

**Keith Lindbeck and Associates  
Environmental Management Consultants**



**COMPLIANCE REPORT BY INDEPENDENT  
ENVIRONMENTAL AUDITOR**

**Audit Period – 29 January to 28 July 2009**

**FIMISTON GOLD MINE OPERATIONS EXTENSION  
(STAGE 3 - GOLDEN PIKE CUTBACK) AND MINE  
CLOSURE PLANNING**

**KALGOORLIE CONSOLIDATED GOLD MINES PTY LTD**

**As Required by Conditions 5-3 and 5-4  
Contained Within Ministerial Statement No. 782**

Report Prepared for: **Community Reference Group, Kalgoorlie**

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## EXECUTIVE SUMMARY

Kalgoorlie Consolidated Gold Mines Pty Ltd (“KCGM”) submitted a proposal to the Environmental Protection Authority (EPA) to undertake the Golden Pike Cutback of the “Superpit” immediately to the north of the City of Kalgoorlie-Boulder. This cutback has the potential to create adverse impacts of noise and dust generation on nearby city residents.

The EPA formally assessed the proposed project and on 29 January 2009, the Minister for the Environment issued a “Statement that a Revised Proposal may be Implemented (Pursuant to the Provisions of the *Environmental Protection Act 1986*)” – Statement No. 782.

Condition 5-3 imposed within Statement No. 782 required KCGM to appoint an independent environmental auditor to audit compliance with the conditions contained in the Statement and the site DEC operating licence (L6420/1988/12) and report to the Community Reference Group.

The independent auditor, Mr Keith Lindbeck of Keith Lindbeck and Associates was appointed on 17 June 2009.

The independent environmental audit for the period 29 January 2009 to 28 July 2009 has been completed.

All relevant records and reports were sighted.

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 DEC operating licence (L6420/1988/12).

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### ATTACHMENT 1

Audit Table for Compliance with Ministerial Statement No. 782

## 1.0 INTRODUCTION

### 1.1 BACKGROUND

Kalgoorlie Consolidated Gold Mines Pty Ltd (“KCGM”) submitted a proposal the Environmental Protection Authority (EPA) to undertake the Golden Pike Cutback of the “Superpit” immediately to the north of the City of Kalgoorlie-Boulder. This cutback has the potential to create adverse impacts of noise and dust generation on nearby city residents.

The EPA formally assessed the proposed project and on 29 January 2009, the Minister for the Environment issued a “Statement that a Revised Proposal may be Implemented (Pursuant to the Provisions of the *Environmental Protection Act 1986*)” – Statement No. 782.

This Ministerial Statement No. 782 contains Conditions 5-3 and 5-4 which state:

5-3 The proponent shall appoint and fund an independent environmental auditor for an initial period of eighteen months to report to the community through the community reference group and to the Minister for the Environment on the environmental performance of the proponent. The auditor shall

1. check on compliance with the Ministerial Conditions contained in this Statement;
2. report on the results of dust monitoring and actions taken where dust levels have exceeded set criteria and can be attributed to the proponent;
3. report on the 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 environmental criteria as soon as practicable after identifying that non-compliance or inconsistency; and
6. carry out an overall review after eighteen months and advise the Minister for the Environment as to whether the independent auditing should continue.

5-4 Subject to the outcomes of the eighteen month review described in item 6 of condition 5-3, the proponent will continue to fund the independent environmental auditor after the initial period of eighteen months for such time as determined by the Minister for the Environment.

These Conditions, therefore, are the terms of reference for the Independent Auditor.

### 1.2 APPOINTMENT OF AUDITOR

On 17 June 2009, KCGM advised the Minister for the Environment that Keith Lindbeck of Keith Lindbeck and Associates had been appointed under Condition 5-3 as the independent environmental auditor to report to the Community Reference Group (CRG).

### 1.3 AUDIT REPORTING PERIODS

In the following months following the appointment of the auditor, it became unclear to KCGM and the auditor that the commencement date for the audit process was not clearly defined.

This matter was referred to the EPA for a decision. On 17 December 2009, the EPA advised that the commencement date was the date of issue of the Ministerial Statement (viz. 29 January 2009).

Therefore, the auditing dates for the three six-monthly periods are:

- 29 January to 28 July 2009
- 29 July 2009 to 28 January 2010
- 29 January 2010 to 28 July 2010.

Consequently, the independent auditor's reports will be considered by the CRG on:

- 11 February 2010
- 13 May 2010
- 11 Nov 2010.

It is anticipated that the draft review report (after 18 months of auditing) to be referred to the Minister will be available around 25 November 2010.

