

Keith Lindbeck and Associates Environmental Management Consultants

ABN 36 150 274 469



7 August 2012

**Mr K Taylor
General Manager
Office of the Environmental Protection Authority
Locked Bag 33, Cloisters Square
PERTH WA 6850**

Dear Kim

**INDEPENDENT ENVIRONMENTAL AUDITOR - FIMISTON GOLD MINE
OPERATIONS EXTENSION (STAGE 3 – GOLDEN PIKE CUTBACK AND CLOSURE
PLANNING), KALGOORLIE CONSOLIDATED GOLD MINES**

MINISTERIAL STATEMENT NO. 782

The first independent auditor's report for the first audit period was presented to and considered by the Community Reference Group (CRG) on 11 February 2010. The second report was presented to the CRG on 13 May 2010 and the third report was presented to the CRG for consideration on 9 December 2010.

Condition 5-3 of Ministerial Statement 782 required the independent auditor to report to the Minister after the third audit period by undertaking a review and providing a recommendation to the Minister for continuation or cessation of the audit process. After the third audit period (18 months), the review was completed by the auditor and a summary report and recommendation from the auditor was forwarded to the Minister on 14th April 2011. The recommendation from the auditor was for the continuation of the audit for a further two audit periods.

On 3rd June 2011, the Minister advised the auditor that he had accepted the recommendation with the audit period to cease on 28th September 2011. He also requested a further review and recommendation from the auditor for continuation or cessation of the audit process on completion of the two additional audit periods (to 28th September 2011).

On 30th June 2011, KCGM requested the auditor to consider the two audit periods to encompass 29 July 2010 to 31 March 2011 and 1 April 2011 to 30 September 2011 as these dates correlate with KCGM's quarterly reporting periods. This request was agreed to by the auditor.

Subsequently, the fourth independent environmental audit for the period 29 July 2010 to 31 March 2011 was completed and presented to the CRG on 8 March 2012 and the fifth independent environmental audit for the period 1 April to 30 September 2011 was presented to the CRG on 17 May 2012.

As required by Item 6 of Condition 5-3 contained within Ministerial Statement No. 782, I attach my second summary report as the Independent Environmental Auditor for the period 29 July 2010 to 30 September 2011.

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There were no limits exceeded or non-compliances sighted or observed 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).

Recommendation

The total audit period has covered a period of 32 months of which mining at Golden Pike has been undertaken for 18 months. The early commencement of the audit enabled background checks to be considered and observations of the monitoring and reporting systems to be undertaken by the auditor.

The third, with the additional fourth and fifth audits have encompassed three audit periods required in the Ministerial Condition (for the mining operations).

As no breaches of Conditions and no non-compliances have been identified over the audit period, I recommend that no further audit periods be required for the Golden Pike Cutback and Closure Plan at KCGM in Kalgoorlie.

I also recommend that Ministerial Conditions 782:M5.3 and 782:M5.4 be classified as "Completed" under the OEPA audit classification system.

I look forward to receiving your concurrence to my recommendation.

Yours sincerely

A handwritten signature in dark ink, appearing to read 'Keith Lindbeck', with a long, sweeping horizontal line extending to the right.

Keith Lindbeck
Principal

Keith Lindbeck and Associates
Environmental Management Consultants



**SECOND SUMMARY COMPLIANCE REPORT BY
INDEPENDENT ENVIRONMENTAL AUDITOR**

Audit Period – 29 July 2010 to 30 September 2011

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

KALGOORLIE CONSOLIDATED GOLD MINES PTY LTD

**As Required by Item 6 of Condition 5-3
Contained Within Ministerial Statement No. 782**

Report Prepared for:	Minister for the Environment
Report Prepared by	Keith Lindbeck & Associates Environmental Management Consultants PO Box 144 BULL CREEK WA 6149 Tel: 08 9332 0671 Fax: 08 9332 0672 Mob: 0412 419 468 ABN: 36 150 274 469

July 2012

EXECUTIVE SUMMARY

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

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

Condition 5-3 imposed within Statement No. 782 required KCGM to appoint an independent environmental auditor to audit compliance with the conditions contained in the Statement and the site Department of Environment & Conservation (DEC) operating licence (L6420/1988/12) and for the auditor to report to the Community Reference Group (CRG). Item 6 of Condition 5-3 requires the auditor to:

- “carry out an overall review after eighteen months and advise the Minister for the Environment as to whether the independent auditing should continue”.

This document includes the report on the overall review and the recommendation on the continuation of the auditing.

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

Three independent environmental audits were undertaken for the periods 29 January 2009 to 28 July 2009, 29 July 2009 to 28 January 2010 and 29 January 2010 to 28 July 2010.

All relevant records and reports were sighted.

There were no limits exceeded or non-compliances sighted or observed 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).

On advice from the Office of the Environmental Protection Authority (OEPA), the period of auditing commenced on the date of issue of the Minister’s Statement (No 782 on 29 January 2009).

Mining of the Golden Pike Cutback by KCGM was not able to commence until an appeal against the Minister’s decision to grant a Regulation 17 variation under the Environmental Protection (Noise) Regulations 2003 was determined. The appeal was determined by the Minister on 24 March 2010. It was from that date that KCGM could commence the mining operation. Mining of the Golden Pike Cutback commenced late in March 2010.

Consequently, the first two audit periods occurred before the commencement of mining.

Therefore, the independent auditor recommended to the Minister for the Environment (KLA 2011a) that two additional audit periods be undertaken (viz. 29 July 2010 to 28 January 2011 and 29 January to 28 July 2011). Subsequently it was agreed that the two additional audit periods would cease on 30 September 2011.

This resulted in a total of five audits, the latter three of which will be undertaken during the mining operation which was the original intent of Condition 5-3 imposed within Ministerial Statement 782.

The Minister requested that at the end of the two additional audit periods (30 September 2011), the independent auditor provide a recommendation to the Minister for the Environment on the continuation or cessation of the independent audit process.

During the two additional audits, 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).

As the auditor has completed five audits and there were no exceedences or non-compliances identified during the audits, and as KCGM have effective management practices to immediately mitigate any exceedences, the Auditor recommends that no further audits be undertaken as set down in Ministerial Statement No. 782.

Therefore, Ministerial Conditions 782:M5.3 and 782:M5.4 are considered to be completed.

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ATTACHMENT 1

Audit Table for Compliance with Ministerial Statement No. 782

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1.0 INTRODUCTION

1.1 BACKGROUND

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

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

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

- "5-3 The proponent shall appoint and fund an independent environmental auditor for an initial period of eighteen months to report to the community through the community reference group and to the Minister for the Environment on the environmental performance of the proponent. The auditor shall*
- 1. check on compliance with the Ministerial Conditions contained in this Statement;*
 - 2. report on the results of dust monitoring and actions taken where dust levels have exceeded set criteria and can be attributed to the proponent;*
 - 3. report on the consistency with the noise criteria set through the Regulation 17 approval process;*
 - 4. report on compliance with conditions set in the licence and performance against environmental criteria set by the licence;*
 - 5. report six monthly to the community reference group any non-compliance of conditions or inconsistency with environmental criteria as soon as practicable after identifying that non-compliance or inconsistency; and*
 - 6. carry out an overall review after eighteen months and advise the Minister for the Environment as to whether the independent auditing should continue.*
- 5-4 Subject to the outcomes of the eighteen month review described in item 6 of condition 5-3, the proponent will continue to fund the independent environmental auditor after the initial period of eighteen months for such time as determined by the Minister for the Environment."*

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

1.2 EXTENSION TO AUDIT PERIOD

The first three auditing dates for the three six-monthly periods were:

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

- 29 January 2010 to 28 July 2010.

