NVMMMP Audit Table in Appendix B of this AACR report. On the 1 May 2015 the KCGM website was maliciously hacked causing it to crash. On the 6 May 2015 KCGM notified the OEPA and the DER that as a result of the crash the 24 Hour Dust Monitoring Report and the Real Time Noise Monitoring Report, normally stored on the website, were unavailable to the public. More information on this incident can be found in this AACR (Section 4.1).	Minister		Overall	Ongoing	NC
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		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	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	HCWA	Overall		C

Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
		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.							
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 on the 14 April 2010.  The April 2010 MCP is available on the KCGM website and can be found on the following link: <a href="http://www.superpit.com.au">www.superpit.com.au</a> .	Minister, Min for Mines and Petroleum	EPA	Overall	Prior to 30 April 2010	CLD
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 MCP was submitted on 14 April 2010 and again in April 2012. A revised 2012 MCP was submitted in December 2013 and approved by the OEPA on behalf of the listed agencies on the 4 November 2013.  The MCP 2015 was submitted on 31 March 2015 and approved on 19 November 2015 by the OEPA on behalf of the listed agencies.  Refer to Section 4.4 of this report.	Minister	DMP, DER, DPI, WAPC, CKB, DoW and Registrar of Aboriginal Sites	Overall		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 4.4 of this report.	Minister	DMP, DER, DPI, WAPC, CKB, DoW and DIA	Overall	Every 3 years from last submission date (previously 2 years)	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.	The Annual Audit Compliance Report provides an audit table in Appendix B indicating the compliance status with the measures that were implemented.	Minister	DMP, DER, DPI, WAPC, CKB, DoW and DIA	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 <a href="http://www.superpit.com.au">www.superpit.com.au</a>	The current MCP is available from the KCGM website: <a href="http://www.superpit.com.au">www.superpit.com.au</a>	CEO	OEPA	Overall	In the month following the approval.	C
		Prior to commencement of proposed works, the proponent shall submit an Aboriginal Cultural Heritage Management	Submit an Aboriginal Cultural Heritage Management Plan that meets the	Letter of submission of ACHMP to DIA 29 December 2009. Email received from DIA 9 February 2010 advising plan	DIA		Design	Prior to commencement	CLD



Audit Code	Subject	Requirement	How	Evidence	Satisfy	Advice	Phase	Timeframe	Status
782:M12.1	Aboriginal Heritage	Plan that meets the objectives specified in Condition 12-3 as determined by the Minister for Indigenous Affairs.	objectives specified in Condition 12-3 as determined by the Minister for Indigenous Affairs prior to the commencement of proposed works.	meets the DIA's requirements.				of proposed works	
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.	The Annual Audit Compliance Report provides an audit table in Appendix B indicating the compliance status with the measures that were implemented.	DIA		Overall	Ongoing	C



# APPENDIX B: ENVIRONMENTAL MANAGEMENT PLANS AUDIT TABLES



**KCGM Audit Table**

**Environmental Management Plans**

**Period: 1 January 2015 to 31 December 2015**

**Fimiston Air Quality Management Plan:** Compliance was achieved with each objective of the Fimiston Air Quality Management Plan during the audit period as demonstrated in the following Audit Table:

AUDIT TABLE - FIMISTON AIR QUALITY MANAGEMENT PLAN																		
DUST MONITORING AND MANAGEMENT PLAN																		
Objective	KPI	Evidence	Timeframe	Status														
Maintain or reduce the number of complaints associated with dust reportedly from KCGM's operations.	Reduction in dust complaints	There were three complaints recorded during 2015 compared to 2014. The majority were associated with localised activities and hot and dry conditions. No complaints were received when it was determined that KCGM was a significant contributor.  YEAR (Number of Complaints)  2008 (9), 2009 (5), 2010 (6), 2011 (6), 2012 (12), 2013 (7), 2014 (6), 2015 (3).	Annual	C														
Greater than 90% availability of the continuous PM10 monitoring data available from all PM10 monitoring stations on an annual basis.	Annual data availability	>90% data availability was achieved during 2015 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>98.4%</td> <td>99.5%</td> <td>99.2%</td> <td>99.5%</td> <td>94.2%</td> <td>99.5%</td> <td>98.6%</td> </tr> </table>	HGC	BSY	HEW	CLY	HOP	MEX	MTC	98.4%	99.5%	99.2%	99.5%	94.2%	99.5%	98.6%	Annual	C
HGC	BSY	HEW	CLY	HOP	MEX	MTC												
98.4%	99.5%	99.2%	99.5%	94.2%	99.5%	98.6%												
Quarterly calibration of dust monitoring equipment.	Quarterly calibrations	All quarterly calibrations were completed during the audit period. Calibrations were undertaken between 28–31 January 2015, 20–23 April 2015, 15–17 July 2015, and 19–22 October 2015. Calibration reports are available upon request.	Quarterly	C														

