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Published 29 January 2009

Statement No. 782

**STATEMENT THAT A REVISED PROPOSAL MAY BE IMPLEMENTED
(PURSUANT TO THE PROVISIONS OF THE
ENVIRONMENTAL PROTECTION ACT 1986)**

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

Proposal: The continuation of mining operations at the Fimiston site, and expansion and deepening of the Superpit to 600 metres via the Golden Pike Cutback. Additional waste dumps will be created to the north of the pit to contain 140 million tonnes of waste rock. The Fimiston I and II tailings storage facilities and/or the Kaltails tailings storage facility will be expanded to contain the additional tailings.

Proponent: Kalgoorlie Consolidated Gold Mines Pty Ltd

Proponent Address: Private Mail Bag 27, KALGOORLIE WA 6433

Assessment Number: 1581

Previous Assessment Number: 248

Previous Statement Number: 188

Report of the Environmental Protection Authority: Bulletin 1273

Previous Reports of the Environmental Protection Authority: Bulletins 539; 1270

Minister's appeal determination: 158 to 206 of 2007

The revised proposal to which the above reports of the Environmental Protection Authority relate may be implemented by the proponent subject to the following conditions and procedures. Where the conditions of this statement are in conflict with the conditions of Statement No. 188, these conditions shall prevail.

1 Proposal Implementation

1-1 The proponent shall implement the proposal as documented and described in schedule 1 of this statement subject to the conditions and procedures of this statement.

2 Proponent Nomination and Contact Details

2-1 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.

2-2 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.

3 Time Limit of Authorisation

3-1 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.

3-2 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.

4 Compliance Reporting

4-1 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.

4-2 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.

4-3 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.

4-4 The proponent shall make the environmental compliance reports required by condition 4-1 publicly available in a manner approved by the CEO.

5 Performance Review

5-1 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 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.

5-2 The proponent shall make the Performance Review reports required by condition 5-1 publicly available in a manner approved by the CEO.

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 attributable to the proponent;
3. report on consistency with the noise criteria set through the Regulation 17 approval process;
4. report on compliance with conditions set in the licence and performance against environmental criteria set by the licence;
5. report six monthly to the community reference group any non-compliance of conditions or inconsistency with environment criteria as soon as practicable after identifying that non-compliance or inconsistency; and
6. carry out an overall review after eighteen months and advise the Minister for 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.

6 Dumping of Waste within five hundred metres of Residences

6-1 Prior to the dumping of waste within five hundred metres of residences, the proponent shall prepare and implement a management plan for waste dumping to ensure that there is no unacceptable detrimental effect on the residents, to the requirements of the Minister for the Environment on advice of the Department of Environment and Conservation.

6-2 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.

7 Air Quality

7-1 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.

- 7-2 The proponent shall review the Air Quality Management Plan referred to in condition 7-1 at twelve-monthly intervals, unless otherwise required by the Environmental Protection Authority, and shall amend the Plan to the requirements of the Minister for the Environment on advice of the Department of Environment and Conservation and the Department of Health.
- 7-3 The proponent shall implement the amended Air Quality Management Plan required by condition 7-2.
- 7-4 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*.
- 7-5 The proponent shall make available continuous dust monitoring data on their website within 24 hours of the recording of that data.
- 7-6 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.
- 7-7 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.

8 Noise

- 8-1 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*.

- 8-2 The proponent shall undertake noise modelling to determine whether a special control area is required in accordance with the Goldfields-Esperance Regional Planning Strategy.
- 8-3 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.

9 Airblast Overpressure and Vibration from Blasting

- 9-1 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*.
- 9-2 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.

- 9-3 The proponent shall ensure that all airblast overpressure levels due to blasting comply with Regulation 11 of the *Environmental Protection (Noise) Regulations 1997*.
- 9-4 The proponent shall make all reasonable effort to avoid blasting on Sundays.
- 9-5 For all blasting, the proponent shall comply with the following vibration limits, measured or calculated in accordance with section J4.2 of Australian Standard 2187.2 – 2006, for the protection of human comfort at any houses and low rise buildings, theatres, schools and other similar buildings occupied by people and not owned by the proponent:
1. the peak particle velocity shall not exceed 5 millimetres per second for 90% of blasts per year;
 2. the peak particle velocity shall not exceed 10 millimetres per second for any blast; and
 3. no more than one in ten consecutive blasts shall exceed 5 millimetres per second peak particle velocity.
- 9-6 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 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.