Consequently, the first independent auditor's report for the first audit period was presented to and considered by the Community Reference Group (CRG) on 11 February 2010 (KLA 2010a).

The second report (KLA 2010b) was presented to the CRG on 13 May 2010 and the third report (KLA 2010c) was presented to the CRG for consideration on 9 December 2010.

Condition 5-3 of Ministerial Statement 782 requires the independent auditor to report to the Minister after the third audit period by undertaking a review and providing a recommendation to the Minister for continuation or cessation of the audit process. After the third audit period (18 months), the review was completed by the auditor and a summary report and recommendation from the auditor was forwarded to the Minister on 14th April 2011 (KLA 2011a). The recommendation from the auditor was for the continuation of the audit for a further two audit periods.

On 3rd June 2011, the Minister advised the auditor that he had accepted the recommendation with the audit period to cease on 28th September 2011. He also requested a further review and recommendation from the auditor for continuation or cessation of the audit process on completion of the two additional audit periods (to 28th September 2011).

On 30th June 2011, KCGM requested the auditor to consider the two audit periods to encompass 29 July 2010 to 31 March 2011 and 1 April 2011 to 30 September 2011 as these dates correlate with KCGM's quarterly reporting periods. This request was agreed to by the auditor.

Subsequently, the fourth independent environmental audit for the period 29 July 2010 to 31 March 2011 (KLA 2011b) was completed and presented to the CRG on 8 March 2012 and the fifth independent environmental audit for the period 1 April to 30 September 2011 (KLA 2012) was presented to the CRG on 17 May 2012.

This summary report and recommendation to the Minister for the Environment covers the period of the fourth and fifth audit periods, 29th July 2010 to 30 September 2011.

1.3 APPOINTMENT OF AUDITOR

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

1.3 AUDIT REPORTING PERIODS

The auditing dates for the two additional audit periods were:

- 29 July 2010 to 31 March 2011
- 1 April to 30 September 2011.

The fourth independent auditor's report was presented to and considered by the CRG on 8 March 2012 (KLA 2011b) and the fifth report (KLA 2012) was presented to the CRG on 17 May 2012.

2.0 LITERATURE REVIEWED

Prior to commencing the first audit and for the subsequent audits, the following documents provided background information for the auditor:

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

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

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

3.0 INDEPENDENT ENVIRONMENTAL AUDITS FOR PERIOD 29 JULY 2010 TO 30 SEPTEMBER 2011

3.1 SITE AUDITS

Site visits or audits were undertaken by the independent auditor on:

- 20 July 2011 (audit)
- 8 March 2012 (presentation to the CRG)
- 5 April 2012 (audit)
- 17 May 2012 (presentation to the CRG).

During the audits the auditor:

- Received and reviewed published reports and hard copies of data/certificates
- Reviewed real-time data available on KCGM's internal computer system
- Reviewed data displayed and available on the KCGM web-site
- Held discussions with:
 - Ms Graeme Smith
 - Ms Michelle Berryman
 - Ms Catherine Wharton
 - Ms Bronwen Smith.



Plate 1 - MEX Monitoring Site

3.2 AUDIT OF CALIBRATION RECORDS OF RECORDING INSTRUMENTS

The accuracy of recording instruments can only be acceptable if the instruments are regularly calibrated. Calibration records were sighted for:

- The blast monitoring equipment (Alpha-Foxtrot)
- The dust monitoring equipment for this audit period (calibrated quarterly).

All recording equipment passed the calibration tests.

3.3 RECORDS AND REPORTS REVIEWED

All relevant records and reports applicable to each of the audit periods were provided by KCGM and reviewed. Each of the audit reports contain a list of the reports that were received and reviewed.

3.4 COMPLIANCE WITH MINISTERIAL CONDITIONS (Ministerial Statement No. 782)

To record compliance (or otherwise) with the Ministerial Conditions imposed within Ministerial statement 782, an audit table has been developed in conjunction with officers from the Office of the Environmental Protection Authority (OEPA). This audit table has been completed to encompass the period of the two audit periods (29 July 2010 to 30 September 2011) and is included with this report as Attachment 1.

In the "Compliance Status" column of the Audit Table terms have been used as described in Department of Environment and Conservation (2007).

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

The following specific Ministerial Conditions were audited for the audit period.

3.4.1 Dumping of Waste within 500 m of Residences (Condition 782:6.1)

This Condition requires KCGM to prepare a waste dumping management plan if waste rock dumping is to encroach within 500 m of residences. KCGM has produced a plan of the waste dump to be located to the north of the Golden Pike Cutback (Figure 1).

This plan indicates that the waste dump will not encroach within 500 m of any residence.

3.4.2 Set-back for Mining Activities (Condition 782:M10.1)

This Ministerial Condition requires KCGM to obtain the written consent of all owners and occupiers of residential properties located within 400 m of the active mining operations. Figure 2 is a plan indicating the properties located within the 400 m mining zone.

The auditor sighted and reported on every written request to the owners/occupiers with the attached consent form forwarded by KCGM in January 2010 and also sighted each signed consent form returned by the owner or occupier (KLA 2011b, KLA 2012).

3.5 COMPLIANCE WITH DUST MONITORING

Nine exceedences in dust levels were notified to the Department of Environment and Conservation (DEC) and Department of Health (DOH) for exceedences occurring on 19 August, 20 August, 19 October, 20 October, 27 October, 21 November, 13 December 2010, 11 January and 28 January 2011. This action was taken in compliance with the Ministerial condition.

Seven of the nine incidents were related to smoke from wood fires, dust or thunderstorms in the local area and could not be attributed to the KCGM mining operation.

The investigation of the incident occurring on 19 October 2010 was unable to confirm the location of the dust source. However, there appeared to be some indication that dust may have been sourced from the KCGM waste landforms.

The investigation of the incident of 13 December 2010 indicated that dust may have been sourced from the Golden Pike expansion area. To reduce the possible impact, KCGM reduced operations at Golden Pike and instigated dust suppression watering operations.

Five exceedences in dust levels were notified to the DEC and DOH for exceedences occurring on 6 April, 28 June, 30 June, 20 August and 18 September 2011.

The incident that occurred on 18th September 2011 was believed to be triggered by a regional dust storm that was a contributing factor to the elevated dust readings at all the sites.

The investigations into the remaining four incidents indicated that dust may have been sourced from the Golden Pike expansion area or other KCGM operations, although it was difficult to determine. It is recorded, however, that dust suppression activities were ongoing on these dates and the dust sources may have been due to gusty winds recorded on those days.

