

Kalgoorlie Consolidated Gold Mines

**Fimiston Gold Mine Operations Extension
(Stage 3) and Mine Closure Planning**

ANNUAL AUDIT COMPLIANCE REPORT

1 January to 31 December 2010



February 2011

TABLE OF CONTENTS

1. INTRODUCTION 1

2. PURPOSE 2

3. PROJECT STATUS..... 3

4. COMPLIANCE..... 4

 4.1 EXTERNAL AUDITS..... 4

 4.2 NON-COMPLIANCES..... 4

 4.3 ENVIRONMENTAL MANAGEMENT PLANS..... 5

 4.4 INDEPENDENT AUDITOR 7

 4.5 COMPLAINTS REGISTER 8

5. ENVIRONMENTAL MONITORING..... 10

 5.1 DUST MONITORING..... 10

 5.2 NOISE MONITORING..... 13

6. STAKEHOLDER CONSULTATION 16

LIST OF TABLES

TABLE 1: PROJECT MILESTONES 3

TABLE 2: FIMISTON OPERATIONS COMPLAINT SUMMARY 2010 9

TABLE 3: DUST MONITORING PROGRAMME 10

TABLE 4: DUST MONITORING EVENTS ABOVE 50UG/M³ FOR THE 24 HOUR AVERAGE 12

TABLE 5: NOISE MONITORING..... 13

TABLE 6: BLAST MONITORING 15

TABLE 7: GOVERNMENT AGENCY STAKEHOLDER CONSULTATION – FIMISTON OPERATION 16

TABLE 8: NON-GOVERNMENT AGENCY STAKEHOLDER CONSULTATION – FIMISTON OPERATION 17

LIST OF FIGURES

FIGURE 1: COMPLAINTS RELATING TO FIMISTON OPERATIONS..... 8

LIST OF APPENDICES

- Appendix A Ministerial Conditions Audit Table:
- Appendix B Environmental Management Plans Audit Tables

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.

In December 2004 KCGM publicly released its “KCGM Concept Plan” which outlined the final Fimiston Open Pit outline and options to extend operations beyond this estimated mine life. At this time KCGM mining approvals only extended until 2012. To continue open pit mining KCGM submitted a Public Environmental Review (PER) for assessment by the Environmental Protection Authority (EPA) to undertake the *Fimiston Gold Mine Operations Extension (Stage 3) And Mine Closure Planning (Project)* – otherwise known as the Golden Pike Cutback. The Golden Pike Cutback is located along the western edge of the Fimiston Open Pit, and will widen and deepen the pit to approximately 600m. The Project also outlined additional storage areas for waste rock and tailings. The development of the Golden Pike orebody is currently expected to extend the life of the Fimiston Operations to 2021.

Following formal assessment of the Project by the EPA, the Minister for Environment issued a “Statement that a Revised Proposal may be Implemented” on 29 January 2009. Compliance against the requirements of Ministerial Statement No. 782 *Fimiston Gold Mine Operations Extension (Stage 3) And Mine Closure Planning* is assessed in this audit report.

Also considered in this audit report is the previous Fimiston Operations Ministerial Statement No. 188 *Fimiston Project Stage II – Mine and Waste Dumps (248)* published on 24 October 1991. Environmental management plans relevant to Ministerial Statements No. 188 and 782 are also considered in this report. These plans are as follows:

- Fimiston Air Quality Management Plan (**FAQMP**);
- Noise and Vibration Monitoring and Management Programme (**NVMMP**);
- Aboriginal Cultural Heritage Management Plan (**ACHMP**); and
- Closure and Rehabilitation Management Plan (**CRMP**).

This annual audit compliance report covers the period 1 January 2010 to 31 December 2010 and is submitted in accordance with Ministerial Statement 782, Condition 4.

Note: this annual audit compliance report overlaps with the previous report which covered the period 29 January 2009 to 28 January 2010. In December 2010 the Office of the Environmental Protection Authority (OEPA) approved KCGM's request to change the reporting period to reflect the calendar year i.e. 1 January to 31 December.

2. PURPOSE

In accordance with Ministerial Statement 782, Condition 4-3, the purpose of this report is to:

- State whether the proponent has complied with each condition and procedure contained in this statement;
- Provide verifiable evidence of compliance with each condition and procedure contained in this statement;
- State whether the proponent has complied with each key action contained in any environmental management plan or program required by this statement;
- Provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by this statement;
- Identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each noncompliance or non-conformance;
- Review the effectiveness of all corrective and preventative actions taken; and
- Describe the state of implementation of the proposal.

3. PROJECT STATUS

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

Table 1: Project Milestones

DATE	MILESTONE	ORGANISATION
2009		
January 2009	Ministerial Statement 782 Published.	Minister for Environment
June 2009	Independent Environmental Auditor Appointed.	KCGM
July 2009	Noise Regulation 17 Variation Approved.	Minister for Environment
December 2009	Aboriginal Cultural Heritage Plan Submitted.	DIA
2010		
January 2010	Mining Proposal Approved.	DMP
February 2010	Aboriginal Cultural Heritage Plan Approved.	DIA
March 2010	Golden Pike Cutback Commenced.	KCGM
March 2010	Noise Regulation 17 Variation Appeal Dismissed.	Minister for Environment
April 2010	KCGM Closure and Reclamation Management Plan Submitted.	KCGM
July 2010	18 Month Independent Auditing Period completed. Report to Minister for Environment being prepared.	Minister for Environment
October 2010	Fimiston Noise and Vibration Monitoring and Management Programme Submitted.	KCGM
December 2010	Noise and Vibration Monitoring and Management Programme Approved.	OEPA and DEC
December 2010	Annual Audit Compliance Report Reporting Date Change Approved.	OEPA
December 2010	Fimiston Air Quality Management Plan (2010 Review) Submitted.	KCGM

4. COMPLIANCE

During the reporting period, one non-compliance was identified regarding Sunday blasting (outlined below) and action was immediately taken to address this issue. KCGM complied with all other conditions, procedures and commitments in Ministerial Statements 188 and 782 and associated Environmental Management Plans (EMPs).

Appendix A of this report is the KCGM Audit Table (based on the OEPA format) which assesses compliance against Ministerial Statements for the Fimiston Operations:

- Statement No. 188 Fimiston Project Stage II – Mine and Waste Dumps (248) published 24 October 1991; and
- Statement No. 782 Fimiston Gold Mine Operations Extension (Stage 3) and Mine Closure Planning published 29 January 2009.

Appendix B of this report is the KCGM Environmental Management Plan Audit Table which assesses compliance against Environmental Management Plans relevant to Ministerial Statements No. 188 and 782 for the Fimiston Operations:

- Fimiston Air Quality Management Plan (**FAQMP**);
- Noise and Vibration Monitoring and Management Programme (**NVMMP**);
- Aboriginal Cultural Heritage Management Plan (**ACHMP**); and
- Closure and Reclamation Management Plan (**CRMP**).

4.1 External Audits

During the audit period the OEPA conducted a Desktop Audit to verify KCGM's compliance with Ministerial Statements No. 188 and 782 which included a site Verification Inspection on 2 March 2010. The Annual Audit Compliance Report for 2009 was received subsequent to the verification inspection and was also taken into consideration.

The audit findings identified one non-compliance, as discussed below.

4.2 Non-Compliances

In May 2010, KCGM received a formal notification from the OEPA that a non-compliance with Condition 9-4 of Statement 782 which had occurred during the previous reporting period, 29 January 2009 to 28 January 2010.

Condition 9-4 states: The proponent shall make all reasonable effort to avoid blasting on Sundays.

The 2009 Annual Audit Compliance Report stated that blasting occurred on 26 Sundays during the reporting period 29 January 2009 to 28 January 2010, no reasons were provided in the report as to why blasting occurred on Sundays. However KCGM noted that no complaints were received in relation to the Sunday blasts.

On becoming aware that the OEPA considered that KCGM was non-compliant with Condition 9-4, KCGM implemented the following measures:

1. Sunday blasts are not included in the fortnightly production schedules;
2. The requirement 'to make all reasonable effort to avoid blasting on Sundays' has been included in KCGM's Legal Obligation Register with monthly signoffs by the Senior Drill and Blast Engineer;
3. Any Sunday blasts fired during the reporting period will be reported in the DEC Noise and Blast Monitoring Quarterly Reports with efforts taken to avoid each Sunday blast documented; and
4. The Provisional Noise and Vibration Monitoring and Management Programme (April 2010 Revision) addresses the requirement to make all reasonable effort to avoid blasting on Sundays.