## **2.0 PROTOCOL FOR PROJECT AUDITING**

A protocol for management and operation of the independent audits was developed and agreed between KCGM and the independent auditor on 25 November 2009.

### 3.0 LITERATURE REVIEWED

The following initial documents providing background information were reviewed by the auditor:

- Ministerial Statement No. 782 dated 29 January 2009
- Kalgoorlie Consolidated Gold Mines Pty Ltd Revised Noise and Vibration Monitoring and Management Programme June 2004
- Fimiston Operations Air Quality Management Plan – 30 September 2009
- Department of Environment and Conservation Licence for Prescribed Premises L6240/1988/12 (commencing 1 October 2008 and expiring 30 September 2011)
- Minutes of CRG Meeting held 5 February 2009
- Minutes of CRG Meeting held 5 March 2009
- Minutes of CRG Meeting held 2 April 2009
- Minutes of CRG Meeting held 7 May 2009
- Fimiston Operations – Seepage and Groundwater Management Plan dated 30 September 2009.

The following documents providing additional background information and data were reviewed by the auditor to enable the audit process to be completed:

- Acoustic Assessment, Golden Pike Development including Noise Bund Construction (Herring Storer Acoustics, June 2005)
- Northern Waste Rock Dumps Environmental Acoustic Assessment (Herring Storer Acoustics, July 2006)
- Supplementary Information for Golden Pike Development, Environmental Acoustic Assessment (Herring Storer Acoustics, July 2006)
- Kalgoorlie Consolidated Gold Mines Super Pit – Effects of Blasting in the Golden Pike Cut-Back (Terrock Consulting Engineers, 27 February 2006)
- Air Dispersion Modelling of Mercury Emissions for KCGM (Environ, 5 July 2006)
- Letter report – KCGM-Fimiston Open Pit Particulate Modelling Update (Environ, 20 September 2007)
- *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2009* – Approval by the Minister for the Environment under Regulation 17 (7) of the *Environmental Protection Act 1986* published in Government Gazette, WA, No. 132, pp2795-2807, 14 July 2009
- Fimiston Operations Noise and Vibration Monitoring and Management Programme (August 2009 Revision) – 11 August 2009
- KCGM – 2008 Annual Environmental Report.

#### **4.0 PRELIMINARY SITE VISITS**

The first visit to the City of Kalgoorlie-Boulder and the KCGM site occurred as a brief orientation visit on 21 May 2009.

The second visit occurred on 11 June 2009 which included a visit to the KCGM operations and attendance as an observer at the CRG meeting held that day.

## 5.0 INDEPENDENT ENVIRONMENTAL AUDIT FOR PERIOD 29 JANUARY TO 28 JULY 2009

### 5.1 SITE AUDIT

The site audit was undertaken by the independent auditor over two days – 7-8 December 2009.

During this period the auditor:

- Inspected monitoring sites (dust and noise and weather recording)
- Reviewed real-time data available on KCGM's internal computer system
- Held discussions with:
  - Mr Graeme Smith
  - Ms Michelle Holmes
  - Ms Catherine Wharton



Plate 1 - Hewitt Street Dust Monitoring Equipment

### 5.2 AUDIT OF CALIBRATION RECORDS OF RECORDING INSTRUMENTS

The accuracy of recording instruments can only be acceptable if the instruments are regularly calibrated. Calibration records were sighted for the dust monitoring equipment for this audit period. All calibrated equipment passed the calibration tests.

### **5.3 RECORDS AND REPORTS REVIEWED**

The following records and reports applicable to this first audit period were provided and reviewed:

- Fimiston I and II Tailings storage Facilities – Groundwater Monitoring Review – 1<sup>st</sup> Quarter 2009
- Fimiston I and II Tailings storage Facilities – Groundwater Monitoring Review – 2<sup>nd</sup> Quarter 2009
- Fimiston I and II Tailings storage Facilities – Groundwater Monitoring Review – 3<sup>rd</sup> Quarter 2009
- Letter report – Acoustic Report-Haul Truck Six Monthly Exterior Noise Testing – Site Visits 16 February 2009 and 5-6 March 2009 (Herring Storer Acoustics, 16 March 2009)
- Noise and Blast Monitoring Quarterly Report – January-March 2009
- Noise and Blast Monitoring Quarterly Report – April-June 2009
- Noise and Blast Monitoring Quarterly Report – July-September 2009
- 2009 Annual Audit, Seepage and Groundwater Management Plan, Fimiston I and II Tailings Storage Facilities (Peter Clifton & Associates, July 2009).

A large number of site records, both printed and electronic, were sighted and reviewed. For example, daily noise recordings were reviewed for the audit period from the monitoring stations.