3.6 CONSISTENCY WITH NOISE AND BLAST CRITERIA

3.6.1 Noise Compliance

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

3.6.2 Blast Compliance

For the period 29 July to 30 September 2010, of 68 blasting events, vibration trigger events were recorded to a maximum of 67 at Site Bravo and a minimum of 48 at Site Foxtrot.

For the period 1 October to 31 December 2010, of 71 separate blasting events, vibration trigger events were recorded to a maximum of 78 at Site Charlie and a minimum of 61 triggers at Site Echo.

For the period 1 January to 31 March 2011, of 75 blasting events, vibration trigger events were recorded to a maximum of 75 at site Charlie and a minimum of 53 at site Echo.

On 1 March 2011, an overpressure reading greater than 120dB was recorded at Sites Alpha and Delta. The blast occurred at 1300 hrs within the Golden Pike Cutback area. No public complaints were received as a result of this blast.

Over the period 29th July to 31 December 2010, there were no blasts fired on a Sunday in the Fimiston Open Pit.

An unscheduled blast was fired on Sunday 16th January 2011 in the Fimiston Open Pit. This unscheduled blast was fired to maintain production rate and to avoid the need to stand down a shovel. No public complaints were received as a result of the blast.

For the period 1 April to 30 June 2011, of 75 blasting events, vibration trigger events were recorded to a maximum of 75 at Site Charlie and a minimum of 55 at Site Foxtrot.

For the period 1 July to 30 September 2011, of 87 separate blasting events, vibration trigger events were recorded to a maximum of 87 at Sites Alpha and Charlie and a minimum of 61 triggers at Site Echo.

Over the period 1 April to 30 September 2011, there were no blasts fired on a Sunday in the Fimiston Open Pit.

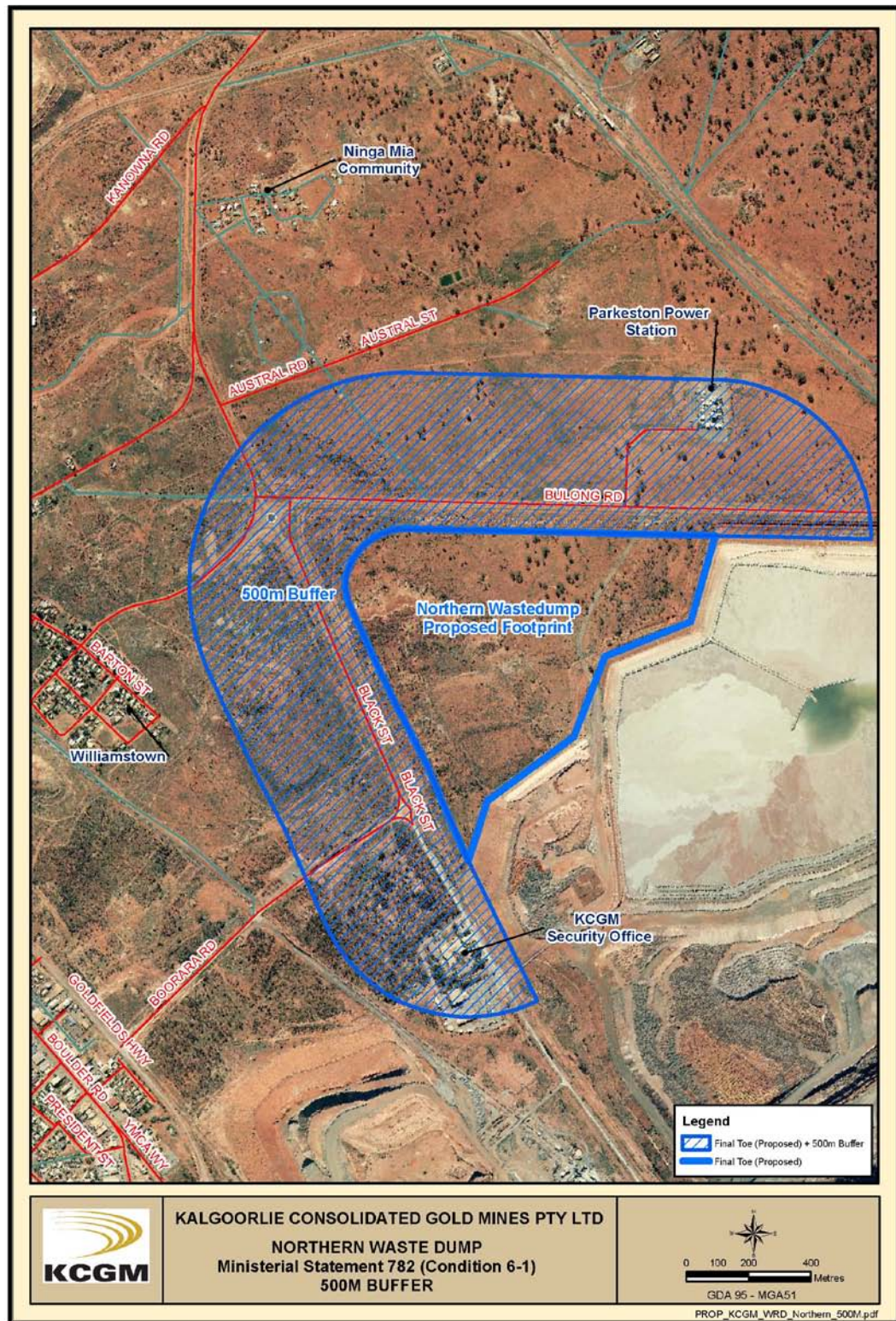


Figure 1 - Plan Indicating Toe of Waste Dump and 500 m Buffer Zone for Northern Waste Dump



Operation

3.7 COMPLIANCE WITH CONDITIONS OF DEC LICENCE L6240/1988/12

3.7.1 Condition 1 – Groundwater Level Limit

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

The records indicate that MCB MBF8 had continued to become shallower and during the period 1 January to 31 March 2011 had been recorded at a level of 3.85 mbgl (recorded 12 March 2011). MBF8 then continued to vary its depth below ground level between 5.28 mbgl on 8 April 2011 to 3.95 mbgl on 15 June 2011. The shallow recordings continued into the period 1 July to 30 September 2011 with MCB MBF8 recording depths varying between 3.78 to 3.55 mbgl.

This shallow level requires KCGM to commence pumping from the bore within two quarters.

Following receipt of the 1st quarter groundwater monitoring report, on 6th April, 2011, KCGM advised the Kalgoorlie office of DEC of the breach of conditions. The bore was re-measured on 5th April 2011 and the level was found to have reduced to 4.18 mbgl. Another re-measuring on 11th April found that the groundwater had again decreased to 4.85 mbgl (below the reporting level).

Subsequently, KCGM investigated this occurrence and believes that the increase in groundwater level in March was due to rainfall infiltration into the bore from an adjacent seepage interceptor trench. This followed substantial rainfall events during the months of January and February 2011.

On 13th April 2011, KCGM advised the DEC that it had identified several corrective actions that could assist with maintaining the groundwater levels below 4 mbgl. These include:

- Review alternative dewatering systems (dedicated sumps within Seepage Interception Trench/mobile trailer mounted pump) to hasten removal of surface water
- Conduct a review of surface water management practices, particularly to identify priority areas such as MBF8.