This is not to say that KCGM did not have any measures previously in place or was aware that it needed to implement more stringent measures. By letter dated 24 January 2001, the Department of Environment and Conservation (DEC) requested a Compliance Report to demonstrate compliance with the requirements of Condition 4 of Ministerial Statement 188. Pursuant to that condition, the Minister had set Noise Level Standard E4, which was substantially identical to Statement 782 Condition 9-4. KCGM's compliance Report of 16 February 2001 specified that it actioned the requirement in Noise Level Standard E4 (blasting on Sundays) as follows:

- From time to time production schedules or safety requirements and weather conditions which may have delayed firing of shots on previous days dictate that some blasting must occur on some Sundays.

The DEC did not respond to KCGM or otherwise advise that it was dissatisfied with the manner in which KCGM was managing the requirement, and as such additional measures were not actioned. KCGM's records show that the OEPA's Audit Report and Notification in May 2010 is the first time that compliance with blasting on Sundays has been an issue.

During 2010, with the exception of seven blasts which were fired on a Sunday in January and February, no further Sunday blasts occurred for the remainder of the reporting period.

4.3 Environmental Management Plans

The Fimiston Air Quality Management Plan (FAQMP) was first implemented in May 2009. In accordance with 782:M7.2 KCGM undertook an annual review of the FAQMP in December 2010, incorporating feedback received from the OEPA, DEC and the Department of Health (DoH). The December 2010 FAQMP is available on the KCGM website and can be found on the following link:

<http://www.superpit.com.au/AboutKCGM/Publications/Environment/tabid/100/Default.aspx>

The Noise and Vibration Monitoring and Management Programme (NVMMP) was revised in accordance with 782:M9.6 and submitted to the DEC in August 2009. However approval of the NVMMP was pending an appeal determination against the *Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2009*. An

Appeals Committee was appointed and their report was subsequently reviewed by the Minister. The appeal was dismissed in March 2010, however two recommendations made by the committee required implementation and inclusion into the NVMMP.

KCGM submitted a revised NVMMP to the OEPA in October 2010 which was subsequently approved by the OEPA on 6 December 2010. The October 2010 NVMMP is available on the KCGM website and can be found on the following link:

<http://www.superpit.com.au/AboutKCGM/Publications/Environment/tabid/100/Default.aspx>

The Aboriginal Cultural Heritage Management Plan (ACHMP) was developed in consultation with the Department of Indigenous Affairs (DIA) and was approved by the DIA on 8 February 2010. The December 2009 ACHMP is available on the KCGM website (KCGM Closure Plan Appendix 8) and can be found on the following link:

<http://www.superpit.com.au/AboutKCGM/Publications/ProjectsandPlans/tabid/104/Default.aspx>

The Closure and Reclamation Management Plan (CRMP) was submitted on 14 April 2010. KCGM is currently liaising with the OEPA, DEC, Department of Mines and Petroleum (DMP), DIA and the City of Kalgoorlie-Boulder regarding the development and implementation of this plan. The April 2010 CRMP is available on the KCGM website and can be found on the following link:

<http://www.superpit.com.au/AboutKCGM/Publications/ProjectsandPlans/tabid/104/Default.aspx>

4.4 Independent Auditor

An independent environmental auditor has been appointed in accordance with Statement 782: Condition 5.3. On 17 June 2009 KCGM advised the Minister for Environment that Keith Lindbeck of Keith Lindbeck and Associates was appointed to provide six monthly compliance reports to the KCGM Community Reference Group (CRG). Keith Lindbeck undertook two audits and three CRG presentations during the reporting period.

The audit and CRG presentation dates were:

- 29 January to 28 July 2009, CRG presentation on 11 February 2010;
- 29 July 2009 to 28 January 2010, CRG presentation on 13 May 2010; and
- 29 January to 28 July 2010, CRG presentation on 9 December 2010.

The Independent 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 DEC operating licence (L6420/1988/12).”

Statement 782: Condition 5-3 (6) notes that the Independent Auditor was only required for an initial period of eighteen months at which time the auditor shall carry out an overall review of the eighteen month period and advise the Minister for Environment as to whether the independent auditing should continue. This overall review has been completed and the report is currently being finalised.

The January to July 2009 Independent Report was provided to the DEC, DMP and OEPA as part of the 2009 KCGM Annual Environment Report (AER) – Appendix 9.3c on 30 March 2010. Subsequent Independent Reports will be contained in the 2010 KCGM AER to be submitted by 31 March 2011.

4.5 Complaints Register

During the reporting period (2010) there was a total of 17 complaints received relating to the Fimiston Operation. Of these complaints, 10 related to blasting, 1 to noise, and 6 to dust (Figure 1).

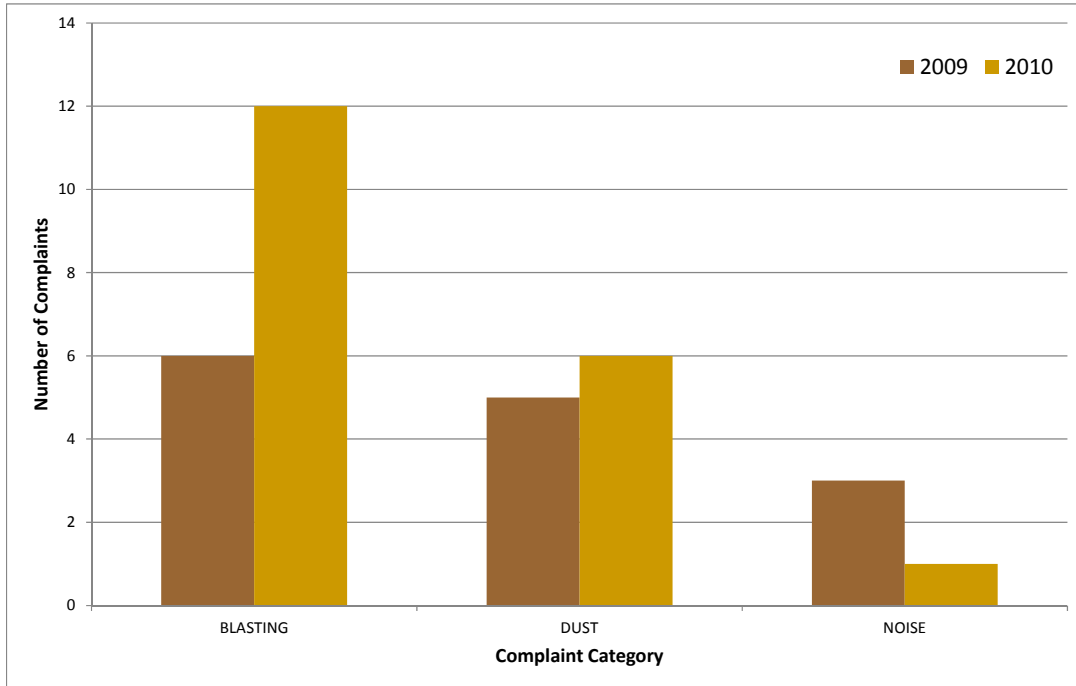


Figure 1: Complaints Relating to Fimiston Operations

A summary of each complaint received regarding blasting, dust and noise from the Fimiston Operations in 2010 is provided in

Table 2.