### **5.4 COMPLIANCE WITH MINISTERIAL CONDITIONS (Ministerial Statement No. 782)**

To record compliance (or otherwise) with the Ministerial Conditions imposed within Ministerial statement 782, an audit table has been developed in conjunction with officers of the EPA. This audit table has been completed to encompass the period of this audit (29 January to 28 July 2009) and is included with this report as Attachment 1.

The auditor verifies that KCGM is in compliance with all relevant Ministerial Conditions during the audit period.

### **5.5 COMPLIANCE WITH DUST MONITORING**

The dust monitoring records for this audit period were sighted during the audit site visit.

There were no records sighted that resulted in the permitted dust limits being exceeded that could be classified as a non-compliance.

### **5.6 CONSISTENCY WITH NOISE CRITERIA**

The quarterly reports listed above (Section 5.3) and electronic daily records were reviewed.

There were no instances attributed to the mining operation where operations noise, blast noise or vibration levels exceeded the permitted levels.

Noise limits were exceeded and recorded but were attributed to background or specific road transport noises.

## **5.7 COMPLIANCE WITH CONDITIONS OF DEC LICENCE L6240/1988/12**

### **5.7.1 Condition 1 – Groundwater Level Limit**

This condition requires the Licensee (KCGM) to ensure that groundwater levels are deeper than four metres below ground level (mbgl) in all Monitoring Compliance Bores (MCB's).

The records sighted indicated that none of the MCB's recorded groundwater levels at less than four mbgl.

### **5.7.2 Condition 2 – Groundwater Level Target**

This condition requires the Licensee to increase groundwater recovery capacity within nine months of becoming aware that the groundwater levels were less than six mbgl.

During the audit period, MCB's MBF6, MBF8 and MBF9 were recorded with groundwater levels less than six mbgl. These bore records covered the periods 31 December 2008 to 18 March 2009, 3 April to 21 June 2009 and 3 July to 18 September 2009.

During checking with Ms Catherine Wharton, Environmental Officer at KCGM, the auditor was advised that recovery pumping had increased immediately (that is, within the required time of nine months) for these bores in line with processing water requirements.

Management of these bores is a priority for KCGM to have the groundwater levels return to greater than six mbgl.

### **5.7.3 Condition 3 - Groundwater Quality Target**

This condition requires the Licensee to increase groundwater recovery capacity within nine months of being aware that Weak Acid Dissociable Cyanide levels ( $CN_{WAD}$ ) exceeded 0.5 mg/L in Production or MCB's.

The records that were listed above and sighted for the audit period indicated that there had not been any exceedence of the limit of 0.5 mg/L  $CN_{WAD}$ .

### **5.7.4 Condition 4 - Implementation of the Fimiston Operations Seepage and Groundwater Management Plan (FOSGMP)**

The auditor is satisfied that KCGM has implemented and continues to operate under the FOSGMP.

### **5.7.5 Conditions 5 and 6 – Audit of the FOSGMP**

This condition requires an annual audit of the FOSGMP by a qualified professional with a report submitted to the DEC Director by 31 August of each year.

This report was submitted to the DEC on 28 August 2009.

### **5.7.6 Conditions 7, 8 and 9 – Groundwater Monitoring Programme**

This condition requires the Licensee to undertake groundwater monitoring to include measurement of standing water level and collection and analysis of groundwater samples from the bores around the Tailings Storage Facilities (TSF). The analyses of samples vary in elements to be monitored and the frequency of sampling.

The auditor was able to verify from the reports listed above that KCGM is undertaking the monitoring required by these conditions. The auditor is also able to verify that the samples were analysed according to the requirements of Table 2 of the DEC Licence. In addition, the auditor verifies that the samples were collected at the frequency in compliance with Table 2.

The samples were collected and preserved by KCGM in compliance with Condition 8 of the Licence and in compliance with the relevant Australian standards.

The auditor also verifies that the samples were forwarded to and analysed by a NATA registered laboratory in compliance with Condition 9 of the Licence.

### **5.7.7 Conditions 10 and 11 – Vegetation Monitoring Programme**

A vegetation monitoring program is required at specific transects in the vicinity of the Fimiston TSF. A report is required to be submitted with the Annual Report forwarded to the DEC. The Annual Report for 2008 was sighted and included the required report which incorporated the reporting requirements set out in condition 10.

### **5.7.8 Condition 12 – Action Required to Protect Vegetation**

This condition requires the Licensee to further reduce groundwater levels to protect native vegetation if advised by the DEC Director.

The auditor confirms that no advice or directive was received from the DEC requiring any action by KCGM at this point in time.