KCGM was planning to install additional production bores to the north of MBF8 to increase seepage recovery and lower groundwater levels below 6 mbgl. The installation of these bores was delayed by concerns over land tenure. However, they have now been installed (April 2012) to the south and east of MBF8 and are being equipped with pumps.

3.7.2 Condition 2 – Groundwater Level Target

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

During the audit period, Monitoring Compliance Bore (MCB) MBF8 was the only bore recorded with a groundwater level less than six mbgl for the period 29 July 2010 to 30 September 2011.

Management of MBF8 is a priority for KCGM to have the groundwater levels return to greater than six mbgl (see Section 3.7.1).

3.7.3 Condition 3 - Groundwater Quality Target

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

The records sighted for the audit periods indicated that there had not been any exceedence of the limit of 0.5 mg/L CN_{WAD} .

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

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

3.7.5 Conditions 5 and 6 – Audit of the FOSGMP

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

The annual audit was completed and a copy of the covering letter dated 31 August 2011 sent to the DEC with the audit report was sighted.

3.7.6 Conditions 7, 8 and 9 – Groundwater Monitoring Programme

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

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

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

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

3.7.7 Conditions 10 and 11 – Vegetation Monitoring Programme

A vegetation monitoring program is required at specific transects in the vicinity of the Fimiston TSF. A report is required to be submitted with the Annual Report forwarded to

the DEC. The Annual Report for 2011 was sighted and included the required reports which incorporated the reporting requirements set out in Condition 10.

3.7.8 Condition 12 – Action Required to Protect Vegetation

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

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

3.7.9 Conditions 13 to 18 – Reporting Conditions

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

- Condition 13 - Groundwater Monitoring – quarterly
- Conditions 14 to 16 – Exceedence of groundwater limit (<4 mbgl) within 24 hours of becoming aware of the limit being exceeded, the Licensee is to provide a report on the exceedence
- Condition 17 – Submission of an Annual Report to the Director. This report was forwarded to the Director on 30th March 2011.
- Condition 18 – Annual Audit Compliance Report. This report was forwarded to the Director on 28 February 2011.

The auditor is able to certify that Conditions 13, 17 and 18 are in compliance.

4.0 CONCLUSION

The additional two independent environmental audits for the periods 29 July 2010 to 31 March 2011 (KLA 2011b) and 1 April to 30 September 2011 (KLA 2012) have been completed and provided to the CRG.

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

All relevant records and reports were sighted.

There were no limits exceeded or non-compliances sighted that could be attributed to the expansion of the Fimiston Operations as set down by the Ministerial Conditions (Statement No. 782) or by the DEC operating licence (L6420/1988/12).

As the auditor has completed five audits and there were no exceedences or non-compliances identified during the audits, and as KCGM have effective management practices to immediately mitigate any exceedences, the Auditor recommends that no further audits be undertaken as required under Ministerial Statement No. 782.

Therefore, Ministerial Conditions 782:M5.3 and 782:M5.4 are considered to be completed.

5.0 BIBLIOGRAPHY

Department of Environment and Conservation (2007). *Performance and Compliance Reporting – Guidelines for Proponents*. Department of Environment and Conservation, Government of Western Australia. Draft, August 2007.

Keith Lindbeck and Associates – KLA (2010a). *Compliance Report by Independent Environmental Auditor. Audit Period 29 January to 28 July 2009. Fimiston Gold Mine Operations Extension (Stage 3 – Golden Pike Cutback) and Mine Closure Planning, Kalgoorlie Consolidated Gold Mines Pty Ltd.* Unpublished Report prepared for the Community Reference Group, Kalgoorlie. January 2010.

Keith Lindbeck and Associates – KLA (2010b). *Second Compliance Report by Independent Environmental Auditor. Audit Period 29 July 2009 to 28 January 2010. Fimiston Gold Mine Operations Extension (Stage 3 – Golden Pike Cutback) and Mine Closure Planning, Kalgoorlie Consolidated Gold Mines Pty Ltd.* Unpublished Report prepared for the Community Reference Group, Kalgoorlie. April 2010.

Keith Lindbeck and Associates – KLA (2010c). *Third Compliance Report by Independent Environmental Auditor. Audit Period 29 July 2009 to 28 January 2010. Fimiston Gold Mine Operations Extension (Stage 3 – Golden Pike Cutback) and Mine Closure Planning, Kalgoorlie Consolidated Gold Mines Pty Ltd.* Unpublished Report prepared for the Community Reference Group, Kalgoorlie. November 2010.

Keith Lindbeck and Associates – KLA (2011a). *Summary Compliance Report by Independent Auditor. Audit Period 29 January 2009 to 28 July 2010. Fimiston Gold Mine Operations Extension (Stage 3 – Golden Pike Cutback) and Mine Closure Planning.* Kalgoorlie Consolidated Gold Mines Pty Ltd. Unpublished Report prepared for the Community Reference Group, Kalgoorlie. April 2011.

Keith Lindbeck and Associates – KLA (2011b). *Fourth Compliance Report by Independent Auditor. Audit Period 29 July 2010 to 31 March 2011. Fimiston Gold Mine Operations Extension (Stage 3 – Golden Pike Cutback) and Mine Closure Planning.* Kalgoorlie Consolidated Gold Mines Pty Ltd. Unpublished Report prepared for the Community Reference Group, Kalgoorlie. November 2011.

Keith Lindbeck and Associates – KLA (2012). *Fifth Compliance Report by Independent Auditor. Audit Period 1 April 2011 to 30 September 2011. Fimiston Gold Mine Operations Extension (Stage 3 – Golden Pike Cutback) and Mine Closure Planning.* Kalgoorlie Consolidated Gold Mines Pty Ltd. Unpublished Report prepared for the Community Reference Group, Kalgoorlie. April 2012.

ATTACHMENT 1

AUDIT TABLE FOR COMPLIANCE WITH MINISTERIAL STATEMENT NO. 782



AUDIT TABLE

KCGM Independent Audit for the Period 1 April 2011 to 30 September 2011
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- Note:**
- Phases that apply in this table = **Pre-Construction, Construction, Operation, Decommissioning, Overall (several phases)**
 - This audit table is a summary and timetable of conditions and commitments applying to this project. Refer to the Minister’s Statement for full detail/precise wording of individual elements.
 - Code prefixes: M = Minister’s condition; P = Proponent’s commitment; A = Audit specification; N = Procedure.
 - Any elements with status = “Audited by proponent only” are legally binding but are not required to be addressed specifically in compliance reports, if complied with.
 - Acronyms list:- Minister for the Environment - Min for Env; Chief Executive Officer - CEO; DEC – Dept of Environment and Conservation; Evaluation Division - Part IV; Pollution Prevention Division - Part V; Waste Management Division - WMD; Department of Mines and Petroleum - DMP; Environmental Protection Authority - EPA; Health Department of WA - HDWA; Water and Rivers Commission - WRC; Bush Fires Board – BFB; Department of Planning & Infrastructure – DPI; WA Planning Commission - WAPC.