Objective	KPI	Evidence	Timeframe	Status
Assessment of data associated with days where the monitored 24-hour PM <sub>10</sub> concentrations were greater than 50 µg/m <sup>3</sup> that may have been associated with KCGM's operations. Corrective actions arising from these assessments would be recommended where appropriate.	Assess events above NEPM	All events above the NEPM PM <sub>10</sub> Standard were assessed during the audit period and reported in accordance with the FAQMP.  Refer to Section 5.1 of this report.	As required	C
Annual reporting of the performance of the DMMP including monitoring results and any modifications recommended from assessments or reviews in the KCGM Annual Environment Report.	Annual reporting	DMMP performance and monitoring results are reported in the AER which is provided annually to the DER and OEPA by 31 March.	Annual	C

Please note that the following objective has been removed from the audit table as it is duplicated by 782:M7.5 and is not listed in the DMMP as an objective. The compliance status of 782:M7.5 is documented in Appendix A.

Monitoring results (24 hr averages) are made available in the KCGM Dust Monitoring Report which is available on the Super Pit website within 24 hrs of the data being recorded.	Daily reporting	Data (24 hr averages) were uploaded to the website daily. PM <sub>10</sub> monitoring data is available on the KCGM website within 24 hours of the recording of that data for the last 30 days and can be found using the following link: <a href="http://www.superpit.com.au">www.superpit.com.au</a>	Ongoing	Removed from Audit Table.
---	-----------------	--	---------	---------------------------

<b>CARBON KILN MERCURY EMISSIONS REDUCTION PROGRAMME</b>				
<b>Objective</b>	<b>KPI</b>	<b>Evidence</b>	<b>Timeframe</b>	<b>Status</b>
Implement a Carbon Kiln Emissions Control Strategy to reduce mercury emissions.	Minimise potential atmospheric emissions of mercury associated with carbon regeneration.	The Carbon Kiln Emissions Control Strategy was initially implemented in 2005. On completion of the Fimiston ERP, which is expected to be during 2016, the CKMERP will no longer be required. For further information please refer to Section 5.1 of the 2015 FAQMP submitted to the OEPA on the 23 December 2015.	Until ERP fully commissioned.	C
If any alterations or modification are carried out on the Fimiston Plant or its equipment which may potentially significantly affect the level of mercury emissions from the Fimiston Operations, then KCGM would advise the OEPA and the DER of the expected changes in mercury emissions.	Report any alterations or modification of equipment which may potentially significantly affect the level of mercury emissions from the Fimiston Operations to the OEPA and the DER.	During 2015, KCGM commenced implementation of the Fimiston Emissions Reduction Project (ERP) which has been designed to capture greater than 90% of the atmospheric mercury emissions associated with mineral processing activities at the Fimiston Processing Plant. Phase One of the Fimiston ERP involves the installation of a new carbon regeneration kiln (Kiln 5) fitted with an exhaust gas scrubber, a regenerative thermal oxidiser, and a sulphur impregnated carbon scrubber. A mercury retort unit was also installed in the gold room to capture mercury emissions from the furnace.  Phase Two of the ERP will involve incorporating the two existing carbon regeneration kilns, Kiln 3 and Kiln 4, to the emission control equipment installed during Phase One. On completion of the Fimiston ERP, which is expected to be during 2016, the CKMERP will no longer be required.	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: <a href="http://www.npi.gov.au">www.npi.gov.au</a> .	Annual	C
<b>MERCURY AND NICKEL AMBIENT MONITORING PROGRAMME</b>				
<b>Objective</b>	<b>KPI</b>	<b>Evidence</b>	<b>Timeframe</b>	<b>Status</b>
Complete the proposed Mercury and Nickel Monitoring Programme.	Complete monitoring programme	The 2011 monitoring programme has been completed and results are summarised in the 2011 FAQMP available from the KCGM Website: <a href="http://www.superpit.com.au">www.superpit.com.au</a>	December 2011	CLD
Ambient Mercury Monitoring Programme	Complete monitoring programme as scheduled.	KCGM commenced a twelve monthly ambient mercury monitoring programme in February 2012. The objective was to measure the longer-term ambient mercury concentrations with the Kalgoorlie-Boulder residential area (at the request of the OEPA). The programme was completed early March 2013.	March 2013	CLD