9-7 The proponent shall implement the Revised Noise and Vibration Monitoring and Management Programme required by condition 9-6.

9-8 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.

9-9 The proponent shall implement the amended Revised Noise and Vibration Monitoring and Management Programme required by condition 9-8.

10 Set-back for Mining Activities

10-1 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.

10-2 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.

11 Rehabilitation and Closure Management Plan

11-1 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 structures;
12. a contingency plan for a care and maintenance phase; and
13. long-term management of vegetation significant to adjacent ethnographic sites.

11-2 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.

11-3 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.

11-4 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 co-ordinating 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.

- 11-5 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.

12 Aboriginal Heritage

- 12-1 Prior to commencement of proposed works, the proponent shall submit an Aboriginal Cultural Heritage Management Plan that meets the objectives specified in of Condition 12-3 as determined by the Minister for Indigenous Affairs.
- 12-2 The proponent shall consult with the Department of Indigenous Affairs in the preparation of the Plan.
- 12-3 The Plan shall include protocols and procedures for appropriate management of any Aboriginal sites or skeletal remains identified during the proposed works.
- 12-4 The proponent shall implement the Aboriginal Cultural Heritage Management Plan.

Notes

1. Where a condition states "on advice of the Environmental Protection Authority", the Environmental Protection Authority will provide that advice to the Department of Environment and Conservation for the preparation of written notice to the proponent.
2. The Environmental Protection Authority may seek advice from other agencies or organisations, as required, in order to provide its advice to the Department of Environment and Conservation.
3. The Minister for the Environment will determine any dispute between the proponent and the Environmental Protection Authority or the Department of Environment and Conservation over the fulfilment of the requirements of the conditions.
4. The proponent is required to apply for a Works Approval and Licence for this project under the provisions of Part V of the *Environmental Protection Act 1986*.

JOHN DAY
ACTING MINISTER FOR ENVIRONMENT;
YOUTH

Schedule 1**FIMISTON GOLD MINE OPERATIONS EXTENSION (STAGE 3) AND MINE CLOSURE PLANNING (Assessment No. 1581)****General Description**

The project is a cutback, the Golden Pike Cutback, along a section of the western edge of the existing Fimiston Open Pit in addition to already approved mining operations on the Fimiston site. The cutback will allow for the widening and deepening of the pit to 600 metres. Waste rock from the cutback will be accommodated in two new waste rock dumps to the north of the pit and west of the Fimiston I tailings storage facility.

Additional tailings from the expanded project will be managed in one of two ways. Option 1 is to increase the heights of Fimiston I and II tailings storage facilities from the conditionally approved heights of 40 and 45 metres, respectively, to 50 and 60 metres, respectively. Option 2 is to recommission the old Kaltails tailings storage facility and raise its height from 25 to 45 metres.

The proposal is described in the documents *Fimiston Gold Mine Operations Extension (Stage 3) and Mine Closure Planning: Public Environmental Review, September 2006*, including modifications made during the assessment described in Bulletin No. 1273, and in *Consultative Environmental Review Mine and Waste Dumps – Fimiston, August 1990*. Where the earlier document is inconsistent with the later document, the later document will prevail.

Summary Description

A summary of the key proposal characteristics is presented in Table 1.

Table 1 – Summary of the Key Proposal Characteristics.

| Element | Description |
|---------------------------------------|---|
| General | |
| Project Life (Open Pit) | to approximately 2017 |
| Mining Production Rate | approximately 89 million tonnes per annum |
| Milling Production Rate | approximately 13.5 million tonnes per annum |
| Fimiston Open Pit | |
| Area | approximately 346 hectares |
| Final pit depth | approximately 600 metres |
| Remaining Waste Movement | |
| Southern and Eastern waste rock dumps | approximately 580 - 760 million tonnes depending on back-fill |
| Southern pit back-fill | approximately 140 million tonnes if resource not sterilised |
| Northern pit back-fill | approximately 40 million tonnes if resource not sterilised |
| Northern waste rock dumps | approximately 140 million tonnes occupying 115 hectares |
| Tailings Storage | |

| Element | Description |
|--------------------------------|---|
| Facilities | |
| Option 1 | |
| Fimiston I | proposed height 50 metres (1) |
| Fimiston II | proposed height 60 metres (1) |
| Option 2 | |
| Fimiston I | proposed height 40 metres (1) |
| Fimiston II | proposed height 45 metres (1) |
| Kaltails | increase in height from 25 to 45 metres |
| Water Consumption | |
| Potable | approximately 1460 megalitres per year |
| Non-potable | approximately 10715 megalitres per year |
| Greenhouse Gas Emission | |
| | approximately 440 800 tonnes of carbon dioxide equivalent |