Table 2: Fimiston Operations Complaint Summary 2010

DATE	COMPLAINT CATEGORY	SUMMARY OF COMPLAINT
19/1/2010	Dust	General dust complaint. Hot dry conditions. Monitoring results were within NEPM standards.
5/2/2010	Blasting	House movement caused by blasting. Monitoring results were within compliance standards.
8/2/2010	Blasting	Claimed damage to property (cracks in walls) caused by blasting. Monitoring results were within compliance standards.
17/2/2010	Dust	General dust complaint. Hot dry conditions. Monitoring results were within NEPM standards.
27/4/2010	Blasting	House movement caused by blasting. Monitoring results were within compliance standards.
30/4/2010	Blasting	Concern regarding KCGM continuing to blast following Boulder Earthquake. Complainant was concerned the blasting would cause further property damage.
20/5/2010	Blasting	House movement caused by blasting. Monitoring results were within compliance standards.
11/6/2010	Dust	Dust generated from construction of the Environmental Noise Bund. Monitoring results were within reporting standards.
3/8/2010	Dust	Dust generated from construction of the Environmental Noise Bund. Monitoring results were within reporting standards.
5/8/2010	Dust	Dust generated from construction of the Environmental Noise Bund. Monitoring results were within reporting standards.
9/8/2010	Blasting	House movement caused by blasting. Monitoring results were within reporting standards.
12/8/2010	Noise	Complainant woken at 0100 hours by noise due to the construction of the environmental noise bund. However noise bund construction occurs during day time only. Noise source not identified.
13/8/2010	Dust	General dust complaint. Monitoring results were within reporting standards.
20/9/2010	Blasting	House movement caused by blasting. Monitoring results were within compliance standards.
17/11/2010	Blasting	DEC had received complaints regarding recent blasting activity causing house movement. Monitoring results were within compliance standards.
18/11/2010	Blasting	Claimed damage to property (cracks in walls) caused by blasting. Monitoring results were within compliance standards.
19/12/2010	Blasting	Claimed damage to property (cornices) caused by blasting. Monitoring results were within compliance standards.

5. ENVIRONMENTAL MONITORING

Environmental monitoring programmes relating to Ministerial Statements 782 and 188 comprise of the following:

- PM₁₀ Dust Monitoring as detailed in the FAQMP.
- Noise Monitoring, as detailed in the NVMMP which includes:
 - Continuous Noise Monitoring;
 - Compliance Noise Monitoring; and
 - Blast Monitoring (vibration and over pressure).

Compliance with each environmental monitoring programme is discussed below.

5.1 Dust Monitoring

KCGM conducts dust monitoring as specified within the FAQMP. The December 2010 FAQMP is available on the KCGM website and can be found on the following link:

<http://www.superpit.com.au/AboutKCGM/Publications/Environment/tabid/100/Default.aspx>

Requirements of KCGM's Dust Monitoring Programme are detailed in Table 3.

Table 3: Dust Monitoring Programme

SITE ID	SAMPLING FREQUENCY	PARAMETER	APPLICABLE STANDARDS OR LIMITS
HEW CLY HOP	Hourly averages calculated from 5 minute samples	PM ₁₀	50ug/m ³ for 24 hour average
BSY MEX MTC HGC ¹	5-minute averages		

KCGM's Dust Monitoring and Management Programme (DMMP) 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 DMMP was developed in 1993 to meet the requirements of Condition 5 of Ministerial Statement 188.

The DMMP was subsequently revised in 2001 to reflect blasting dust monitoring and management changes and again 2004 to meet requirements of the Southern Landform Extension Project Section 45C Approval.

¹ HGC is a monitoring control site

The FAQMP was initially developed by KCGM in 2007 as part of the Fimiston Gold Mine Operations Extension (Stage 3) and Mine Closure Planning Public Environmental Review to integrate a number of management plans that cover various air quality aspects of the Fimiston Operations including the DMMP.

In mid 2005 two Beta Attenuation Monitors (BAMs) were installed at the Boulder Shire Yard (BSY) and Hannans Golf Club (HGC) to measure real time particulate matter (PM_{10}) from potential dust from the Fimiston Operations and background dust levels. The BAM dust samplers operate 24 hours a day and are configured to provide 5-minute average PM_{10} concentrations.

In 2007 three Environmental Beta Attenuation Monitors (E-BAMs) were installed at Hewitt Street (HEW), Clancy Street (CLY) and Hopkins Street (HOP), to replace the existing hi-volume samplers which were subsequently decommissioned in 2009. The E-BAM dust samplers operate 24 hours a day and are configured to provide 1-hour average PM_{10} concentrations calculated from 5-minute sample intervals.

In 2009 an additional two BAMs were installed at Mt Charlotte (MTC) and the Metals Exploration Yard (MEX). The installation and operation of these dust monitoring sites satisfies Statement 782: Condition 7-6 which required KCGM to install two additional dust monitoring stations, to be co-located with the existing wind speed and wind direction monitoring stations.

There were no changes made to the Dust Monitoring Programme during the reporting period.

All measurements above the National Environmental Protection Measure (NEMP) PM_{10} guideline of $50\mu\text{g}/\text{m}^3$ for the 24 hour average were reported to the OEPA, DEC and DoH during the reporting period in accordance with the FAQMP. Further information regarding these reports is provided in Table 4.

The NEPM PM_{10} guideline also specifies an ambient objective of a maximum of five days per annum above $50\mu\text{g}/\text{m}^3$ for the 24 hour average per monitoring site. During the reporting period three sites (BSY, HEW and CLY) recorded more than five days above $50\mu\text{g}/\text{m}^3$ for the 24 hour average.

A summary of dust monitoring results are contained within the KCGM Annual Environmental Report (AER) submitted to regulatory agencies. Dust monitoring and management was outlined in Section 5.3.2 of the 2009 KCGM AER provided to the DEC, DMP and OEPA on 30 March 2010. Results in

Table 4 will be in the 2010 KCGM AER to be submitted by 31 March 2011.

Table 4: Dust Monitoring Events above 50 $\mu\text{g}/\text{m}^3$ for the 24 hour average

DATE	SITE ID	24 hr avg ($\mu\text{g}/\text{m}^3$)	CONTRIBUTION FROM KCGM WIND ARC (%)	LIKELY SOURCE
06-01-10	BSY Control (HGC)	60.5 19.7	87	Hot dry conditions and strong wind speeds. KCGM ceased work at the secondary crusher until a water cart arrived to reduce any potential dust sources from the KCGM Fimiston Operations.
20-01-10	HEW Control (HGC)	113.3 45.5	23	Dust storm.
30-01-10	BSY HEW Control (HGC)	105.9 53.1 32.4	70 86	Dust storm.
02-02-10	HEW MTC Control (HGC)	60.9 59.1 39.1	78 19	Dust storm.
09-02-10	Control (HGC)	78.1		Thunderstorm.
13-05-10	BSY CLY HEW MEX MTC Control (HGC)	68.2 61.5 63.9 50.2 50.0 84.4	24 17 4 4 0	Dust storm.
26-06-10	CLY Control (HGC)	51.0 42.7	19	Smoke from wood fired heaters.
19-08-10	HEW Control (HGC)	61.8 17.6	26	Smoke from wood fired heaters.
20-08-10	BSY Control (HGC)	51.7 19.3	57	Smoke from wood fired heaters.
19-10-10	BSY Control (HGC)	53.9 13.4	95.8	Wind erosion from landforms.
20-10-10	BSY CLY HOP Control (HGC)	67.0 82.8 57.7 13.4	40 21 35	Hot dry conditions and strong wind speeds. Not related to KCGM Fimiston Operations.
27-10-10	BSY CLY Control (HGC)	80.2 57.1 25.2	69 60	Thunderstorm.
21-11-10	BSY HEW CLY HOP Control (HGC)	79.0 54.2 95.6 123.2 35.2	40 51 62 66	Thunderstorm.
13-12-10	BSY CLY Control (HGC)	62.0 58.2 19.6	51 31	Hot dry conditions and strong wind speeds. KCGM ceased surface operations at Golden Pike and on the Environmental Noise Bund to reduce any potential dust sources from the KCGM Fimiston Operations.

5.2 Noise Monitoring

KCGM conducts environmental noise monitoring as specified within the NVMMP, and includes both continuous and compliance noise monitoring. The October 2010 NVMMP is available on the KCGM website and can be found on the following link:

<http://www.superpit.com.au/AboutKCGM/Publications/Environment/tabid/100/Default.aspx>

Requirements of KCGM's noise monitoring programmes are detailed in Table 5.

Table 5: Noise Monitoring

SITE ID	SAMPLING FREQUENCY	PARAMETER	APPLICABLE STANDARDS OR LIMITS																					
KTS BPS	One hour averages calculated from continuous monitoring	L _A 10 L _A 50 L _A max	Nil																					
BSW BPS KTS OUT YST	Minimum 15 minute sample measured each quarter during night time period	L _A 10 L _A max	<table border="1"> <thead> <tr> <th colspan="3">Night Time Period</th> </tr> <tr> <th>Location</th> <th>L_A10</th> <th>LA max</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>	Night Time Period			Location	L _A 10	LA max	BSW	45 + WIF	55 + WIF	BPS	45 + WIF	52 + WIF	KTS	45 + WIF	52 + WIF	OUT	49 + WIF	60 + WIF	YST	49 + WIF	60 + WIF
Night Time Period																								
Location	L _A 10	LA max																						
BSW	45 + WIF	55 + WIF																						
BPS	45 + WIF	52 + WIF																						
KTS	45 + WIF	52 + WIF																						
OUT	49 + WIF	60 + WIF																						
YST	49 + WIF	60 + WIF																						

KCGM's 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 Condition 5 of Ministerial Statement 188. The NVMMP was subsequently revised in 2004 to meet requirements of the Southern Landform Extension Project Section 45C Approval.