Audit Code	Subject	Action	How	Evidence	Satisfy	Advice	Phase	When	Compliance Status	Evidence Sighted
782:G										
782:M1.1	Proposal Implementation	The proponent shall implement the proposal as documented and described in schedule I of this statement subject to the conditions and procedures of this statement.	Project implemented in accordance with these conditions.	Compliance Report (CR)	Min for Env		Overall		N/A	N/A
782:M2.1	Proponent Nomination and Contact Details	The proponent for the time being nominated by the Minister for the Environment under sections 38(6) or 38(7) of the Environmental Protection Act 1986 is responsible for the implementation of the proposal.			Min for Env		Overall		Completed	
782:M2.2	Proponent Nomination and Contact Details	The proponent shall notify the Chief Executive Officer of the Department of Environment and Conservation (CEO) of any change of the name and address of the proponent for the serving of notices or other correspondence within 30 days of such change.	Letter notifying the CEO of any change in proponent details.	Letter notifying the CEO of any change in proponent details.	DEC		Overall	Within 30 days of such change	Completed	N/A
782:M3.1	Time Limit of Authorisation	The authorisation to implement the proposal provided for in this statement shall lapse and be void within five years			Min for Env		Overall	On or before the expiration of five years froth the date of this statement. 29 January 2014	N/A	N/A



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		after the date of this statement if the proposal to which this statement relates is not substantially commenced.								
782:M3.2	Time Limit of Authorisation	The proponent shall provide the CEO with written evidence which demonstrates that the proposal has substantially commenced on or before the expiration of five years from the date of this statement.	Letter notifying the CEO that the proposal has substantially commenced.	Written evidence.	DEC		Overall	On or before the expiration of five years from the date of this statement. 29 January 2014	N/A	N/A
782:M4.1	Compliance Reporting	The proponent shall submit to the CEO environmental compliance reports annually reporting on the previous twelve-month period, unless required by the CEO to report more frequently.	Submit annual compliance reports, covering the conditions of this audit program, unless otherwise required by the CEO to report more frequently.	CR	DEC		Overall	Annually on or before 29 March	N/A	Annual compliance report not due during this audit 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.	CR	DEC		Overall	Annually on or before 29 March	N/A	Annual compliance report not due during this audit 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	Submit annual compliance reports, covering the conditions of this audit program.	CR	DEC		Overall	Annually on or before 29 March	N/A	Annual compliance report not due during this audit period.



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		proponent has complied with each condition and procedure contained in this statement; 3. provide, verifiable evidence of compliance with each condition and procedure contained in this statement; 4: state whether the proponent has complied with each key action contained in any environmental management plan or program required by this statement; 5. provide verifiable evidence of conformance with each key action contained in any environmental management plan or program required by this statement; 6. identify all non-compliances and non-conformances and describe the corrective and preventative actions taken in relation to each non-compliance or non-conformance; 7. review the effectiveness of all corrective and preventative actions taken; and 8. describe the state of implementation of the proposal.								
782:M4.4	Compliance Reporting	The proponent shall make the environmental compliance reports required by condition 4-1 publicly available in a manner approved by the CEO.	Place environmental compliance reports on the KCGM website www.superpit.com.au	CR available on website	DEC		Overall	Within 2 weeks of submission to the DEC	In Compliance	Previous compliance report placed on the KCGM web site on 21 March 2011
782:M5.1	Performance Review	The proponent shall submit a Performance	Performance Review report submitted every five years	Performance Review report	Min for Env		Overall	Every five years after the start of mining	N/A	N/A



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		<p>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</p>	<p>after the start of mining activities addressing the relevant issues.</p>					activities		
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		improvements in technology and management processes.								
782:M5.2	Performance Review	The proponent shall make the Performance Review reports required by condition 5-1 publicly available in a manner approved by the CEO.	Place Performance Review reports on the KCGM website www.superpit.com.au	Performance Review reports available on website	DEC		Overall	Within 2 weeks of submission to the DEC	N/A	N/A
782:M5.3	Performance Review	The proponent shall appoint and fund an independent environmental auditor for an initial period of eighteen months to report to the community through the community reference group and to the Minister for the Environment on the environmental performance of the proponent. The auditor shall: 1. check on compliance with the Ministerial Conditions contained in this Statement; 2. report on the results of dust monitoring and actions taken where dust levels have exceeded set criteria and can be attributable to the proponent; 3. report on consistency with the noise criteria set through the Regulation 17 approval process; 4. report on compliance with conditions set in the licence and performance against environmental criteria set by the licence; 5. report six monthly to the	KCGM appoint an independent environmental auditor. 6 Monthly environmental performance review reports to CRG for initial 18 month period. Overall 18 month environmental performance review to Minister for Environment.	Environmental performance review reports. CRG Minutes.	Min for Env		Overall	An initial 18 month period Report six monthly to the community reference group any non-compliance of conditions or inconsistency with environment criteria as soon as practicable after identifying that non-compliance or inconsistency Overall review after eighteen months and advise the Minister for the Environment as to whether the independent auditing should continue.	In Compliance	Independent Environmental Auditor appointed 17 June 2009. First audit report to CRG 11 February 2010. Second audit report to CRG 13 May 2010. Third audit report to CRG 9 December 2010. Review and recommendation to Minister 14 th April 2011. Fourth audit report to CRG 8 March 2012. Fifth audit report to CRG expected to occur 10 th May 2012.



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		community reference group any non-compliance of conditions or inconsistency with environment criteria as soon as practicable after identifying that non-compliance or inconsistency; and 6. carry out an overall review after eighteen months and advise the Minister for the Environment as to whether the independent auditing should continue.								
782:M5.4	Performance Review	Subject to the outcomes of the eighteen month review described in item 6 of condition 5-3, the proponent will continue to fund the independent environmental auditor after the initial period of eighteen months for such time as determined by the Minister for the Environment.	If required continue to fund the independent auditor to report 6 monthly to the CRG for such time as determined by the Minister for the Environment.	Environmental performance review reports. CRG Minutes.	Min for Env		Overall	Until determined by the Minister for Environment	In Compliance	Two additional audit periods required by the Minister in a letter from Minister dated 3 June 2011. Summary report and recommendation to the Minister for the Environment expected to be forwarded in May 2012.
782:M6.1	Dumping of Waste within five hundred metres of Residences	Prior to the dumping of waste within five hundred metres of residences, the proponent shall prepare and implement a management plan for waste dumping to ensure that there is no unacceptable detrimental effect on the residents, to the requirements of the Minister for the Environment on advice	Prepare and implement a management plan for waste dumping.	Waste dumping management plan. CR	Min for Env	DEC	Overall	Prior to the dumping of waste within five hundred metres of residences	In Compliance – no dumping of waste rock will occur within 500 m of any residence	Plan showing extent of waste dumping with 500 m buffer.