### **5.7.9 Conditions 13 to 18 – Reporting Conditions**

These conditions set down requirements for reporting to the DEC Director for:

- Condition 13 - Groundwater Monitoring – quarterly
- Conditions 14 to 16 – Exceedence of groundwater limit (<4 mbgl) within 24 hours of becoming aware of the limit being exceeded, the Licensee is to provide a report on the exceedence
- Condition 17 – Submission of an Annual Report to the Director.
- Condition 18 – Annual Audit Compliance Report.

The auditor is able to certify that Conditions 13, 17 and 18 are in compliance. Conditions 14-16 are not relevant at this stage as there has not been any groundwater limit exceeded that may require advice from the DEC Director.

## **6.0 CONCLUSION**

The independent environmental audit for the period 29 January 2009 to 28 July 2009 has been completed.

KCGM has sophisticated systems for reporting noise, dust and groundwater levels and programmes to enable immediate action to be taken if adverse conditions arise.

All relevant records and reports were sighted.

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 DEC operating licence (L6420/1988/12).

## **ATTACHMENT 1**

### **AUDIT TABLE FOR COMPLIANCE WITH MINISTERIAL STATEMENT NO. 782**



# AUDIT TABLE

**KCGM Independent Audit for the Period 29 January to 28 July 2009**  
**PROJECT: FIMISTON GOLD MINE OPERATIONS EXTENSION (STAGE 3)**  
**AND MINE CLOSURE PLANNING**

**Note:**

- Phases that apply in this table = **Pre-Construction, Construction, Operation, Decommissioning, Overall (several phases)**
- This audit table is a summary and timetable of conditions and commitments applying to this project. Refer to the Minister's Statement for full detail/precise wording of individual elements.
- 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.
- Acronyms list: - Minister for the Environment - Min for Env; Chief Executive Officer - CEO; DEC – Dept of Environment and Conservation; Evaluation Division - Part IV; Pollution Prevention Division - Part V; Waste Management Division - WMD; Department of Mines and Petroleum - DMP; Environmental Protection Authority - EPA; Health Department of WA - HDWA; Water and Rivers Commission - WRC; Bush Fires Board – BFB; Department of Planning & Infrastructure – DPI; WA Planning Commission - WAPC.

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Compliance Status	Evidence Sighted
782:G										
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.	Compliance Report (CR)	Min for Env		Overall		N/A	N/A
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.			Min for Env		Overall		In Compliance	Advised in Section 1.4 of the PER
782:M2.2	Proponent Nomination and Contact Details	The proponent shall notify the Chief Executive Officer of the Department of Environment and Conservation (CEO) 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.	Letter notifying the CEO of any change in proponent details.	Letter notifying the CEO of any change in proponent details.	DEC		Overall	Within 30 days of such change	In Compliance	Change in proponent nomination advised to government 8 November 2007
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			Min for Env		Overall	On or before the expiration of five years froth the date of this statement. 29 January 2014	N/A	N/A



## AUDIT TABLE

KCGM Independent Audit for the Period 29 January to 28 July 2009  
**PROJECT: FIMISTON GOLD MINE OPERATIONS EXTENSION (STAGE 3)**  
**AND MINE CLOSURE PLANNING**

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Compliance Status	Evidence Sighted
		after the date of this statement if the proposal to which this statement relates is not substantially commenced.								
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.	Written evidence.	DEC		Overall	On or before the expiration of five years froth the date of this statement. 29 January 2014	N/A	N/A
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.	CR	DEC		Overall	Annually from the date of this statement (29 January)	N/A	N/A
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.	CR	DEC		Overall	Annually from the date of this statement (29 January)	N/A	N/A
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	Submit annual compliance reports, covering the conditions of this audit program.	CR	DEC		Overall	Annually from the date of this statement (29 January)	N/A	N/A



## AUDIT TABLE

KCGM Independent Audit for the Period 29 January to 28 July 2009  
**PROJECT: FIMISTON GOLD MINE OPERATIONS EXTENSION (STAGE 3)  
 AND MINE CLOSURE PLANNING**

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Compliance Status	Evidence Sighted
		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.								
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 environmental compliance reports on the KCGM website <a href="http://www.superpit.com.au">www.superpit.com.au</a>	CR available on website	DEC		Overall	Within 2 weeks of submission to the DEC	N/A	N/A
782:M5.1	Performance	The proponent shall	Performance Review report	Performance Review	Min for Env		Overall	Every five years after	N/A	N/A



# AUDIT TABLE

KCGM Independent Audit for the Period 29 January to 28 July 2009  
**PROJECT: FIMISTON GOLD MINE OPERATIONS EXTENSION (STAGE 3)  
 AND MINE CLOSURE PLANNING**

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Compliance Status	Evidence Sighted
	Review	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	submitted every five years after the start of mining activities addressing the relevant issues.	report				the start of mining activities		