The NVMMP was revised in April 2009 and submitted as "Provisional" to meet the requirements of Clause 8 of the Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2009 (NR17V) and Statement 782 : Condition 9-6, as part of the Fimiston Gold Mine Operations Extension (Stage 3) and Mine Closure Planning Public Environmental Review.

The Provisional NVMMP was revised in April 2010 to include recommendations of the Appeals Committee regarding an appeal against the *Environmental Protection (Fimiston Fold Mine Noise Emissions) Approval 2009*; and feedback received from the OEPA and the DEC regarding the Provisional NVMMP.

The current version of the NVMMP (October 2010) was submitted to the OEPA and the DEC on 19 October 2010. The NVMMP was subsequently approved by the OEPA on 6 December 2010.

There were no changes made to the Continuous Noise Monitoring Programme or the Compliance Noise Monitoring Programme during the reporting 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) including the assessment of noise triggers as part of the NVMMP.

Results of continuous noise monitoring are provided to the OEPA in the Noise and Blast Monitoring Quarterly Reports as required under the NVMMP. These reports were submitted to the OEPA Proposal Implementation Monitoring Branch on 27 April 2010, 16 July 2010, 27 October 2010 and 10 February 2011..

COMPLIANCE NOISE MONITORING

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

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

- 21 February to 25 February 2010;
- 30 May 2010 to 4 June 2010;
- 22 August to 27 August 2010; and
- 7 November to 12 November 2010.

During the reporting period all the measured levels at all locations complied with the approved noise levels for the evening/night time period. Results of Compliance Noise Monitoring are included in the Noise and Blast Monitoring Quarterly Reports submitted to the OEPA as required under the NVMMP. These reports were submitted to the OEPA Proposal Implementation Monitoring Branch on 27 April 2010, 16 July 2010, 27 October 2010 and 10 February 2011.

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 air blast overpressure 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 0.200 mm/sec. If this level is exceeded then a result is recorded for the blast event.

In accordance with Statement 782: Condition 9-3 open pit blasting operations are carried out with the intention that blast vibration and overpressure complies with Regulation 11 of the Environmental Protection (Noise) Regulation 1997, when measured at a blast monitoring site. Requirements of KCGM's blast monitoring programme are detailed in Table 6.

Table 6: Blast Monitoring

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										
		Overpressure (dB)	<table border="1"> <thead> <tr> <th>Day and Time</th> <th>Blast Frequency</th> </tr> </thead> <tbody> <tr> <td>0700 to 1800 hours</td> <td>No blast greater than 125 dB $L_{Linear\ peak}$</td> </tr> <tr> <td>Monday to Saturday</td> <td>9 in any 10 consecutive blasts less than 120 dB $L_{Linear\ peak}$</td> </tr> <tr> <td>0700 and 1800 hours</td> <td>No blast greater than 120 dB $L_{Linear\ peak}$</td> </tr> <tr> <td>Sunday or public holiday</td> <td>9 in any 10 consecutive blasts less than 115 dB $L_{Linear\ peak}$</td> </tr> <tr> <td>1800 to 0700 hours² Any Day</td> <td>No blast greater than 90 dB $L_{Linear\ peak}$</td> </tr> </tbody> </table>	Day and Time	Blast Frequency	0700 to 1800 hours	No blast greater than 125 dB $L_{Linear\ peak}$	Monday to Saturday	9 in any 10 consecutive blasts less than 120 dB $L_{Linear\ peak}$	0700 and 1800 hours	No blast greater than 120 dB $L_{Linear\ peak}$	Sunday or public holiday	9 in any 10 consecutive blasts less than 115 dB $L_{Linear\ peak}$
Day and Time	Blast Frequency												
0700 to 1800 hours	No blast greater than 125 dB $L_{Linear\ peak}$												
Monday to Saturday	9 in any 10 consecutive blasts less than 120 dB $L_{Linear\ peak}$												
0700 and 1800 hours	No blast greater than 120 dB $L_{Linear\ peak}$												
Sunday or public holiday	9 in any 10 consecutive blasts less than 115 dB $L_{Linear\ peak}$												
1800 to 0700 hours ² Any Day	No blast greater than 90 dB $L_{Linear\ peak}$												

Blast monitoring results (overpressure and vibration) are submitted to the OEPA in the Noise and Blast Monitoring Quarterly Reports as required under the NVMMMP. These reports were submitted to the OEPA Proposal Implementation Monitoring Branch on 27 April 2010, 16 July 2010, 27 October 2010 and 10 February 2011.

Blast overpressure and vibration results recorded at all blast monitoring sites during the reporting period were well below the regulatory standards.

² 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.

6. STAKEHOLDER CONSULTATION

The key stakeholders consulted during the reporting period are detailed below in Table 7 and Table 8.

Table 7: Government Agency Stakeholder Consultation – Fimiston Operation

GOVERNMENT AGENCIES	CONSULTATION
City of Kalgoorlie-Boulder (CKB)	<ul style="list-style-type: none"> • As required for noise modelling • Biannual Review of Rehabilitation and Closure Management Plan • Community Noise Amelioration Programme Meetings
Department of Climate Change (DoCC)	<ul style="list-style-type: none"> • Annual National Greenhouse and Energy Report
Department of Environment and Conservation (DEC)	<ul style="list-style-type: none"> • Annual review of Fimiston Air Quality Management Plan • Notification reports for events above NEPM (PM₁₀) • Annual Environment Report • Biannual Review of Rehabilitation and Closure Management Plan • Noise and Vibration Management Programme Review • Noise Regulation 17 Variation Appeal Review • Community Noise Amelioration Programme Meetings
Department of Health (DoH)	<ul style="list-style-type: none"> • Annual review of Fimiston Air Quality Management Plan • Notification reports for PM₁₀ dust events above NEPM
Department of Indigenous Affairs (DIA)	<ul style="list-style-type: none"> • As required for Aboriginal Cultural Heritage Management Plan and protection of any heritage sites/skeletal remains • Biannual Review of Rehabilitation and Closure Management Plan
Department of Main Roads Western Australia (DMRWA)	<ul style="list-style-type: none"> • Community Noise Amelioration Programme Meetings
Department of Mines and Petroleum (DMP)	<ul style="list-style-type: none"> • Annual Environment Report • Closure and Rehabilitation Planning • Biannual Review of Rehabilitation and Closure Management Plan
Department of Planning and Infrastructure (DPI) (on behalf of Western Australian Planning Commission (WAPC))	<ul style="list-style-type: none"> • As required for noise modelling • Biannual Review of Rehabilitation and Closure Management Plan
Department of Water (DoW)	<ul style="list-style-type: none"> • Biannual Review of Rehabilitation and Closure Management Plan

GOVERNMENT AGENCIES	CONSULTATION
Heritage Council of Western Australia (HCWA)	<ul style="list-style-type: none"> As required for protection of heritage sites Consultation regarding the Boulder Railway Station, Subway and Loopline, and Cornwall Hotel Copy of KCGM's Noise and Vibration Management Programme
Office of the Environmental Protection Authority (OEPA)	<ul style="list-style-type: none"> Desktop Audit and Verification Site Inspection Annual audit compliance report Annual review of Fimiston Air Quality Management Plan Noise and Vibration Management Programme Review Notification reports for PM₁₀ dust events above NEPM Annual Environment Report Noise and Blast Quarterly Monitoring Reports
Office of the Appeals Convenor (OAC)	<ul style="list-style-type: none"> Noise Regulation 17 Variation Appeal As required for any appeals