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		of the Department of Environment and Conservation.								
782:M6.2	Dumping of Waste within five hundred metres of Residences	In the preparation of the management plan for waste dumping required by condition 6-1, the proponent shall consult with residents within five hundred metres of the dumping of waste and the environmental health staff of the City of Kalgoorlie-Boulder.	Consult with environmental health staff of the City of Kalgoorlie-Boulder and residents within 500m of the waste dumping in preparation of waste dumping management plan.	Relevant records of consultation from environmental health staff of the City of Kalgoorlie-Boulder. Registered letters sent to residents and records of feedback received from residents.	Min for Env	Environmental health staff of the City of Kalgoorlie-Boulder	Overall	Prior to the dumping of waste within five hundred metres of residences	In Compliance – no dumping of waste rock occurring within 500 m of any residence	Plan showing extent of waste dumping with 500 m buffer.
782:M7.1	Air Quality	Within three months following the issuing of the notice to the decision-making authorities under section 45(7) of the Environmental Protection Act 1986, the proponent shall implement the Air Quality Management Plan (September 2007) to the requirements of the Minister for the Environment on advice of the Department of Environment and Conservation and the Department of Health.	Implement the Air Quality Management Plan (September 2007) within 3 months of the issuing of the notice to the decision-making authorities to the requirements of the Minister for the Environment on advice of the Department of Environment and Conservation and the Department of Health.	Relevant records of consultation from the Department of Environment and Conservation and the Department of Health.	Min for Env	DEC, DoH	Overall	Within three months following the issuing of the notice	Completed	Records of correspondence with DEC & Dept of Health
782:M7.2	Air Quality	The proponent shall review the Air Quality Management Plan referred to in condition 7-1 at twelve-monthly intervals, unless otherwise required by the Environmental Protection Authority, and shall amend the Plan to the requirements of the Minister for the Environment on advice	Annual review of the Air Quality Management Plan to the requirements of the Minister for the Environment on advice of the Department of Environment and Conservation and the Department of Health.	Relevant records of consultation from the Department of Environment and Conservation and the Department of Health.	Min for Env	DEC, DoH	Overall	Annually from the date published	In Compliance	Annual review completed and submitted 3 February 2012.



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		of the Department of Environment and Conservation and the Department of Health.								
782:M7.3	Air Quality	The proponent shall implement the amended Air Quality Management Plan required by condition 7-2.	Implement the amended Air Quality Management Plan at twelve monthly intervals or as otherwise required by the Environmental Protection Authority.	CR	Min for Env		Overall		In Compliance	Air Quality Management Plan implemented
782:M7.4	Air Quality	The proponent shall only detonate explosives at surface level on the premises when wind directions favour the carriage of dust away from the residential areas of Kalgoorlie-Boulder, unless undertaken in accordance with regulation 8.28 (4) of the Mines Safety and Inspection Regulations 1995.	Detonate explosives at surface level on the premises when wind directions favour the carriage of dust away from the residential areas of Kalgoorlie-Boulder, unless undertaken in accordance with regulation 8.28 (4) of the Mines Safety and Inspection Regulations 1995.	Sample email notification of wind dependent shots that were cancelled due to unfavorable winds. Air Quality Management Plan (Blasting Dust Management Plan). CR.	Min for Env		Overall		In Compliance	
782:M7.5	Air Quality	The proponent shall make available continuous dust monitoring data on their website within 24 hours of the recording of that data.	Continuous dust monitoring data is available on the KCGM website within 24 hours of the recording of that data.	Monitoring data available on website.	Min for Env		Overall	Within 24 hours of recording data.	In Compliance	Monitoring data available on the web page within 24 hours as required
782:M7.6	Air Quality	The proponent shall install two additional dust monitoring stations, which are to be co-located with the existing wind speed and wind direction monitoring stations.	Install two additional dust monitoring stations co-located with the existing wind speed and wind direction monitoring stations at MEX and MTC.	Installation and commissioning documents for new monitoring stations.	Min for Env		Overall		Completed	
782:M7.7	Air Quality	The proponent shall keep and make publicly available a register of complaints regarding air emissions; investigate those complaints; and keep a record of the	Keep and make publicly available a register of complaints regarding air emissions; investigate those complaints; and keep a record of the investigations and actions taken with regard to the	CR	Min for Env		Overall		In Compliance	Records sighted at KCGM Super Pit Shop, Boulder



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		investigations and actions taken with regard to the complaint.	complaint. All public feedback and complaints are recorded in the PIL system including all investigation and control measures implemented. PIL information is made publicly available through presentations at the Community Reference Group meetings and is available to the public upon request through the KCGM Super Pit Shop.							
782:M8.1	Noise	The proponent shall not conduct any mining activities forming part of the expanded and revised proposal unless and until approval has been granted under regulation 17(7) of the Environmental Protection (Noise) Regulations 1997. Note: In this condition “mining activities” does not include construction work within the meaning of regulation 13 of the Environmental Protection (Noise) Regulations 1997.	Do not conduct any mining activities forming part of the expanded and revised proposal unless and until approval has been granted under regulation 17(7) of the Environmental Protection (Noise) Regulations 1997.	<i>Environmental Protection (Fimiston Gold Mine Noise Emission Approval) 2009.</i>	Min for Env		Overall		In Compliance	Approval gazette 14 July 2009 and one appeal received. The appeal was determined by the Minister for the environment on 24 March 2010 and the appeal was dismissed.
782:M8.2	Noise	The proponent shall undertake noise modeling to determine whether a special control area is required in accordance with the Goldfields-Esperance Regional Planning Strategy.	Undertake noise modeling to determine whether a special control area is required in accordance with the Goldfields-Esperance Regional Planning Strategy.	Relevant records of consultation to the Department of Planning and Infrastructure and the City of Kalgoorlie-Boulder.	Min for Env		Overall		In Compliance	Records of consultation sighted
782:M8.3	Noise	The proponent shall consult with the Western Australian Planning Commission, Department of Planning	Consult with the Department of Planning and Infrastructure (on behalf of the Western Australian Planning Commission) and the City of	Relevant records of consultation from the Department of Planning and Infrastructure and the City of Kalgoorlie-	Min for Env	Western Australian Planning Commission, Department of	Overall		In Compliance	Records of consultation sighted (18 December 2009 and minutes of