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

<b>AUDIT TABLE - ABORIGINAL CULTURAL HERITAGE MANAGEMENT PLAN</b>				
<b>Objective</b>	<b>KPI</b>	<b>Evidence</b>	<b>Timeframe</b>	<b>Status</b>
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
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.	Review cycle.	<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>The Aboriginal Heritage Amendment Bill 2014, a Bill to amend the Aboriginal Heritage Act 1972 in order to improve its efficiency and effectiveness whilst ensuring the continued and enhanced protection of Aboriginal heritage, was introduced in November 2014. KCGM will continue to track the progress of the Bill and when passed review the changes, and update the ACHMP if applicable.</p>	As required	C

**Noise and Vibration Monitoring and Management Programme:** There were no non-compliances relating to the Noise and Vibration Monitoring and Management Programme during the audit period (Section 4.1 of this report). Compliance was achieved with all other objectives of the NVMMP during the audit period as demonstrated in the following NVMMP Audit Table.

**AUDIT TABLE - NOISE AND VIBRATION MONITORING AND MANAGEMENT PROGRAMME**

Objective	KPI	Evidence	Timeframe	Status
Noise levels for KCGM set in the <i>Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2009</i> are measured and results are recorded.	Noise levels measured and recorded.	All measured levels at all locations complied with the approved noise levels for the night time period.  Refer to Section 5.2 of this report.	Quarterly	C
Any blasts which are greater than the KCGM internal limits are recorded in the Incident Reporting System where they will prompt a full investigation and provide notification to the people responsible for preparing the blast.	Reports are formally investigated	All blast monitoring results greater than internal limits were investigated during the reporting period.  Incidents logged in the Incident Reporting System were reviewed during 2015.	As required	C
KCGM conducts environmental noise monitoring in accordance with the requirements of the Environmental Protection (Noise) Regulations 1997. Clause 7 of the NR17V Approval requires that both continuous and compliance noise monitoring programmes are undertaken.	Continuous and compliance noise monitoring is conducted and results recorded.	Results of the continuous and compliance noise monitoring are provided in the Noise and Blast Monitoring Quarterly Reports submitted to the OEPA.  Refer to Section 5.2 of this report.	Ongoing	C
Maintenance and field calibration of the RTA02 noise loggers is conducted on a weekly basis by KCGM Environmental personnel in accordance with internal standard operating procedures.	Maintenance and field calibrations are conducted and recorded.	Objective no longer applicable. (Please refer to Section 5.2 of this report).  Superseded by the objective immediately below.	Weekly	CLD
Maintenance and field calibration of the noise loggers is conducted on a monthly basis by KCGM Environmental personnel, in accordance with internal standard operating procedures.	Maintenance and field calibrations are conducted and recorded.	Spreadsheet records of maintenance and field calibrations are maintained by KCGM.	Monthly	C