Table 8: Non-Government Agency Stakeholder Consultation – Fimiston Operation

NON - GOVERNMENT AGENCIES	CONSULTATION
Central Desert Shire Council (CDSC)	<ul style="list-style-type: none"> Copy of KCGM's Aboriginal Cultural Heritage Management Plan
Community Reference Group (CRG)	<ul style="list-style-type: none"> Monthly Community Reference Group meetings Six monthly Independent Auditor report presentations
Goldfields Land and Sea Council (GLSC)	<ul style="list-style-type: none"> Copy of KCGM's Aboriginal Cultural Heritage Management Plan
Kalgoorlie Boulder Urban Landcare Group (KBULG)	<ul style="list-style-type: none"> Biennial Review of Rehabilitation and Closure Management Plan
Keith Lindbeck and Associates	<ul style="list-style-type: none"> Independent auditing against Fimiston licence and Ministerial Conditions and reporting to CRG/Minister
Widji Native Title Claimant Group	<ul style="list-style-type: none"> Native Title negotiations

APPENDIX A: MINISTERIAL CONDITIONS AUDIT TABLE

FIMISTON GOLD MINE – PHASE II MINE AND WASTE DUMPS (STATEMENT 188)

and

FIMISTON GOLD MINE OPERATIONS

EXTENSION (STAGE 3) AND MINE CLOSURE PLANNING (STATEMENT 782)



KCGM Audit Table

Ministerial Statements: 188 and 782

Period: 1 January 2010 to 31 December 2010

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.
- Acronyms list:- Minister for the Environment - Min for Env; Chief Executive Officer - CEO; Department of Environment and Conservation – DEC; ; Department of Mines and Petroleum - DMP; Environmental Protection Authority - EPA; Health Department of WA - DoH; Water and Rivers Commission - WRC; Heritage Council Western Australia - HCWA; Golden Mile Mining Development Planning Committee – GMMDPC (no longer exist); Goldfields Dust Abatement Committee – GDAC (no longer exist); Water Authority of Western Australia – WAWA; City of Kalgoorlie-Boulder – CKB; Community Reference Group – CRG .

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
188:M1	Proponent Commitments	In implementing the proposal, the proponent shall fulfill 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.	Fulfill the environmental commitments for this project, Fimiston Project Stage II, Mine and Waste Dumps (248)	Annual Audit Compliance Report - 1 January 2010 to 31 December 2010 (this report)	Min of Env		Overall	Ongoing	Satisfactory during this period
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.	Min of Env		Overall	Ongoing	No longer relevant. Superseded by 782:M1.1
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.	Min of Env		Overall	Ongoing	Not required at this stage
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 was outlined in Section 5.6 of the 2009 KCGM AER provided to the DEC, DMP and OEPA on 30 March 2010. Updates will be in the 2010 KCGM AER to be submitted by 31 March 2011.	DMP	GMMDPC (no longer exist)	Operation	Annually	Satisfactory during this period
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.	Min of Env	CKB, Min for Mines	Operation	Up until 31 December 1991	No longer relevant. Superseded by 782:M8
188:M4.2	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.	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 <i>Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2009</i>	Min of Env	Min of Env	Operation	From January 1992 until Noise Regulation 17 Variation was approved 14 July 2009.	No longer relevant. Superseded by 782:M8
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	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	No longer relevant. Superseded by 782:M9.6
188:M5.2	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	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	No longer relevant. Superseded by 782:M9.7

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
188:M5.3	Noise, Vibration and Dust	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 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	No longer relevant. Superseded by 782:M7
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	No longer relevant. Superseded by 782:M7
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.	Min of Env	EPA	Operation	Prior to dumping waste within 500m of residences	No longer relevant. Superseded by 782:M6
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 of Env		Operation	Ongoing	No longer relevant. Superseded by 782:M6
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		Completed
188:M7.2	Borefields and Pipeline		Implement improvements	Saline water use and management was outlined in Section 5.4.5 and saline water spills and corrective actions in Section 7.1 of the 2009 KCGM AER provided to the DEC, DMP and OEPA on 30 March 2010. Updates will be in the 2010 KCGM AER to be submitted by 31 March 2011.	EPA		Operation	Ongoing	Satisfactory during this period
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 CRMP submitted on 14 April 2010. KCGM is liaising with OEPA, DEC, DMP, DIA and CKB regarding this plan. The April 2010 CRMP has been available on the KCGM website and can be found on the following link: http://www.superpit.com.au/AboutKCGM/Publications/ProjectsandPlans/tabid/104/Default.aspx	EPA		Pre-decommissioning	At least 6 months prior to decommissioning	Not required at this stage
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	Min of Env		Overall	Ongoing	Not required at this stage
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).	Min of Env		Pre-operation	Before 24 October 1996	Completed
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	No longer relevant. Superseded by 188:M3, 782:M9.6, 782:M9.7, 782:M7, 782:M6, and 188:M7
188:P1.2	Environmental Management		Manage potential environmental impacts		EPA, DMP		Operation	Before December 1992	

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
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	No longer relevant. Superseded by 188:M3
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 outlined in Section 5.2.7 of the 2009 KCGM AER provided to the DEC, DMP and OEPA on 30 March 2010. Updates will be in the 2010 KCGM AER to be submitted by 31 March 2011.	DMP		Operation	Annually	Satisfactory during this period
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 DEC on 9 May 2002.	EPA		Operation	Ongoing	Completed
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 outlined in Section 5.4.7 of the 2009 KCGM AER provided to the DEC, DMP and OEPA on 30 March 2010. Updates will be in the 2010 KCGM AER to be submitted by 31 March 2011.	EPA		Operation	Annually	Satisfactory during this period
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	No longer relevant. Superseded by 782:M7.
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	No longer relevant. Superseded by 782:M9.9
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	No longer relevant. Superseded by 188:M3
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.	Annual Audit Compliance Report - 1 January 2010 to 31 December 2010 (this report)	Min for Env		Overall	Ongoing	Satisfactory during this period
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.	Min for Env		Overall	Ongoing	Satisfactory during this period
782:M2.2	Proponent Nomination and Contact Details	The proponent shall notify the CEO of the DEC 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	DEC		Overall	Within 30 days of such change	Not required at this stage
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).	Min for Env		Overall	On or before the expiration of five years from the date of this statement. 29 January 2014	Completed
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 .	DEC		Overall	On or before the expiration of five years from the date of this statement. 29 January 2014	Completed

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
782:M4.1	Compliance Reporting	The proponent shall submit to the CEO environmental compliance reports annually reporting on the previous twelve-month period, unless required by the CEO to report more frequently.	Submit annual compliance reports, covering the conditions of this audit program, unless otherwise required by the CEO to report more frequently.	Annual Audit Compliance Report (AACR) - 1 January 2010 to 31 December 2010 (this report) Approval to change 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.	DEC		Overall	Annually on or before 28 February	Satisfactory during this period
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.	AACR - 1 January 2010 to 31 December 2010 (this report) Report format was agreed to by the DEC prior to release and follows the format in "Compliance Monitoring and Reporting – Guidelines for Proponents, Aug 2007".	DEC		Overall	Annually on or before 28 February	Satisfactory during this period
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.	AACR - 1 January 2010 to 31 December 2010 (this report)	DEC		Overall	Annually on or before 28 February	Satisfactory during this period
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 www.superpit.com.au	The 2009 AACR is available on the KCGM website and can be found on the following link: http://www.superpit.com.au/AboutKCGM/Publications/Environment/tabid/100/Default.aspx . This AACR will be made available on the following submission.	DEC		Overall	Within 4 weeks of submission to the DEC	Satisfactory during this period
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.	Not required at this stage.	Min for Env		Overall	Every five years after the start of mining activities, first due in 31 March 2015	Not required at this stage
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	Not required at this stage.	DEC		Overall	Within 2 weeks of submission to the DEC	Not required at this stage