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		and Infrastructure, and the City of Kalgoorlie-Boulder in the implementation of Condition 8-2.	Kalgoorlie-Boulder in the implementation of Condition 8-2.	Boulder.		Planning and Infrastructure, and the City of Kalgoorlie-Boulder				meeting held 24 July 2009.
782:M9.1	Airblast Overpressure and Vibration from Blasting	The proponent shall only detonate explosives on the premises between the hours of 0700 hours and 1800 hours unless undertaken in accordance with regulation 8.28 (4) of the Mines Safety and Inspection Regulations 1995.	Detonate explosives on the premises between the hours of 0700 hours and 1800 hours unless undertaken in accordance with regulation 8.28 (4) of the Mines Safety and Inspection Regulations 1995. Blast in accordance with the Fimiston Air Quality Management Plan.	Blast times are provided to the DEC in the Noise and Blast Monitoring Quarterly Reports.	Min for Env		Overall		In Compliance	Blast reports sighted.
782:M9.2	Airblast Overpressure and Vibration from Blasting	Where explosives are detonated on the premises outside the requirements specified in conditions 7-4 and 9-1, the circumstances which led to such detonation being necessary shall be reported by the proponent to the CEO within 36 hours following detonation.	Report to the CEO within 36 hours following detonation of explosives on the premises outside the requirements specified in 7-4 and 9-1 including the circumstances which led to such detonation being necessary.	Reports to CEO of any blasts outside of hours 0700 hours and 1800 hours	DEC		Overall	Within 36 hours following detonation.	In Compliance	No blasts outside the permitted hours recorded or reported.
782:M9.3	Airblast Overpressure and Vibration from Blasting	The proponent shall ensure that all airblast overpressure levels due to blasting comply with Regulation 11 of the Environmental Protection (Noise) Regulations 1997.	Blast in accordance with the Noise and Vibration Monitoring and Management Programme to ensure that all airblast overpressure levels due to blasting comply with Regulation 11 of the Environmental Protection (Noise) Regulations 1997.	Blast data are provided to the DEC in the Noise and Blast Monitoring Quarterly Reports.	Min for Env		Overall		In Compliance	Blast data quarterly reports sighted
782:M9.4	Airblast Overpressure and Vibration from Blasting	The proponent shall make all reasonable effort to avoid blasting on Sundays.	Blast in accordance with the Noise and Vibration Monitoring and Management Programme and make all reasonable effort to avoid blasting on Sundays.	Noise and Vibration Monitoring and Management Programme. Blast dates are provided in the Noise and Blast Monitoring Quarterly Reports.	Min for Env		Overall		In Compliance	Blast data quarterly reports sighted
782:M9.5	Airblast Overpressure	For all blasting, the proponent shall comply	Blast in accordance with the Noise and Vibration	Blast data are provided to the DEC in the Noise and	Min for Env		Overall		In Compliance	Blast data quarterly reports



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	and Vibration from Blasting	with the following vibration limits, measured or calculated in accordance with section J4.2 of Australian Standard 2187.2 2006, for the protection of human comfort at any houses and low rise buildings, theatres, schools and other similar buildings occupied by people and not owned by the proponent: 1. the peak particle velocity shall not exceed 5 millimetres per second for 90% of blasts per year; 2. the peak particle velocity shall not exceed 10 millimetres per second for any blast; and 3. no more than one in ten consecutive blasts shall exceed 5 millimetres per second peak particle velocity.	Monitoring and Management Programme to comply with the following vibration limits, measured or calculated in accordance with section J4.2 of Australian Standard 2187.2 2006 for the protection of human comfort at any houses and low rise buildings, theatres, schools and other similar buildings occupied by people and not owned by the proponent: 1. the peak particle velocity shall not exceed 5 millimetres per second for 90% of blasts per year; 2. the peak particle velocity shall not exceed 10 millimetres per second for any blast; and 3. no more than one in ten consecutive blasts shall exceed 5 millimetres per second peak particle velocity.	Blast Monitoring Quarterly Reports. Noise and Vibration Monitoring and Management Programme.						sighted.
782:M9.6	Airblast Overpressure and Vibration from Blasting	Within six months following the issuing of the notice to the decision-making authorities under section 45(7) of the Environmental Protection Act 1986, the proponent shall revise the Revised Noise and Vibration Monitoring and Management Programme, dated June 2004, to the requirements of the Minister for the Environment on advice of the Department of Environment and	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	Noise and Vibration Monitoring and Management Programme. Letter of acceptance from the DEC.	Min for Env		Overall	Within six months following the issuing of the notice	In Compliance	Following Ministerial Determination of the appeal against the Regulation 17 Noise Assessment, the revised NVMMP was approved by the DEC 6 December 2010.



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		Conservation.	Standard 2187.2-2006; 3. Calibration by an approved calibration laboratory and field checks of the monitoring equipment in accordance with schedule 4 of the Environmental Protection (Noise) Regulations 1997 and the manufacturer's specifications and section J3.1.2 of Australian Standard 2187.2 - 2006 (or any subsequent amendment) and recording of calibration; 4. Procedures for the recording of blast information in accordance with section J3.4 of Australian Standard 2187.2-2006; 5. Procedures for the reporting of air blast and vibration monitoring to the Department of Environment and Conservation; and 6. Details of a complaints procedure and recording of complaints and action undertaken to resolve complaints.							
782:M9.7	Airblast Overpressure and Vibration from Blasting	The proponent shall implement the Revised Noise and Vibration Monitoring and Management Programme required by condition 9-6.	Implement the Revised Noise and Vibration Monitoring and Management Programme within six months following the issuing of the notice.	CR.	Min for Env		Overall		Completed	Implemented from December 2010.
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	Review the Revised Noise and Vibration Monitoring and Management Programme 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.	Letters of request from the EPA and letters of advice from the DEC.	Min for Env	DEC	Overall	As required by the Environmental Protection Authority	N/A	N/A – no requests for review from the EPA.



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		Minister for the Environment on advice of the Department of Environment and Conservation.								
782:M9.9	Airblast Overpressure and Vibration from Blasting	The proponent shall implement the amended Revised Noise and Vibration Monitoring and Management Programme required by condition 9-8.	Implement the amended Revised Noise and Vibration Monitoring and Management Programme as required.	CR	Min for Env		Overall		N/A	N/A
782:M10.1	Set-back for Mining Activities	The proponent shall not undertake active mining operations within 400 metres of a property zoned "Residential" under the Town Planning Scheme without the written consent of the owner and occupier of that property.	Obtain written consent from the owners and occupiers of all property zoned "Residential" under the Town Planning Scheme within 400 metres of active mining.	Letters of consent from owner/occupiers of residential property.	Min for Env		Overall		Completed	Active mining commenced during audit period – signed letters of consent from all owners/occupiers sighted..
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,	Liaise with the Heritage Council of Western Australia to minimise environment impacts associated with active mining, on State Registered Places know as the Boulder Railway Station, Subway and Loopline, and Cornwall Hotel.	Relevant records of consultation from the Heritage Council of Western Australia regarding the Boulder Railway Station, Subway and Loopline, and Cornwall Hotel.	Min for Env	Heritage Council of Western Australia	Overall		In Compliance	Active mining commenced during audit period.