## AUDIT TABLE

KCGM Independent Audit for the Period 29 January to 28 July 2009  
**PROJECT: FIMISTON GOLD MINE OPERATIONS EXTENSION (STAGE 3)  
 AND MINE CLOSURE PLANNING**

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Compliance Status	Evidence Sighted
		five years, including improvements in technology and management processes.								
782:M5.2	Performance Review	The proponent shall make the Performance Review reports required by condition 5-1 publicly available in a manner approved by the CEO.	Place Performance Review reports on the KCGM website www.superpit.com.au	Performance Review reports available on website	DEC		Overall	Within 2 weeks of submission to the DEC	N/A	N/A
782:M5.3	Performance Review	The proponent shall appoint and fund an independent environmental auditor for an initial period of eighteen months to report to the community through the community reference group and to the Minister for the Environment on the environmental performance of the proponent. The auditor shall: 1. check on compliance with the Ministerial Conditions contained in this Statement; 2. report on the results of dust monitoring and actions taken where dust levels have exceeded set criteria and can be attributable to the proponent; 3. report on consistency with the noise criteria set through the Regulation 17 approval process; 4. report on compliance with conditions set in the licence and performance against environmental criteria set by the licence;	KCGM appoint an independent environmental auditor. 6 Monthly environmental performance review reports to CRG for initial 18 month period. Overall 18 month environmental performance review to Minister for Environment.	Environmental performance review reports. CRG Minutes.	Min for Env		Overall	An initial 18 month period  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  Overall review after eighteen months and advise the Minister for the Environment as to whether the independent auditing should continue.	In Compliance	Independent Environmental Auditor appointed 17 June 2009. First audit report to CRG 11 February 2010.



## AUDIT TABLE

KCGM Independent Audit for the Period 29 January to 28 July 2009  
**PROJECT: FIMISTON GOLD MINE OPERATIONS EXTENSION (STAGE 3)**  
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Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Compliance Status	Evidence Sighted
		5. report six monthly to the community reference group any non-compliance of conditions or inconsistency with environment criteria as soon as practicable after identifying that non-compliance or inconsistency; and 6. carry out an overall review after eighteen months and advise the Minister for the Environment as to whether the independent auditing should continue.								
782:M5.4	Performance Review	Subject to the outcomes of the eighteen month review described in item 6 of condition 5-3, the proponent will continue to fund the independent environmental auditor after the initial period of eighteen months for such time as determined by the Minister for the Environment.	If required continue to fund the independent auditor to report 6 monthly to the CRG for such time as determined by the Minister for the Environment.	Environmental performance review reports. CRG Minutes.	Min for Env		Overall	Until determined by the Minister for Environment	In Compliance	N/A
782:M6.1	Dumping of Waste within five hundred metres of Residences	Prior to the dumping of waste within five hundred metres of residences, the proponent shall prepare and implement a management plan for waste dumping to ensure that there is no unacceptable detrimental effect on the residents, to the requirements of the Minister for the Environment on advice of the Department of Environment and	Prepare and implement a management plan for waste dumping.	Waste dumping management plan. CR	Min for Env	DEC	Overall	Prior to the dumping of waste within five hundred metres of residences	N/A	N/A



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KCGM Independent Audit for the Period 29 January to 28 July 2009  
**PROJECT: FIMISTON GOLD MINE OPERATIONS EXTENSION (STAGE 3)**  
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Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Compliance Status	Evidence Sighted	
		Conservation.									
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 City of Kalgoorlie-Boulder.	Consult with environmental health staff of the City of Kalgoorlie-Boulder and residents within 500m of the waste dumping in preparation of waste dumping management plan.	Relevant records of consultation from environmental health staff of the City of Kalgoorlie-Boulder. Registered letters sent to residents and records of feedback received from residents.	Min for Env	Environmental health staff of the City of Kalgoorlie-Boulder	Overall	Prior to the dumping of waste within five hundred metres of residences	N/A	N/A	
782:M7.1	Air Quality	Within three months following the issuing of the notice to the decision-making authorities under section 45(7) of the Environmental Protection Act 1986, the proponent shall implement the Air Quality Management Plan (September 2007) to the requirements of the Minister for the Environment on advice of the Department of Environment and Conservation and the Department of Health.	Implement the Air Quality Management Plan (September 2007) within 3 months of the issuing of the notice to the decision-making authorities to the requirements of the Minister for the Environment on advice of the Department of Environment and Conservation and the Department of Health.	Relevant records of consultation from the Department of Environment and Conservation and the Department of Health.	Min for Env	DEC, DoH	Overall	Within three months following the issuing of the notice	In Compliance	AQMP implemented	
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 Environmental Protection Authority, and shall amend the Plan to the requirements of the Minister for the Environment on advice of the Department of Environment and	Annual review of the Air Quality Management Plan to the requirements of the Minister for the Environment on advice of the Department of Environment and Conservation and the Department of Health.	Relevant records of consultation from the Department of Environment and Conservation and the Department of Health.	Min for Env	DEC, DoH	Overall	Annually from the date published	N/A	N/A	