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
782:M5.3	Performance Review	The proponent shall appoint and fund an independent environmental auditor for an initial period of eighteen months to report to the community through the community reference group and to the 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. Minutes from CRG Meetings are available on the KCGM website and can be found on the following link: http://www.superpit.com.au/Community/CommunityReferenceGroup/CRGMeetingMinutes/tabid/157/Default.aspx	Min for Env		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.	Satisfactory during this period
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 month overall review has been completed, report currently being finalised.	Min for Env		Overall	Until determined by the Minister for Environment	Satisfactory during this period
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 DEC.	Prepare and implement a management plan for waste dumping.	Section 45C approved in 2000 for Croesus Rehabilitation Project. Section 45C approved in 2004 for Southern Landform Extension Project. Section 45C approved in 2005 for Southern Central Waste Dump. Section 45C approved in 2006 for the realignment of the Noise Bund and the Loophole Railway access.	Min for Env	DEC	Overall	Prior to the dumping of waste within five hundred metres of residences	Satisfactory during this period
782:M6.2	Dumping of Waste within five hundred metres of Residences	In the preparation of the management plan for waste dumping required by condition 6-1, the proponent shall consult with residents within five hundred metres of the dumping of waste and the environmental health staff of the CKB.	Consult with environmental health staff of the CKB and residents within 500m of the waste dumping in preparation of waste dumping management plan.	Not required at this stage. New condition in 2009, did not specifically apply to historical approvals outlined in 782:M6.1 (although consultation was undertaken).	Min for Env	CKB	Overall	Prior to the dumping of waste within five hundred metres of residences	Not required at this stage
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 DEC 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 DEC and the DoH.	Not required. OEPA Audit and Verification Report (March 2010) indicates this condition has been superseded by 188:M7.3. The FAQMP is being implemented. Consultation with the DEC and the DoH in preparation of this plan was undertaken by the EPA during the PER process.	Min for Env	DEC, DoH	Overall	Within three months following the issuing of the notice	Completed Superseded by 782:M7.3
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 DEC and the DoH.	Annual review of the FAQMP to the requirements of the Minister for the Environment on advice of the DEC and the DoH.	The FAQMP was reviewed and submitted to the OEPA, DEC and DoH via email 30 December 2010. The December 2010 FAQMP is available on the KCGM website and can be found on the following link: http://www.superpit.com.au/AboutKCGM/Publications/Environment/tabid/100/Default.aspx .	Min for Env	DEC, DoH	Overall	Annually from the date published	Satisfactory during this period
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.	The amended FAQMP (December 2010) has been implemented. Refer to the FAQMP Audit Table in Appendix B.	Min for Env		Overall	Ongoing	Satisfactory during this period

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
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.	Detonation of explosives at surface level were undertaken in accordance with KCGM's Blasting Dust Management Plan as contained within the FAQMP. All blasts undertaken in accordance with regulation 8.28 (4) of the Mines Safety and Inspection Regulations 1995 when wind direction does not favour the carriage of dust away from the residential areas are documented and none occurred during the reporting period.	Min for Env		Overall	Ongoing	Satisfactory during this period
782:M7.5	Air Quality	The proponent shall make available continuous dust monitoring data on their website within 24 hours of the recording of that data.	Continuous dust monitoring data is available on the KCGM website within 24 hours of the recording of that data.	PM ₁₀ monitoring data is available on the KCGM website within 24 hours of the recording of that data for last 30 days and can be found on the following link: http://www.superpit.com.au/Portals/0/docs/Environment/KCGM%20Dust%20Report.pdf	Min for Env		Overall	Within 24 hours of recording data.	Satisfactory during this period
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.	Min for Env		Overall	Ongoing	Satisfactory during this period
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 PIL system including all investigation and control measures implemented.	KCGM Public Interaction Line (PIL) information is made publicly available through presentations at the CRG meetings and is available to the public upon request through the KCGM Super Pit Shop. Minutes from CRG Meetings are available on the KCGM website and can be found on the following link: http://www.superpit.com.au/Community/CommunityReferenceGroup/CRGMeetingMinutes/tabid/157/Default.aspx .	Min for Env		Overall	Ongoing	Satisfactory during this period
782:M8.1	Noise	The proponent shall not conduct any mining activities forming part of the expanded and revised proposal unless and until approval has been granted under regulation 17(7) of the Environmental Protection (Noise) Regulations 1997. Note: In this condition "mining activities" does not include construction work within the meaning of regulation 13 of the Environmental Protection (Noise) Regulations 1997.	Do not conduct any mining activities forming part of the expanded and revised proposal unless and until approval has been granted under regulation 17(7) of the Environmental Protection (Noise) Regulations 1997.	<i>Environmental Protection (Fimiston Gold Mine Noise Emission Approval) 2009</i> was gazetted 14 July 2009. One appeal was received (Appeal No. 282/2009). The appeal against the Noise Regulation 17 Variation was dismissed by the 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.	Min for Env		Overall		Completed
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. <ul style="list-style-type: none"> • Golden Pike Noise Report June 2005 • Northern Waste Rock Dump Report July 2006 • Supplementary Golden Pike Noise Report July 2006 • Effects of Blasting in the Golden Pike Cutback February 2006 Noise Contour Map of worse case emissions overlain on CKB Town Planning Scheme was also prepared for this condition.	Min for Env		Overall		Completed
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.	Min for Env	WAPC, DPI, and CKB	Overall		Completed

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
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 FAQMP.	Blast times are provided to the OEPA in the Noise and Blast Monitoring Quarterly Reports which showed that all blast times were within 0700 hours and 1800 hours. These reports were submitted to the OEPA Proposal Implementation Monitoring Branch on 27 April 2010, 16 July 2010, 27 October 2010 and 10 February 2011.	Min for Env		Overall	Ongoing	Satisfactory during this period
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.	No blasts were detonated outside the hours 0700 to 1800 during the reporting period and therefore no reports to the CEO were required.	DEC		Overall	Within 36 hours following detonation.	Satisfactory during this period
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 NVMMP 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 OEPA in the Noise and Blast Monitoring Quarterly Reports which showed that all blast overpressure levels recorded during the reporting period complied with <i>Regulation 11 of the Environmental Protection (Noise) Regulations 1997</i> . These reports were submitted to the OEPA Proposal Implementation Monitoring Branch on 27 April 2010, 16 July 2010, 27 October 2010 and 10 February 2011.	Min for Env		Overall	Ongoing	Satisfactory during this period
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 NVMMP and make all reasonable effort to avoid blasting on Sundays.	Blast data (including blasts occurring on a Sunday) are provided to the OEPA in the Noise and Blast Monitoring Quarterly Reports. These reports were submitted to the OEPA Proposal Implementation Monitoring Branch on 27 April 2010, 16 July 2010, 27 October 2010 and 10 February 2011. During January and February of the reporting period seven blasts were fired on a Sunday in the Fimiston Open Pit. No further Sunday blasts occurred for the remainder of the reporting period.	Min for Env		Overall	Ongoing	Satisfactory during this period
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 ppv shall not exceed 5 mm/sec for 90% of blasts per year; 2. the ppv shall not exceed 10 mm/sec for any blast; and 3. no more than one in ten consecutive blasts shall exceed 5 mm/sec ppv.	Blast in accordance with the NVMMP to comply with the following vibration limits: 1. the ppv shall not exceed 5 mm/sec for 90% of blasts per year; 2. the ppv shall not exceed 10 mm/sec for any blast; and 3. no more than one in ten consecutive blasts shall exceed 5 mm/sec ppv.	Blast data are provided to the OEPA in the Noise and Blast Monitoring Quarterly Reports which showed that all blast vibration levels complied with section J4.2 of Australian Standard 2187.2-2006. These reports were submitted to the OEPA Proposal Implementation Monitoring Branch on 27 April 2010, 16 July 2010, 27 October 2010 and 10 February 2011.	Min for Env		Overall	Ongoing	Satisfactory during this period
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 of the Department of Environment and Conservation.	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 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	A revised 'provisional' NVMMP was submitted to the OEPA and DEC 12 August 2009. Approval of the NVMMP was delayed pending an appeal determination against the <i>Environmental Protection (Fimiston Gold Mine Noise Emission Approval) 2009</i> . The appeal was dismissed in March 2010. The NVMMP was amended to include two recommendations made by the appeals committee and submitted in April 2010. Further revision was requested by the OEPA and the final NVMMP was submitted in October 2010 and subsequently approved by the OEPA 6 December 2010. The October 2010 NVMMP is available on the KCGM website and can be found on the following link: http://www.superpit.com.au/AboutKCGM/Publications/Environment/tabid/100/Default.aspx .	Min for Env		Overall	Within six months following the issuing of the notice	Completed