**AUDIT TABLE - NOISE AND VIBRATION MONITORING AND MANAGEMENT PROGRAMME**

<b>Objective</b>	<b>KPI</b>	<b>Evidence</b>	<b>Timeframe</b>	<b>Status</b>
The Appeals Committee recommended that as part of the NVMMP, KCGM install and maintain a real-time noise monitoring site that is accessible by the public via the internet.	Implement a real-time noise monitoring site that is accessible by the public via the internet.	The real-time noise monitoring site was installed and commissioned at the KCGM MEX monitoring site during the 2011 reporting period.	December 2011	CLD
KCGM prepares and submits an Annual Noise Monitoring and Management Report to the DER Director.	Submission of the Annual Noise Monitoring and Management Report.	The Annual Noise Monitoring and Management Report was submitted on 14 August 2015 to the DER.	Annually	C
KCGM's airblast and vibration monitoring programme involves recording of airblast and vibration at reference locations for each blast undertaken.	Blast airblast and vibration monitoring programme in place.	Blast airblast and vibration monitoring records for each blast undertaken are provided in the Noise and Blast Monitoring Quarterly Reports.  Refer to Section 5.3 in this report.	Ongoing	C
The blast monitoring equipment is returned to Texcel (manufacturer and supplier) on an annual basis for calibration.	Annual calibrations.	Calibrations were completed during the reporting period. Certificates of calibration are provided in the Noise and Blast Monitoring Quarterly Reports.  Refer to Section 5.3 in this report.	Ongoing	C
A Quarterly Noise and Blast Monitoring Report is submitted to the OEPA.	Submission of the Quarterly Noise and Blast Monitoring Report.	Quarterly Noise and Blast Monitoring Reports were submitted to the OEPA during the reporting period.  Refer to Section 5.3 in this report.	Quarterly	C
Maintain community consultation through the CRG. This may include (but not limited to) the results of quarterly compliance monitoring, any projects or plans which have to potential to change noise emissions, public complaints and actions taken, updates regarding findings from modeling and noise control activities.	Noise and vibration is addressed at CRG meetings as required.	Minutes from CRG Meetings are available on the KCGM website: <a href="http://www.superpit.com.au">www.superpit.com.au</a> .	Ongoing	C

**AUDIT TABLE - NOISE AND VIBRATION MONITORING AND MANAGEMENT PROGRAMME**

<b>Objective</b>	<b>KPI</b>	<b>Evidence</b>	<b>Timeframe</b>	<b>Status</b>
Provide a means for the public to communicate concerns regarding noise and vibration to KCGM.	Ensure all noise and vibration complaints are recorded in PIL.	<p>The Public Interaction Line (PIL) is available 24 hours, 7 days a week. The public are also encouraged to contact any CRG Member regarding any concerns if they would prefer not to contact KCGM directly. Public concerns can also be communicated to KCGM via regulators.</p> <p>Public Complaints regarding noise and any actions taken are discussed in the Noise and Blast Monitoring Quarterly Reports.</p> <p>Refer to Section 4.5 in this report.</p>	Ongoing	C
The Appeals Committee recommended that as part of the NVMMP, KCGM implement a community noise amelioration programme that will benefit the community most affected by noise from KCGM operations and that this would be over and above the commitments that KCGM have already made to other community projects.	Implement a community noise amelioration programme that will benefit the community most affected by noise from KCGM operations.	Updates regarding the implementation of the community noise amelioration programme are provided in the Noise and Blast Monitoring Quarterly Reports.	Ongoing	C

## Rehabilitation and Closure Management Plan

KCGM has developed a Mine Closure Plan (MCP) in accordance with 782:M11.

The first MCP was submitted on 14 April 2010. KCGM's second update of the MCP was submitted to relevant government authorities on 30 April 2012, in the DMP/EPA guideline format. 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 MCP (MCP 2012: Resubmission) in December 2012. KCGM received correspondence from the OEPA on 4 November 2013 approving the MCP.

The current MCP 2015, which supersedes the previous MCPs, was submitted in March 2015. KCGM received correspondence from the OEPA on 19 November 2015 approving the MCP. , The current MCP is available on the KCGM website: [www.superpit.com.au](http://www.superpit.com.au).

The current audit period relates to two MCPs, namely the MCP 2012: Resubmission (period 1 January 2015 to 18 November 2015) and the MCP 2015 (period 19 November to 31 December 2015).

Audit table for the MCP 2012: Resubmission

AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN				
MCP 2012:Resubmission (Period 1 January 2015 to 18 November 2015)				
Domain	Planned Action	Timing	Outcomes	Status
Overarching Strategy	Review and update closure risk assessment.	Triennially until relinquishment	Reviewed in 2015	C
Overarching Strategy	Review and update closure provision.	Annually until relinquishment	2015 Closure Provision complete	C
Overarching Strategy	Record and report closure activities undertaken in the Annual Environmental Report (AER).	Annually until relinquishment	2015 AER in preparation for submission in March 2016	C
Overarching Strategy	Review, update and submit Mine Closure Plan (MCP).	Triennially until relinquishment	MCP 2015 submitted in March 2015, approved November 2015	C

**AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN**

MCP 2012:Resubmission (Period 1 January 2015 to 18 November 2015)