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KCGM Independent Audit for the Period 29 January to 28 July 2009  
**PROJECT: FIMISTON GOLD MINE OPERATIONS EXTENSION (STAGE 3)  
 AND MINE CLOSURE PLANNING**

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Compliance Status	Evidence Sighted
		Conservation and the Department of Health.								
782:M7.3	Air Quality	The proponent shall implement the amended Air Quality Management Plan required by condition 7-2.	Implement the amended Air Quality Management Plan at twelve monthly intervals or as otherwise required by the Environmental Protection Authority.	CR	Min for Env		Overall		N/A	N/A
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.	Sample email notification of wind dependent shots that were cancelled due to unfavorable winds. Air Quality Management Plan (Blasting Dust Management Plan). CR.	Min for Env		Overall		In Compliance	Blast Cancelled Notices issued: 10/2/09 28/2/09 10/3/09 24/3/09 8/4/09
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.	Monitoring data available on website.	Min for Env		Overall	Within 24 hours of recording data.	In Compliance	Monitoring data available on the web page within 24 hours as required
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.	Installation and commissioning documents for new monitoring stations.	Min for Env		Overall		In Compliance	Both new dust monitoring stations sighted at MEX and MTC
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	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	CR	Min for Env		Overall		In Compliance	Records sighted at KCGM Super Pit Shop, Boulder



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		investigations and actions taken with regard to the complaint.	complaint. All public feedback and complaints are recorded in the PIL system including all investigation and control measures implemented. PIL information is made publicly available through presentations at the Community Reference Group meetings and is available to the public upon request through the KCGM Super Pit Shop.							
782:M8.1	Noise	The proponent shall not conduct any mining activities forming part of the expanded and revised proposal unless and until approval has been granted under regulation 17(7) of the Environmental Protection (Noise) Regulations 1997. Note: In this condition "mining activities" does not include construction work within the meaning of regulation 13 of the Environmental Protection (Noise) Regulations 1997.	Do not conduct any mining activities forming part of the expanded and revised proposal unless and until approval has been granted under regulation 17(7) of the Environmental Protection (Noise) Regulations 1997.	<i>Environmental Protection (Fimiston Gold Mine Noise Emission Approval) 2009.</i>	Min for Env		Overall		In Compliance	Approval published in Government Gazette No. 132 dated 14 July 2009
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.	Relevant records of consultation to the Department of Planning and Infrastructure and the City of Kalgoorlie-Boulder.	Min for Env		Overall		In Compliance	Records of consultation sighted
782:M8.3	Noise	The proponent shall consult with the Western Australian Planning Commission, Department of Planning and	Consult with the Department of Planning and Infrastructure (on behalf of the Western Australian Planning Commission) and the City of	Relevant records of consultation from the Department of Planning and Infrastructure and the City of Kalgoorlie-	Min for Env	Western Australian Planning Commission, Department of	Overall		In Compliance	Records of consultation sighted.



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		Infrastructure, and the City of Kalgoorlie-Boulder in the implementation of Condition 8-2.	Kalgoorlie-Boulder in the implementation of Condition 8-2.	Boulder.		Planning and Infrastructure, and the City of Kalgoorlie-Boulder				
782:M9.1	Airblast Overpressure 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 Fimiston Air Quality Management Plan.	Blast times are provided to the DEC in the Noise and Blast Monitoring Quarterly Reports.	Min for Env		Overall		In Compliance	Blast reports sighted.
782:M9.2	Airblast Overpressure 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.	Reports to CEO of any blasts outside of hours 0700 hours and 1800 hours	DEC		Overall	Within 36 hours following detonation.	In Compliance	No blasts outside the permitted hours recorded or reported.
782:M9.3	Airblast Overpressure and Vibration from Blasting	The proponent shall ensure that all airblast overpressure levels due to blasting comply with Regulation 11 of the Environmental Protection (Noise) Regulations 1997.	Blast in accordance with the Noise and Vibration Monitoring and Management Programme to ensure that all airblast overpressure levels due to blasting comply with Regulation 11 of the Environmental Protection (Noise) Regulations 1997.	Blast data are provided to the DEC in the Noise and Blast Monitoring Quarterly Reports.	Min for Env		Overall		In Compliance	Blast data quarterly reports sighted
782:M9.4	Airblast Overpressure and Vibration from Blasting	The proponent shall make all reasonable effort to avoid blasting on Sundays.	Blast in accordance with the Noise and Vibration Monitoring and Management Programme and make all reasonable effort to avoid blasting on Sundays.	Noise and Vibration Monitoring and Management Programme. Blast dates are provided in the Noise and Blast Monitoring Quarterly Reports.	Min for Env		Overall		In Compliance	Blast data quarterly reports sighted.