Notes

1. Subject to further approvals through Part V of the *Environmental Protection Act 1986*.

Figure

Figure 1 - Plan View of Project.

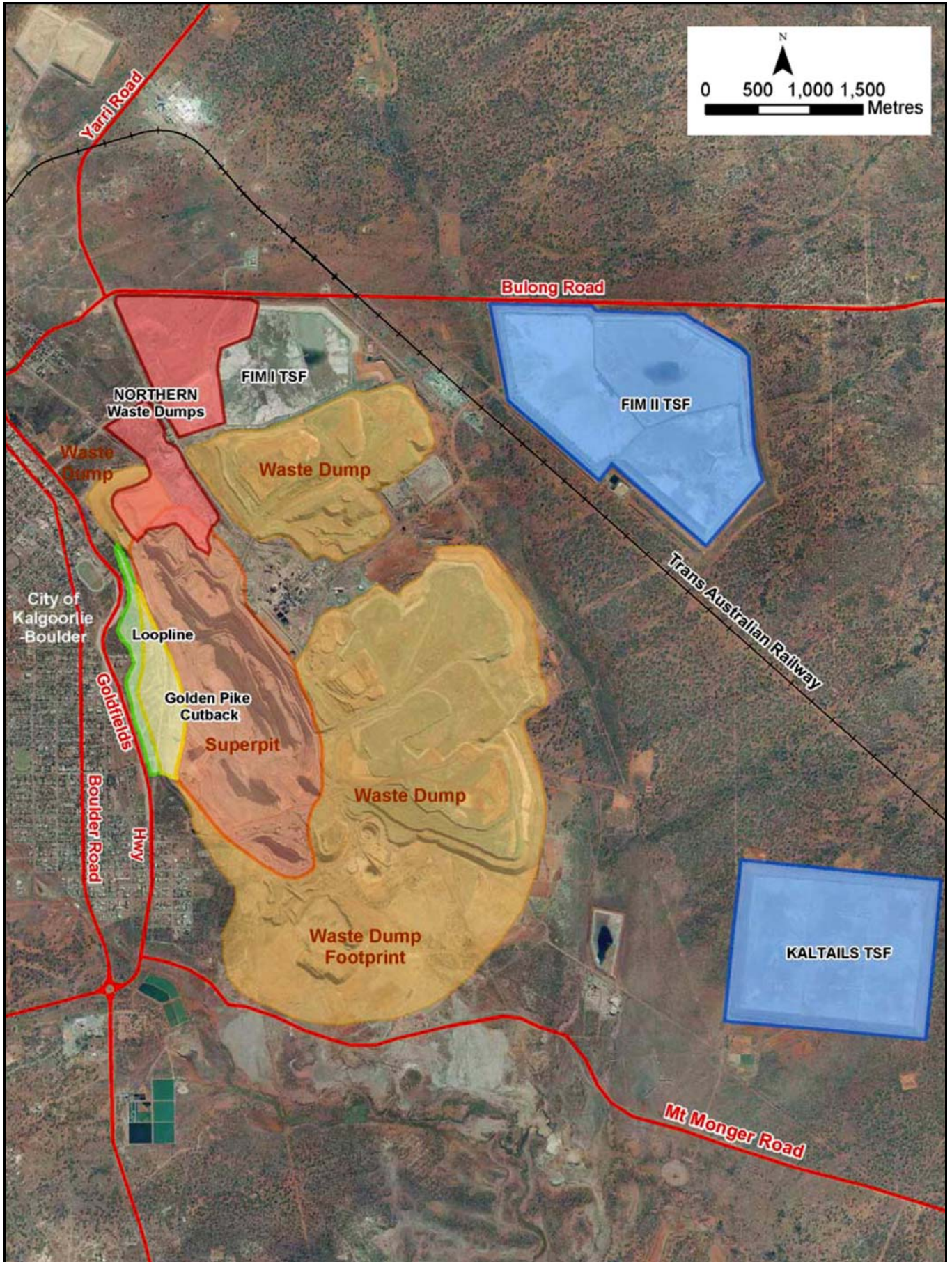


Figure 1: Plan View of Project

Attachment 1 to Statement 782

Change to Proposal

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

Proponent: Kalgoorlie Consolidated Gold Mines Pty Ltd

Change: Clearing for Kaltails tailings storage facility, contingency clearing for infrastructure post Kaltails recommissioning, and inclusion of hydrogen peroxide dosing facility.

Key Characteristics Table:

| Element | Description of proposal | Description of approved change to proposal |
|---------------------------------------|---|---|
| General | | |
| Project Life (Open Pit) | to approximately 2017 | to approximately 2017 |
| Mining Production Rate | approximately 89 million tonnes per annum | approximately 89 million tonnes per annum |
| Milling Production Rate | approximately 13.5 million tonnes per annum | approximately 13.5 million tonnes per annum |
| Fimiston Open Pit | | |
| Area | approximately 346 hectares | approximately 346 hectares |
| Final pit depth | approximately 600 metres | approximately 600 metres |
| Remaining Waste Movement | | |
| Southern and Eastern waste rock dumps | approximately 580-760 million tonnes depending on back-fill | approximately 580-760 million tonnes depending on back-fill |
| Southern pit back-fill | approximately 140 million tonnes if resource not sterilised | approximately 140 million tonnes if resource not sterilised |
| Northern pit backfill | approximately 40 million tonnes if resource not sterilised | approximately 40 million tonnes if resource not sterilised |