<b>Domain</b>	<b>Planned Action</b>	<b>Timing</b>	<b>Outcomes</b>	<b>Status</b>
Overarching Strategy	Review rehabilitation materials inventory and update GIS layers.	Ongoing until relinquishment	Reviewed as part of the compilation of the approved MCP 2015	
Overarching Strategy	Develop Rehabilitation and Waste Material Strategies.	Ongoing until relinquishment	Rehabilitation strategy, including Visual Amenity Concept, for optimisation of materials provided in approved 2015 MCP (Section 9.1 and 9.2).	CLD
Overarching Strategy	Review and update Cyanide Facility Decommissioning Plan.	Triennially from 2011 until closure	Review CN Decommissioning Plan every 3 years. Last review occurred prior to recertification in 2014	CLD
Overarching Strategy	Develop WRL Progressive Rehabilitation and Closure Strategy.	Ongoing development to 2013	Rehabilitation strategy, including Visual Amenity Concept, for optimisation of materials provided in approved 2015 MCP (Section 9.1 and 9.2).	CLD
Exploration Domain	Investigation into rehabilitation of exploration areas.	2013	Investigation into exploration rehabilitation requirements commenced in 2013. It will take several years to confirm the data set.	C
Exploration Domain	Rehabilitate drill holes and tracks in accordance with exploration rehabilitation strategy.	Ongoing	Rehabilitation of exploration holes as per DMP tenement conditions.	C
Regional Landforms – Miscellaneous Domain	Contaminated sites investigation and audit.	Ongoing Investigations from 2013. Audit at key milestones	Further work occurred in 2015 on a number of listed contaminated sites, including historic tailings facilities	C

**AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN**

MCP 2012:Resubmission (Period 1 January 2015 to 18 November 2015)

<b>Domain</b>	<b>Planned Action</b>	<b>Timing</b>	<b>Outcomes</b>	<b>Status</b>
Fimiston Landforms-Southern WRL, Central WRL, Northern WRL, Environmental Noise Bund WRL	Erosion and surface water modelling of WRL.	Ongoing from 2009	Erosion and water management modelling was completed as part of the design work for the Fimiston waste rock dumps, using Siberia and WEPP. The resultant design has been trialled on the Northern waste rock dump. This work was summarised in the MCP 2015	CLD
Fimiston Landforms-Southern WRL, Central WRL, Northern WRL, Environmental Noise Bund WRL	Kinetic test work on waste rock materials.	Ongoing from 2011	Kinetic studies on Fimiston waste rock completed during 2012 - 2013	CLD
Fimiston Landforms-Southern WRL	Determine ownership of calcine TSF located within domain.	2013	A review of the files pertaining to calcine TSF has been completed, with no significant findings	CLD
Fimiston I, Fimiston II and Kaltails TSF Feature	Expand domain work programme.	2013	Investigations and studies for TSF closure designs have been completed, with outcomes to be provided in the 2018 MCP.	C
Fimiston I, Fimiston II and Kaltails TSF Feature	Investigate options for transporting capping material across Trans Australia Railway Line.	2013	Investigate budgeting cost for rail crossing. Data collected in 2013. Additional work conducted in 2014.	CLD
Fimiston I, Fimiston II and Kaltails TSF Feature	Assess post closure seepage from the Fimiston I and Kaltails TSF features.	Ongoing	Closure pumping requirements for Fimiston TSFs reviewed in December 2015.	C

**AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN**

MCP 2012:Resubmission (Period 1 January 2015 to 18 November 2015)

<b>Domain</b>	<b>Planned Action</b>	<b>Timing</b>	<b>Outcomes</b>	<b>Status</b>
Fimiston I, Fimiston II and Kaltails TSF Feature, Gidji Landforms – TSF	Geochemical characterisation of tailings.	Triennially until deposition ceases.	Sample tailings for chemical analysis.  Sampling undertaken in December 2015.	C
Fimiston I, Fimiston II and Kaltails TSF Feature	Geotechnical Review.	Annually until geotechnical expert determines no longer required.	Annual TSF Audits as per DMP Tenement conditions and submitted to DMP for review.  Completed in 2015.	C
Herliette Tailings TSF Feature	Geochemical characterisation of tailings bed.	2012	Chemical testing and root study conducted in Q2 2012: TSF subsequently buried under waste dump.	CLD
Herliette Tailings TSF Feature	Stripping and stockpiling of topsoil without disturbing underlying tailings.	Ongoing from 2012.	Topsoil stripped off Herliette TSF and stockpiled for future use in 2012; Completed.	CLD
Fimiston Rehabilitation Materials Stockpiles Feature	Conduct operational review.	2013	Operational infrastructure (pipelines) would be compromised by stockpiling of capping material in this location; The location is currently in use.	CLD
Fimiston Industrial Infrastructure	Review surface water runoff control strategy.	Ongoing until relinquishment.	Review for select areas was completed 2013.	C

**AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN**

MCP 2012:Resubmission (Period 1 January 2015 to 18 November 2015)

<b>Domain</b>	<b>Planned Action</b>	<b>Timing</b>	<b>Outcomes</b>	<b>Status</b>
Fimiston Open Pit and Sam Pearce Decline Feature	Investigate stability of landforms and infrastructure around the Fimiston Open Pit.	2013	<p>Geotechnical review of Fimiston Open Pit surrounds:</p> <p>Comprehensive studies of pit stability were completed for the 2009 PER;</p> <p>In a 2012 Closure Scoping meeting (DMP/OEPA) DMP Geotechnical representatives stated that they did not see stability of the Fimiston Open Pit as an immediate concern.</p> <p>Stability review will be scheduled closer to end of Mine Life.</p>	NR
Fimiston Open Pit and Sam Pearce Decline Feature	Investigate options for long term maintenance of ring lock fence.	Ongoing until 2021.	Options investigated and prioritised.	NR
Gidji Landforms – TSF	Develop TSF Decommissioning Plan.	2012	Conceptual decommissioning plan for Gidji TSF completed in 2012.	CLD
Gidji Landforms – TSF	Establish capping trials on TSF.	2013	Deferred, as construction activities still underway at Gidji TSF in 2013. More appropriate to delay this work until future tailings facilities design is known.	NR
Gidji Industrial Infrastructure	Review surface water runoff control strategy.	Ongoing until relinquishment.	Surface runoff managed in accordance with control strategy.	NR



**AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN**

MCP 2012:Resubmission (Period 1 January 2015 to 18 November 2015)

<b>Domain</b>	<b>Planned Action</b>	<b>Timing</b>	<b>Outcomes</b>	<b>Status</b>
Gidji Industrial Infrastructure	Inspect site after decommissioning and determine areas where application of growth medium is required (if available).	Ongoing until relinquishment.	Site inspection conducted and actioned as necessary.	NR
Gidji Industrial Infrastructure	Develop work instructions for rehabilitation of disturbed areas.	Ongoing until relinquishment.	Planned activities for this feature have been documented in the implementation section of the 2015 MCP.	NR
Mt Charlotte Coreyard and Infrastructure Features	Review surface water runoff control strategy.	Ongoing until relinquishment.	Surface runoff managed in accordance with control strategy.	NR
Mt Charlotte Coreyard and Infrastructure Features	Appointment of Site Decommissioning Superintendent.	2013	Deferred, as Mt Charlotte still an active mining operation; Senior Environmental Co-ordinator retains role during operational period.	NR
Mt Charlotte Glory Hole and Cassidy Headframe Features	Review commencement date for partial backfilling of the Glory Hole and incorporate into review of closure provision.	Annually.	Glory Hole backfill is reviewed annually.	C
Mt Charlotte Underground Mine Feature	Review unfilled void volume and update provision if required.	Annually until mining completed.	Void volumes are reviewed annually.	C

**AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN**

MCP 2012:Resubmission (Period 1 January 2015 to 18 November 2015)

Domain		Planned Action	Timing	Outcomes	Status
Mt Underground Feature	Charlotte Mine	Update risk assessment of seismicity to take into account final mined and backfilled void volumes.	Biennially from 2011.	Regular review of seismicity risk is an ongoing operational requirement.	C
Mt Underground Feature	Charlotte Mine	Update risk assessment of surface instability taking into account final mined and backfilled voids.	Biennially from 2011.	Regular surface instability review is an ongoing operational requirement.	C
Mt Underground Feature	Charlotte Mine	Backfilling of voids.	Ongoing	Historic voids are fenced as they occur.	C
Mt Infrastructure	Percy Mining	Investigate options for preventing public access to Hannans North underground workings below the 190 m level.	2013	Deferred, as Hannan's North Tourist Mine deeper works are currently inaccessible.	NR
Mt Infrastructure	Percy Mining	Prepare safety and security strategy for decommissioning.	Ongoing	Deferred as Mt Percy is still a prospective area.	NR
Oroya, Balgold and Galconda TSF Feature		Expand work domain programme.	2014	These features have been incorporated into the Fimiston Waste Rock Dump Domain in the 2015 MCP.	NR

**AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN**

MCP 2012:Resubmission (Period 1 January 2015 to 18 November 2015)

<b>Domain</b>	<b>Planned Action</b>	<b>Timing</b>	<b>Outcomes</b>	<b>Status</b>
Fimiston Open Pit and Sam Pearce Decline Feature	Investigate attractiveness of pit lake to fauna and potential impacts from predicted post closure water quality.	2014	Pit lake modelling, including chemistry was done in late 2014. A review was done of other hypersaline facilities such as the Fimiston TSF and 8 years of visitation data. The outcome is presented in the 2015 MCP.	NR
Mt Charlotte Coreyard and Infrastructure Features	Prepare decommissioning plan.	2014	As Mt Charlotte still an active mining operation until 2018, this task has been rescheduled. This is contained within the Mt Charlotte Surface Infrastructure feature in the 2015 MCP.	NR
Mt Charlotte Coreyard and Infrastructure Features	Review asset retirement options.	2014	Mt Charlotte Life of Mine has been extended to 2018, this task has been rescheduled. KCGM will continue to refine closure planning for Mt Charlotte.	NR
Mt Charlotte Coreyard and Infrastructure Features	Prepare asset transfer agreements for infrastructure to be retained on site or utilised by the community.	2014	Mt Charlotte Life of Mine has been extended to 2018, making this a non-essential task at present. KCGM will continue to refine closure planning for Mt Charlotte.	NR
Mt Charlotte Underground Mine Feature	Update mine flooding assessment to take into account final mined and backfilled void volumes and potential for groundwater contamination from contact with mineralised material in underground voids and the Glory Hole.	2014	An updated closure water balance model was completed for Mt Charlotte by a hydrogeologist in 2014. Outcomes are presented in the MCP 2015.	C

**AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN**

MCP 2012:Resubmission (Period 1 January 2015 to 18 November 2015)

<b>Domain</b>	<b>Planned Action</b>	<b>Timing</b>	<b>Outcomes</b>	<b>Status</b>
Mt Percy Landforms – WRL	Develop relinquishment strategy.	2014	The relinquishment strategy for Mt Percy has been documented in the Implementation section of the MCP 2015.	C
Mt Percy Landforms – WRL	Develop work domain programme, including geotechnical, geochemical and drainage design reviews as required.	2014	Planned activities for this feature have been documented in the Implementation section of the MCP 2015.	C
Mt Percy Landforms – TSF	Develop relinquishment strategy.	2014	Planned activities for this feature have been documented in the Implementation section of the MCP 2015.	C
Mt Percy Industrial Infrastructure	Develop relinquishment strategy.	2014	Planned activities for this feature have been documented in the Implementation section of the MCP 2015.	C
Mt Percy Industrial Infrastructure	Prepare a rehabilitation plan.	2014	Planned activities for this feature have been documented in the Implementation section of the MCP 2015.	C
Mt Percy Mining Infrastructure	Develop rehabilitation strategy including investigation into options for backfilling of the Sir John Open Pit (including capillary break over tailings material).	2014	Planned activities for this feature have been documented in the Implementation section of the MCP 2015.	C

**AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN**

MCP 2012:Resubmission (Period 1 January 2015 to 18 November 2015)

Domain			Planned Action	Timing	Outcomes	Status
Mt	Percy	Mining Infrastructure	Develop relinquishment strategy.	2014	Further investigation is required with respect to best options; A commitment has been added to the MCP 2015 to investigate this further.	C
Mt	Percy	Mining Infrastructure	Develop work instruction for construction of abandonment bunds (if required).	2014	Further investigation is required with respect to best options; earthworks need to be consolidated for optimisation of machinery and costs; Area is currently fenced with security patrols; This is not considered an urgent activity; Deferred in scheduling.	NR
Mt	Percy	Mining Infrastructure	Construction of abandonment bunds (if required).	2014	Further investigation is required with respect to best options; earthworks need to be consolidated for optimisation of machinery and costs; Area is currently fenced with security patrols; This is not considered an urgent activity; Deferred in scheduling.	NR
Mt	Percy	Mining Infrastructure	Put infrastructure in place to prevent public access to Hannans North underground workings below the 190 m level.	2014	Deferred, as Hannan's North Tourist Mine deeper works are currently inaccessible. KCGM are currently managing Hannan's North Tourism Mine.	NR
Mt	Percy	Mining Infrastructure	Prepare asset transfer for Hannans North underground workings.	2014	Deferred, as Hannan's North Tourist Mine deeper works are currently inaccessible. KCGM are currently managing Hannan's North Tourism Mine.	NR

**AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN**

MCP 2012:Resubmission (Period 1 January 2015 to 18 November 2015)

<b>Domain</b>	<b>Planned Action</b>	<b>Timing</b>	<b>Outcomes</b>	<b>Status</b>
Old Croesus TSF Feature	Investigate closure strategies.	2015	Complete. Additional information to be provided in the MCP 2018.	C
Morrison's Flats TSF Feature	Prepare rehabilitation plan.	2015	Complete. Additional information to be provided in the MCP 2018	C
Fimiston Open Pit and Sam Pearce Decline Feature	Block access to Sam Pearce decline.	2015	The Mt Charlotte Underground Mine is still operational; the timing of this action has been deferred.	NR
Mullingar TSF (Mt Percy Landforms – TSF)	Develop TSF Decommissioning Plan.	2015	Complete. Additional information to be provided in the MCP 2018	C

**AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN**

MCP 2015 (period 19 November 2015 to 31 December 2015)

Scheduled Closure Tasks (Table 20 of MCP 2015)

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 to pit.	2015	Complete. Documented in approved MCP 2015	C
			Pit wall stability monitoring.	2015	Ongoing and continuous operational requirement	C
Fimiston	Waste Rock Dumps	Trafalgar Oroya Northern North Eastern Environmental Noise Bund	Refine Visual Amenity concept for WRDs.	2015	Complete. Documented in approved MCP 2015	C
			Waste Dump Closure Planning Strategy, including implementation of a new rehabilitation design.	2015	Complete. Documented in approved MCP 2015	C
			Review of Materials Classification System (erodibility focus).	2015	Complete. Documented in approved MCP 2015	C
			Update Materials Balance Inventory / Rehabilitation Material Reconciliation.	2015	Complete. Documented in approved MCP 2015	C
			Review of Rehabilitation Monitoring Programme.	2015	Complete. Documented in approved MCP 2015	C
			Refine completion criteria.	2015	Complete. Documented in approved MCP 2015	C
			Acquisition of Additional Topsoil.	2015	Complete. Documented in approved MCP 2015	C
			Kinetic Study of Waste Materials.	2015	Complete. Documented in	C



**AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN**

MCP 2015 (period 19 November 2015 to 31 December 2015)

Scheduled Closure Tasks (Table 20 of MCP 2015)

Operational Area	Domain	Feature	Task	Timing	Outcomes	Status
					approved MCP 2015.	
	Tailings Storage Facilities	Fimiston I Fimiston II Kaltails	Review of Materials Classification System (erodibility focus).	2015	Complete. Documented in approved MCP 2015.	C
			Update Materials Balance Inventory / Rehabilitation Material Reconciliation.	2015	Complete. Documented in approved MCP 2015.	C
			Review of Rehabilitation Monitoring Programme.	2015	Complete. Documented in approved MCP 2015.	C
			Refine completion criteria.	2015	Complete. Documented in approved MCP 2015.	C
			Material characterisation studies.	2015	Complete. Documented in approved MCP 2015.	C
Mt Charlotte	Mining Infrastructure	Glory Hole Pit	Pit wall stability monitoring.	2015	Ongoing and continuous operational requirement.	C
Mt Percy	Mining Infrastructure	Sir John Open Pit Mystery and Union Club Open Pits	Pit wall stability monitoring.	2015	Ongoing and continuous operational requirement.	C

**AUDIT TABLE: REHABILITATION AND CLOSURE MANAGEMENT PLAN**

MCP 2015 (period 19 November 2015 to 31 December 2015)

Scheduled Rehabilitation Activities (Table 21 of MCP 2015)

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.	2015	Ongoing and continuous operational requirement.	C
	WRDs	Trafalgar Oroya Northern North Eastern Environmental Noise Bund	Implement the Visual Amenity Concept.	2015	Commenced as a component of planning of the progressive rehabilitation.	C
			Conduct progressive rehabilitation on available areas.	2015	Commenced as a component of planning of the progressive rehabilitation.	C