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782:M9.5	Airblast Overpressure 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 peak particle velocity shall not exceed 5 millimetres per second for 90% of blasts per year; 2. the peak particle velocity shall not exceed 10 millimetres per second for any blast; and 3. no more than one in ten consecutive blasts shall exceed 5 millimetres per second peak particle velocity.	Blast in accordance with the Noise and Vibration Monitoring and Management Programme to 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 peak particle velocity shall not exceed 5 millimetres per second for 90% of blasts per year; 2. the peak particle velocity shall not exceed 10 millimetres per second for any blast; and 3. no more than one in ten consecutive blasts shall exceed 5 millimetres per second peak particle velocity.	Blast data are provided to the DEC in the Noise and Blast Monitoring Quarterly Reports. Noise and Vibration Monitoring and Management Programme.	Min for Env		Overall		In Compliance	Blast data quarterly reports sighted.
782:M9.6	Airblast Overpressure 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	This Programme shall include: 1. Locations of the air blast overpressure 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	Noise and Vibration Monitoring and Management Programme. Letter of acceptance from the DEC.	Min for Env		Overall	Within six months following the issuing of the notice	In Compliance	Submitted to the DEC 12 August 2009 and revised MP accepted.



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		of the Department of Environment and Conservation.	requirements of schedule 4 of the Environmental Protection (Noise) Regulations 1997 and section J3.2.1 of Australian Standard 2187.2-2006; 3. Calibration by an approved calibration laboratory and field checks of the monitoring equipment in accordance with schedule 4 of the Environmental Protection (Noise) Regulations 1997 and the manufacturer's specifications and section J3.1.2 of Australian Standard 2187.2 - 2006 (or any subsequent amendment) and recording of calibration; 4. Procedures for the recording of blast information in accordance with section J3.4 of Australian Standard 2187.2-2006; 5. Procedures for the reporting of air blast and vibration monitoring to the Department of Environment and Conservation; and 6. Details of a complaints procedure and recording of complaints and action undertaken to resolve complaints.							
782:M9.7	Airblast Overpressure 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 Noise and Vibration Monitoring and Management Programme within six months following the issuing of the notice.	CR.	Min for Env		Overall		In Compliance	MP implemented
782:M9.8	Airblast Overpressure and Vibration from Blasting	The proponent shall review the Revised Noise and Vibration Monitoring and Management Programme as required by the Environmental	Review the Revised Noise and Vibration Monitoring and Management Programme as required by the Environmental Protection Authority, and amend the Programme to the	Letters of request from the EPA and letters of advice from the DEC.	Min for Env	DEC	Overall	As required by the Environmental Protection Authority	N/A	N/A



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		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.	requirements of the Minister for the Environment on advice of the Department of Environment and Conservation.							
782:M9.9	Airblast Overpressure 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.	CR	Min for Env		Overall		N/A	N/A
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.	Letters of consent from owner/occupiers of residential property.	Min for Env		Overall		In Compliance	Active mining not commenced during audit period.
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 know 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-	Liaise with the Heritage Council of Western Australia to minimise environment impacts associated with active mining, on State Registered Places know as the Boulder Railway Station, Subway and Loopline, and Cornwall Hotel.	Relevant records of consultation from the Heritage Council of Western Australia regarding the Boulder Railway Station, Subway and Loopline, and Cornwall Hotel.	Min for Env	Heritage Council of Western Australia	Overall		In Compliance	Active mining not commenced during audit period.



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		<p>bearing substance is disturbed, removed, washed, sifted, crushed, leached, roasted, floated, ' distilled, evaporated, smelted, refined, sintered, pelletised, or' dealt with for the purpose of obtaining any mineral or rock from it for commercial purposes or for subsequent use in industry, whether it has been previously disturbed or not, and includes: 1. developmental and construction work associated with opening up or operating a mine; 2. the removal and disposal of overburden or waste or residues by mechanical or other means and the stacking, depositing, storage, and treatment of any substance considered to contain any mineral; and 3. transport of ore or other mining product that takes place on a road which is not a road as defined in the Road Traffic Act 1974, but for the purpose of this condition does not include: 4. construction of a noise bund which is not part of any active mining activity; 5. rehabilitation of any area; 6. administration buildings or other similar facilities from which noise emissions comply</p>								