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		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								
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		maintenance of a mine and plant at the mine undertaken during any period when production or development operations at the mine are suspended; 9. operations undertaken to leave a mine safe to be abandoned; and 10. underground mining.								
782:M11.1	Rehabilitation and Closure Management Plan	Prior to 30 April 2010, the proponent shall prepare a Rehabilitation and Closure Management Plan to the requirements of the Minister for Environment and the Minister for Mines and Petroleum on advice of the Environmental Protection Authority and shall submit the Plan to the Department of Environment and Conservation.	This Plan shall include: 1. the final form of land forms and voids; 2. the proposed land use for the mine site post-mining operations determined after consultation with relevant stakeholders; 3. removal or, if appropriate, retention of plant and infrastructure in consultation with relevant stakeholders; 4. long-term management of ground and surface water systems affected by mining operations; 5. long-term management of potential acid-generating material; 6. long-term management of pits, including the Superpit and public safety provisions; 7. long-term management of tailings storage facilities; 8. a detailed Rehabilitation and Revegetation program which includes local vegetation, performance criteria and a timetable to be met; 9. identification of contaminated areas, including provision of evidence of notification and proposed management measures to relevant statutory authorities; 10. post-closure maintenance and monitoring; 11. re-instatement/retention of historically significant	Rehabilitation and Closure Management Plan.	Min for Env, Min for Mines and Petroleum	EPA	Overall	Prior to 30 April 2010	Completed	Rehabilitation and Closure Plan submitted 21 April 2010



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			structures; 12. a contingency plan for a care and maintenance phase; and 13. long-term management, of vegetation significant to adjacent ethnographic sites;							
782:M11.2	Rehabilitation and Closure Management Plan	In the preparation of the Rehabilitation and Closure Management Plan required by condition 11-1, the proponent shall meet the requirements of the following agencies: 1. Department of Mines and Petroleum regarding items 1-3, 5-10, and 12 of condition 11-1; 2. Department of Environment and Conservation regarding items 4, 8, 9 and 10 of condition 11-1; 3. Department of Planning and Infrastructure, Western Australian Planning Commission and City of Kalgoorlie-Boulder regarding item 1, 2, 3 and 9 of condition 11-1. 4. Department of Water regarding item 4 of condition 11-1; and 5. Registrar of Aboriginal Sites regarding item 13 of condition 11-1.	Meet the requirements of the following agencies in preparation of the Rehabilitation and Closure Management Plan.: 1. Department of Mines and Petroleum regarding items 1-3, 5-10, and 12 of condition 11-1; 2. Department of Environment and Conservation regarding items 4, 8, 9 and 10 of condition 11-1; 3. Department of Planning and Infrastructure, Western Australian Planning Commission and City of Kalgoorlie-Boulder regarding item 1, 2, 3 and 9 of condition 11-1. 4. Department of Water regarding item 4 of condition 11-1; and 5. Registrar of Aboriginal Sites regarding item 13 of condition 11-1.	Relevant records of consultation and satisfaction from the Department of Mines and Petroleum, Department of Environment and Conservation, Department of Planning and Infrastructure, Western Australian Planning Commission, City of Kalgoorlie-Boulder, Department of Water and Registrar of Aboriginal Sites on the relevant sections of the Closure Management Plan.	Min for Env	DMP, DEC, DPI, WAPC, City of Kalgoorlie-Boulder, DoW and Registrar of Aboriginal Sites	Overall		Completed	Rehabilitation and Closure Plan reviewed by statutory authorities. Responses received from OEPA (8 July 2010), DEC (21 June 2010), DoP (17 November 2010), DIA (November 2010), DoW (15 December 2010) and DMP (undated 2010).
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	Review the Rehabilitation and Closure Management Plan every two years and amend the Plan as required in consultation with the agencies referred to in condition 11-2, to the requirements of the Minister for the Environment on advice of the relevant agencies indicated in condition	Biennial Reviews of the Rehabilitation and Closure Management Plan. Relevant records of consultation from the relevant agencies on the Rehabilitation and Closure Management Plan.	Min for Env	DMP, DEC, DPI, WAPC, City of Kalgoorlie-Boulder, DoW and Registrar of Aboriginal Sites	Overall	Every 2 years from the date published	Not applicable to this audit period.	N/A



AUDIT TABLE

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		condition 11-2, to the requirements of the Minister for the Environment on advice of the relevant agencies indicated in condition 11-2.	11-2.							
782:M11.4	Rehabilitation and Closure Management Plan	The proponent shall implement the amended Rehabilitation and Closure Management Plan required by condition 11-3 until such time as the Minister for the Environment determines that the proponent's closure responsibilities have been fulfilled. Note: The Department of Mines and Petroleum shall be the lead agency for coordinating the Rehabilitation and Closure process, with certain items of the Plan being administered by the appropriate agency as follows: 1. Department of Mines and Petroleum for items 1-3, 5-10, and 12 of condition 11—1; 2. Department of Environment and Conservation for items 4, 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 Rehabilitation and Closure Management Plan required by condition 11-3 until such time as the Minister for the Environment determines that the closure responsibilities have been fulfilled.	CR	Min for Env	DMP, DEC, DPI, WAPC, City of Kalgoorlie-Boulder, DoW and Registrar of Aboriginal Sites	Overall	Until determined by the Minister for the Environment	Not required at this stage	N/A
782:M11.5	Rehabilitation and Closure Management Plan	The proponent shall make the Rehabilitation and Closure Management Plan	Make the Rehabilitation and Closure Management Plan required by condition 11-1 and subsequent revisions required	Rehabilitation and Closure Management Plan including revisions available on the website.	DEC		Overall	Within 2 weeks of submission to DEC	Required by 30 th April 2012	N/A



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		required by condition 11-1 and subsequent revisions required by condition 11-3 publicly available in a manner approved by the CEO.	by condition 11-3 publicly available on the KCGM website www.superpit.com.au							
782:M12.1	Aboriginal Heritage	Prior to commencement of proposed works, the proponent shall submit an Aboriginal Cultural Heritage Management Plan that meets the objectives specified in Condition 12-3 as determined by the Minister for Indigenous Affairs.	Submit an Aboriginal Cultural Heritage Management Plan that meets the objectives specified in Condition 12-3 as determined by the Minister for Indigenous Affairs prior to the commencement of proposed works.	Relevant records of consultation and satisfaction from the Department of Indigenous Affairs on the Cultural Heritage Management Plan.	Department of Indigenous Affairs	Department of Indigenous Affairs	Design	Prior to commencement of proposed works	In Compliance	Aboriginal Cultural Heritage Management Plan submitted to the DIA on 29 December 2009. Plan accepted by DIA 9 February 2010.
782:M12.2	Aboriginal Heritage	The proponent shall consult with the Department of Indigenous Affairs in the preparation of the Plan.	Consult with the Department of Indigenous Affairs in the preparation of the Plan	Relevant records of consultation from the Department of Indigenous Affairs on the Cultural Heritage Management Plan.	Department of Indigenous Affairs	Department of Indigenous Affairs	Design	Prior to commencement of proposed works	In Compliance	Meeting held with DIA 26 November 2009.
782:M12.3	Aboriginal Heritage	The Plan shall include protocols and procedures for appropriate management of any Aboriginal sites or skeletal remains identified during the proposed works.	Include protocols and procedures for appropriate management of any Aboriginal sites or skeletal remains identified during the proposed works in the Aboriginal Cultural Heritage Management Plan.	Cultural Heritage Management Plan.	Department of Indigenous Affairs		Design	Prior to commencement of proposed works	In Compliance	Contained in the ACHMP Sections 5.0 and 6.0.
782:M12.4	Aboriginal Heritage	The proponent shall implement the Aboriginal Cultural Heritage Management Plan.	Implement the Aboriginal Cultural Heritage Management Plan.	CR.	Department of Indigenous Affairs		Overall		In Compliance	Plan being implemented.

Note:

“N/A” within the Compliance status column refers to items that have not yet commenced or are not applicable at this stage.
Terms used in the “Compliance Status” column have been used as described in DEC (2007).