| Northern waste rock dumps | approximately 140 million tonnes occupying 115 hectares | approximately 140 million tonnes occupying 115 hectares |
| Tailings Storage Facilities | | |
| Option 1 | | |
| Fimiston I | Proposed height 50 metres (1) | Proposed height 50 metres (1) |
| Fimiston II | Proposed height 60 metres (1) | Proposed height 60 metres (1) |
| Option 2 | | |
| Fimiston I | Proposed height 40 metres (1) | Proposed height 40 metres (1) |
| Fimiston II | Proposed height 45 metres (1) | Proposed height 45 metres (1) |

| | | |
|--------------------------------|--|--|
| Kaltails | Increase in height from 25 to 45 metres | Increase in height from 25 to 45 metres 10.2ha of ground clearing as a result of recommissioning the Kaltails TSF (see Figure 2) A contingency of 10ha for ground clearing activities involved with management of the Kaltails TSF after recommissioning, including monitoring bores and other infrastructure as required. |
| | | Hydrogen peroxide dosage facility |
| Water Consumption | | |
| Potable | Approximately 1460 megalitres per year | Approximately 1460 megalitres per year |
| Non-potable | Approximately 10715 megalitres per year | Approximately 10715 megalitres per year |
| Greenhouse Gas Emission | | |
| | Approximately 440800 tonnes of carbon dioxide equivalent | Approximately 440800 tonnes of carbon dioxide equivalent |

Notes

1. Subject to further approvals through Part V of the *Environmental Protection Act 1986*.

List of Figures:

Figure 2: Kaltails Location Relative to Fimiston Operations

Dr Paul Vogel
CHAIRMAN
Environmental Protection Authority
under delegated authority