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
			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 NVMMP within six months following the issuing of the notice.	The 'provisional' NVMMP submitted 12 August 2009 was implemented. The DEC accepted the NVMMP as information only (pending the outcome of the appeal against the <i>Environmental Protection (Fimiston Gold Mine Noise Emission Approval 2009)</i>).	Min for Env		Overall	Within six months following the issuing of the notice	Completed Superseded by 782:M9.9
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 Protection Authority, and shall amend the Programme to the requirements of the Minister for the Environment on advice of the Department of Environment and Conservation.	Review the Revised NVMMP as required by the Environmental Protection Authority, and amend the Programme to the requirements of the Minister for the Environment on advice of the Department of Environment and Conservation.	The NVMMP was revised to include recommendations of the Appeals Committee regarding an appeal against the Environmental Protection (Fimiston Gold Mine Noise Emissions) Approval 2009 and feedback from the OEPA and the DEC in regards to the April 2010 version. The OEPA approved the revised NVMMP (October 2010) 6 December 2010. The October 2010 NVMMP is available on the KCGM website and can be found on the following link: http://www.superpit.com.au/AboutKCGM/Publications/Environment/tabid/100/Default.aspx .	Min for Env	DEC	Overall	As required by the EPA	Satisfactory during this period
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.	The NVMMP (October 2010) has been implemented. Refer to NVMMP Audit Table in Appendix B.	Min for Env		Overall	Ongoing	Satisfactory during this period
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 the occupiers to undertake active mining operations within 400 metres of the above owned properties zoned "Residential" under the Town Planning Scheme were received via individual property tenancy agreements. No change to map showing residential properties and Joint venture owned properties within 400m of extent of mining included as Appendix N in the 2009 AACR.	Min for Env		Overall	Prior to mining within 400m of residential properties.	Satisfactory during this period

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
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-bearing substance is disturbed, removed, washed, sifted, crushed, leached, roasted, floated, 'distilled, evaporated, smelted, refined, sintered, pelletised, or' dealt with for the purpose of obtaining any mineral or rock from it for commercial purposes or for subsequent use in industry, whether it has been previously disturbed or not, and includes: 1. developmental and construction work associated with opening up or operating a mine; 2. the removal and disposal of overburden or waste or residues by mechanical or other means and the stacking, depositing, storage, and treatment of any substance considered to contain any mineral; and 3. transport of ore or other mining product that takes place on a road which is not a road as defined in the Road Traffic Act 1974, but for the purpose of this condition does not include: 4. construction of a noise bund which is not part of any active mining activity; 5. rehabilitation of any area; 6. administration buildings or other similar facilities from which noise emissions comply with the Environmental Protection (Noise,) Regulations 1997• 7. exploration operations; 8. operations for the care, security and maintenance of a mine and plant at the mine undertaken during any period when production or development operations at the mine are suspended; 9. operations undertaken to leave a mine safe to be abandoned; and 10. underground mining.	Liaise with the Heritage Council of Western Australia to minimise environment impacts associated with active mining, on State Registered Places know 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.	Min for Env	HCWA	Overall		Satisfactory during this period
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 14 April 2010. The April 2010 CRMP is available on the KCGM website and can be found on the following link: http://www.superpit.com.au/AboutKCGM/Publication/ProjectsandPlans/tabid/104/Default.aspx .	Min for Env, Min for Mines and Petroleum	EPA	Overall	Prior to 30 April 2010	Satisfactory during this period
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 CRMP: 1. DMP regarding items 1-3, 5-10, and 12 of condition 11-1; 2. DEC 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 KCGM CRMP was submitted 14 April 2010. Responses to the plan were received from the OEPA, DMP, DIA and DPI. The CKB has also requested an opportunity to meet which is scheduled to be conduct in February 2011. The office of the OEPA requested further clarification with regards to: <ul style="list-style-type: none"> Final landform design and surface treatment, Historic and future management of acid and metalliferous waste materials, Long-term stability of pit walls, Risk assessment and financial provisioning, and Potential creation of a post-closure trust fund. Updates will be in the 2010 KCGM AER to be submitted by 31 March 2011.	Min for Env	DMP, DEC, DPI, WAPC, CKB, DoW and Registrar of Aboriginal Sites	Overall		Satisfactory during this period

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Status
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 CRMP 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 Min of Env on advice of the relevant agencies indicated in condition 11-2.	Not required at this stage, next review due April 2012.	Min for Env	DMP, DEC, DPI, WAPC, CKB, DoW and DIA	Overall	Every 2 years from the date published	Not required at this stage
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 11-1; 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 CRMP required by condition 11-3 until such time as the Minister for the Environment determines that the closure responsibilities have been fulfilled.	Not required at this stage	Min for Env	DMP, DEC, DPI, WAPC, CKB, DoW and DIA	Overall	Until determined by the Minister for the Environment	Not required at this stage
782:M11.5	Rehabilitation and Closure Management Plan	The proponent shall make the Rehabilitation and Closure Management Plan required by condition 11-1 and subsequent revisions required by condition 11-3 publicly available in a manner approved by the CEO.	Make the Closure and Reclamation Management Plan required by condition 11-1 and subsequent revisions required by condition 11-3 publicly available on the KCGM website www.superpit.com.au	The KCGM Closure and Reclamation Management Plan was submitted 14 April 2010. The April 2010 CRMP is available on the KCGM website and can be found on the following link: http://www.superpit.com.au/AboutKCGM/Publications/ProjectsandPlans/tabid/104/Default.aspx .	DEC		Overall	Within 2 weeks of approval	Satisfactory at this stage
782:M12.1	Aboriginal Heritage	Prior to commencement of proposed works, the proponent shall submit an Aboriginal Cultural Heritage Management Plan that meets the objectives specified in Condition 12-3 as determined by the Minister for Indigenous Affairs.	Submit an Aboriginal Cultural Heritage Management Plan that meets the objectives specified in Condition 12-3 as determined by the Minister for Indigenous Affairs prior to the commencement of proposed works.	Letter of submission of ACHMP to DIA 29 December 2009. Email received from DIA 9 February 2010 advising plan meets the DIA's requirements.	DIA		Design	Prior to commencement of proposed works	Completed
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	Completed
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	Completed
782:M12.4	Aboriginal Heritage	The proponent shall implement the Aboriginal Cultural Heritage Management Plan.	Implement the Aboriginal Cultural Heritage Management Plan.	ACHMP implemented as demonstrated in Appendix B.	DIA		Overall	Ongoing	Satisfactory during this period

APPENDIX B: ENVIRONMENTAL MANAGEMENT PLANS AUDIT TABLES



KCGM Audit Table

Environmental Management Plans

Period: 1 January 2010 to 31 December 2010

Compliance was achieved with each objective of the Fimiston Air Quality Management Plan (FAQMP) during the audit period. This is demonstrated in the following FAQMP Audit Table:

AUDIT TABLE - FIMISTON AIR QUALITY MANAGEMENT PLAN																			
Objective	KPI	Evidence				When	Status												
DUST MONITORING AND MANAGEMENT PLAN																			
Maintain or reduce the number of complaints associated with dust reportedly from KCGM's operations	Reduction in dust complaints	There was one additional dust complaint during 2010 when compared to 2009, but still less than in recorded in 2008. 2008 9 complaints 2009 5 complaints 2010 6 complaints				Annual basis	Satisfactory during this period												
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 2010 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> </tr> <tr> <td>100%</td> <td>100%</td> <td>99%</td> <td>95%</td> <td>100%</td> <td>94%</td> </tr> </table>				HGC	BSY	HEW	CLY	HOP	MEX	100%	100%	99%	95%	100%	94%	Annual basis	Satisfactory during this period
HGC	BSY	HEW	CLY	HOP	MEX														
100%	100%	99%	95%	100%	94%														
Quarterly calibration of dust monitoring equipment	Quarterly calibrations	All quarterly calibrations were completed during the audit period. Calibrations were undertaken between 22-26 February 2010, 11-13 May 2010, 9-13 August 2010 and 1-5 November 2010. Calibration reports are available upon request.				Each quarter	Satisfactory during this period												
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. PM10 monitoring data is available on the KCGM website within 24 hours of the recording of that data for last 30 days and can be found on the following link: http://www.superpit.com.au/Portals/0/docs/Environment/KCGM%20Dust%20Report.pdf				Ongoing	Satisfactory during this period												