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Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Compliance Status	Evidence Sighted
		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.	This Plan shall include: 1. the final form of land forms and voids; 2. the proposed land use for the mine site post-mining operations determined after consultation with relevant stakeholders; 3. removal or, if appropriate, retention of plant and infrastructure in consultation with relevant stakeholders; 4. long-term management of ground and surface water systems affected by mining operations; 5. long-term management of potential acid-generating material; 6. long-term management of pits, including the Superpit and public safety provisions; 7. long-term management of tailings storage facilities; 8. a detailed Rehabilitation and Revegetation program which includes local vegetation, performance criteria and a timetable to be met; 9. identification of contaminated	Rehabilitation and Closure Management Plan.	Min for Env, Min for Mines and Petroleum	EPA	Overall	Prior to 30 April 2010	N/A	N/A



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			areas, including provision of evidence of notification and proposed management measures to relevant statutory authorities; 10. post-closure maintenance and monitoring; 11. re-instatement/retention of historically significant structures; 12. a contingency plan for a care and maintenance phase; and 13. long-term management, of vegetation significant to adjacent ethnographic sites;							
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 Rehabilitation and Closure Management Plan.: 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.	Relevant records of consultation and satisfaction from the Department of Mines and Petroleum, Department of Environment and Conservation, Department of Planning and Infrastructure, Western Australian Planning Commission, City of Kalgoorlie-Boulder, Department of Water and Registrar of Aboriginal Sites on the relevant sections of the Closure Management Plan.	Min for Env	DMP, DEC, DPI, WAPC, City of Kalgoorlie-Boulder, DoW and Registrar of Aboriginal Sites	Overall		N/A	N/A



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782:M11.3	Rehabilitation and Closure Management Plan	The proponent shall review the Rehabilitation and Closure Management Plan required by condition 11-1 every two years, and shall amend the Plan as required in consultation with the agencies referred to in condition 11-2, to the requirements of the Minister for the Environment on advice of the relevant agencies indicated in condition 11-2.	Review the Rehabilitation and Closure Management Plan every two years and amend the Plan as required in consultation with the agencies referred to in condition 11-2, to the requirements of the Minister for the Environment on advice of the relevant agencies indicated in condition 11-2.	Biennial Reviews of the Rehabilitation and Closure Management Plan. Relevant records of consultation from the relevant agencies on the Rehabilitation and Closure Management Plan.	Min for Env	DMP, DEC, DPI, WAPC, City of Kalgoorlie-Boulder, DoW and Registrar of Aboriginal Sites	Overall	Every 2 years from the date published	N/A	N/A
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 Department of Mines and Petroleum 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,	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 closure responsibilities have been fulfilled.	CR	Min for Env	DMP, DEC, DPI, WAPC, City of Kalgoorlie-Boulder, DoW and Registrar of Aboriginal Sites	Overall	Until determined by the Minister for the Environment	N/A	N/A



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		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								
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 Rehabilitation and Closure Management Plan required by condition 11-1 and subsequent revisions required by condition 11-3 publicly available on the KCGM website www.superpit.com.au	Rehabilitation and Closure Management Plan including revisions available on the website.	DEC		Overall	Within 2 weeks of submission to DEC	N/A	N/A
782:M12.1	Aboriginal Heritage	Prior to commencement of proposed works, the proponent shall submit an Aboriginal Cultural Heritage Management Plan that meets the objectives specified in Condition 12-3 as determined by the Minister for Indigenous Affairs.	Submit an Aboriginal Cultural Heritage Management Plan that meets the objectives specified in Condition 12-3 as determined by the Minister for Indigenous Affairs prior to the commencement of proposed works.	Relevant records of consultation and satisfaction from the Department of Indigenous Affairs on the Cultural Heritage Management Plan.	Department of Indigenous Affairs	Department of Indigenous Affairs	Design	Prior to commencement of proposed works	N/A	N/A
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	Relevant records of consultation from the Department of Indigenous Affairs on the Cultural Heritage Management Plan.	Department of Indigenous Affairs	Department of Indigenous Affairs	Design	Prior to commencement of proposed works	N/A	N/A
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.	Cultural Heritage Management Plan.	Department of Indigenous Affairs		Design	Prior to commencement of proposed works	N/A	N/A
782:M12.4	Aboriginal Heritage	The proponent shall implement the Aboriginal	Implement the Aboriginal Cultural Heritage Management	CR.	Department of		Overall		N/A	N/A



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		Cultural Heritage Management Plan.	Plan.		Indigenous Affairs					

Note:

“N/A” within the Compliance status column refers to items that have not yet commenced or are not applicable at this stage.