AUDIT TABLE - FIMISTON AIR QUALITY MANAGEMENT PLAN				
Objective	KPI	Evidence	When	Status
Assessment of data associated with days where the monitored 24-hour PM10 concentrations were greater than 50 µg/m ³ 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 NEPM were assessed during the audit period. Refer to Error! Reference source not found.	Ongoing	Satisfactory during this period
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 contained within the AER. A summary of dust monitoring results are contained within the KCGM Annual Environmental Report (AER) submitted to regulatory agencies. Dust monitoring and management was outlined in Section 5.3.2 of the 2009 KCGM AER provided to the DEC, DMP and OEPA on 30 March 2010. Results in Error! Reference source not found. will be in the 2010 KCGM AER to be submitted by 31 March 2011.	AER due 31 March annually	Satisfactory during this period
CARBON KILN MERCURY EMISSIONS REDUCTION PROGRAMME				
Implement a Carbon Kiln Emissions Control Strategy to reduce mercury emissions.	Maintain the mercury scrubber (installed on the Carbon Kilns) to capture between 30% and 50% of mercury emissions.	Mercury emissions management was outlined in Section 5.3.6 of the 2009 KCGM AER provided to the DEC, DMP and OEPA on 30 March 2010. Any updates will be in the 2010 KCGM AER to be submitted by 31 March 2011.	Ongoing	Satisfactory during this period
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 DEC 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 DEC	No changes made during the reporting period.	Ongoing	Satisfactory during this period
Mercury emissions from the Fimiston Carbon Regeneration Kilns will be estimated via a mass balance approach.	Estimate mercury emissions via mass balance	Estimation of mercury emissions via mass balance are reported annually in the National Pollutant Inventory.	Ongoing	Satisfactory during this period
MERCURY AND NICKEL AMBIENT MONITORING PROGRAMME				
Complete the proposed Mercury and Nickel Monitoring Programme	Complete monitoring programme	Not required at this stage. NOTE: The implementation of this monitoring programme is subject to the FAQMP (December 2010 review) being approved by the OEPA, DEC and DoH.	By December 2011	Not required at this stage

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

AUDIT TABLE - ABORIGINAL CULTURAL HERITAGE MANAGEMENT PLAN				
Objective	KPI	Evidence	When	Status
Aboriginal sites that lie within the vicinity of KCGM's operations are properly respected and protected	Protection of Aboriginal heritage sites	As described in the Aboriginal Cultural Heritage Management Plan (ACHMP) Section 4.3.1 and 5.	Ongoing	Satisfactory during this period
Significant heritage sites are preserved	Preservation of Aboriginal heritage sites	No new activities occurred within the vicinity of Aboriginal heritage sites.	Ongoing	Satisfactory during this period
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	Satisfactory during this period
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	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.	As required	Satisfactory during this period

Compliance was achieved with each objective of the Noise and Vibration Monitoring and Management Programme during the audit period. This is demonstrated in the following NVMMMP Audit Table.

AUDIT TABLE - NOISE AND VIBRATION MONITORING AND MANAGEMENT PLAN				
Objective	KPI	Evidence	When	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 noise levels at all locations complied with the approved noise levels for the evening/night time period. Results of Compliance Noise Monitoring are included in the Noise and Blast Quarterly Reports submitted to the OEPA. These reports were submitted to the OEPA Proposal Implementation Monitoring Branch on 27 April 2010, 16 July 2010, 27 October 2010 and 10 February 2011. During the reporting period compliance monitoring was undertaken during the night time period on the following dates: <ul style="list-style-type: none"> • 21 February to 25 February 2010; • 30 May 2010 to 4 June 2010; • 22 August to 27 August 2010; and • 7 November to 12 November 2010. 	Ongoing	Satisfactory during this period
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	No events were recorded during the reporting period.	As required	Satisfactory during this period
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 are recorded.	Results of the continuous and compliance noise monitoring is provided in the Noise and Blast Monitoring Quarterly Report submitted to the OEPA. These reports were submitted to the OEPA Proposal Implementation Monitoring Branch on 27 April 2010, 16 July 2010, 27 October 2010 and 10 February 2011.	Ongoing	Satisfactory during this period
Maintenance and field calibration of the RTA02 noise loggers is conducted on a weekly basis by KCGM Environmental personnel in accordance with an internal standard operating procedures.	Maintenance and field calibrations are conducted and recorded.	Spreadsheet record of maintenance and field calibrations is maintained.	Weekly	Satisfactory during this period

AUDIT TABLE - NOISE AND VIBRATION MONITORING AND MANAGEMENT PLAN

Objective	KPI	Evidence	When	Status
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.	Updates regarding the implementation of a real-time noise monitoring site are provided in the Noise and Blast Monitoring Quarterly Report submitted to the OEPA. These reports were submitted to the OEPA Proposal Implementation Monitoring Branch on 27 April 2010, 16 July 2010, 27 October 2010 and 10 February 2011.	By June 2011	Satisfactory during this period
KCGM prepares and submits an Annual Noise Monitoring and Management Report to the DEC Director.	Submission of the Annual Noise Monitoring and Management Report.	The Annual Noise Monitoring and Management Report was submitted on 16 August 2010 to the DEC Director Environmental Regulation Division.	Annually	Satisfactory during this period
KCGM's blast overpressure and vibration monitoring programme involves recording of overpressure and vibration at reference locations for each blast undertaken.	Blast overpressure and vibration monitoring programme in place.	Blast overpressure and vibration monitoring records for each blast undertaken are provided in the Noise and Blast Monitoring Quarterly Report submitted to the OEPA. These reports were submitted to the OEPA Proposal Implementation Monitoring Branch on 27 April 2010, 16 July 2010, 27 October 2010 and 10 February 2011.	Ongoing	Satisfactory during this period
The blast monitoring equipment are 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 Report submitted to the OEPA. For example: Certificates are available in Appendix 4 in the July to September 2010 report submitted to the OEPA Proposal Implementation Monitoring Branch on 27 October 2010.	Ongoing	Satisfactory during this period
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 as required to the OEPA during the reporting period. These reports were submitted to the OEPA Proposal Implementation Monitoring Branch on 27 April 2010, 16 July 2010, 27 October 2010 and 10 February 2011.	Quarterly	Satisfactory during this period

AUDIT TABLE - NOISE AND VIBRATION MONITORING AND MANAGEMENT PLAN

Objective	KPI	Evidence	When	Status
<p>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 modelling and noise control activities.</p>	<p>Noise and vibration is addressed at CRG meetings.</p>	<p>Results of quarterly compliance monitoring, public complaints project and plans are all discussed at appropriate CRG meetings. CRG meeting on 11 November 2010 is an example.</p> <p>Minutes from CRG Meetings are available on the KCGM website and can be found on the following link: http://www.superpit.com.au/Community/CommunityReferenceGroup/CRGMeetingMinutes/tabid/157/Default.aspx.</p>	<p>Ongoing</p>	<p>Satisfactory during this period</p>
<p>Provide a means for the public to communicate concerns regarding noise and vibration to KCGM.</p>	<p>Ensure all noise and vibration complaints are recorded in PIL.</p>	<p>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 the DEC or DMP.</p> <p>Public Complaints regarding noise and any actions taken are discussed in the Noise and Blast Monitoring Quarterly Report submitted to the OEPA.</p> <p>These reports were submitted to the OEPA Proposal Implementation Monitoring Branch on 27 April 2010, 16 July 2010, 27 October 2010 and 10 February 2011.</p>	<p>Ongoing</p>	<p>Satisfactory during this period</p>
<p>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</p>	<p>Implement a community noise amelioration programme that will benefit the community most affected by noise from KCGM operations.</p>	<p>Updates regarding the implementation of the community noise amelioration programme are provided in the Noise and Blast Monitoring Quarterly Report submitted to the OEPA.</p> <p>These reports were submitted to the OEPA Proposal Implementation Monitoring Branch on 27 April 2010, 16 July 2010, 27 October 2010 and 10 February 2011.</p>	<p>Ongoing</p>	<p>In process</p>

An audit table has not been prepared for the Closure and Reclamation Management Plan as this plan was still under evaluation by external stakeholders during the reporting period.

KCGM's CRMP was submitted to relevant government authorities on 30 April 2010, with an initial formal response requested by 31 July 2010. Due to a limited number of responses a revised date of 31st December was established. Responses have now been received from the OEPA, DMP, DIA and DPI. The city of Kalgoorlie Boulder has also requested an opportunity to meet which is scheduled to be conducted in February 2011.

- The office of the OEPA requested further clarification with regards to:
- Final landform design and surface treatment,
- Historic and future management of acid and metalliferous waste materials,
- Long-term stability of pit walls,
- Risk assessment and financial provisioning, and
- Potential creation of a post-closure trust fund.

KCGM's draft response has been discussed with the DMP (nominated lead agency) and KCGM are now in the process of finalising its response to the OEPA with the incorporation of comments made from other regulatory bodies.

An update on closure and reclamation for the reporting period is included in the 2010 KCGM AER to be submitted by 31 March 2011.