6 September 2010

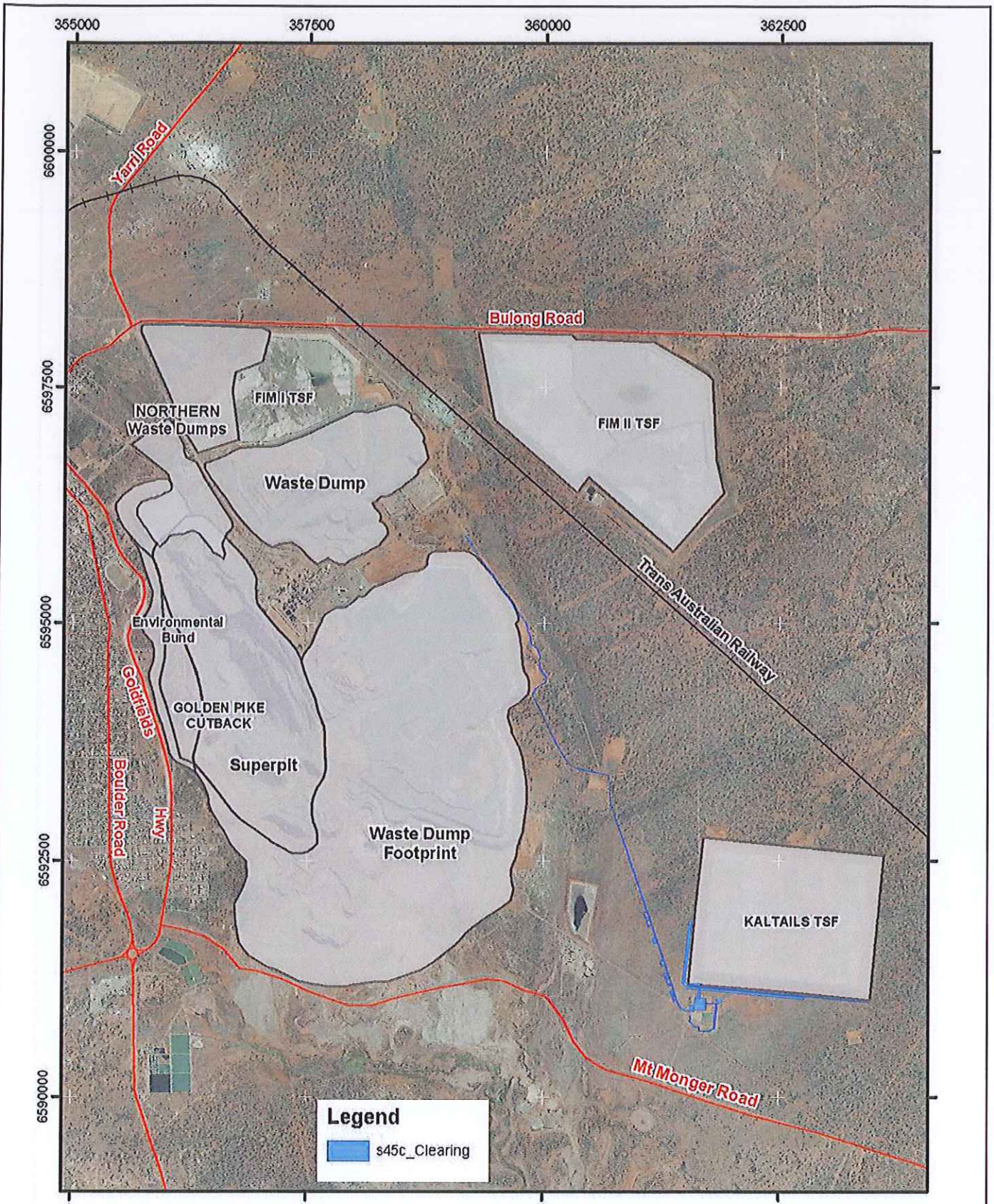


Figure 2
Kaltails Location Relative to Fimiston Operations

Client: KCGM

ENVIRON

Project: Section 45C Application -
 Clearing for Kaltails Tailings Storage
 Facility

Source: KCGM

Date:
 29/06/10

ATTACHMENT 2 TO MINISTERIAL STATEMENT 782

Section 46C
Environmental Protection Act 1986

NOTICE OF CHANGES TO IMPLEMENTATION CONDITIONS MINISTERIAL STATEMENT 782

FIMISTON GOLD MINE OPERATIONS EXTENSION (STAGE 3) AND MINE CLOSURE PLANNING

Pursuant to sections 46C(1)(a) and 46C(1)(b)(i) of the *Environmental Protection Act 1986*, the implementation conditions applying to the above proposal are changed in accordance with this Notice. I consider these changes to be of a minor nature and desirable in order to standardise the implementation conditions applying to different proposals.

[Signed 23 July 2013]

ALBERT JACOB MLA
MINISTER FOR ENVIRONMENT; HERITAGE

1. Condition 11-3 is deleted, and replaced with:

11-3 The proponent shall review the Rehabilitation and Closure Management Plan required by condition 11-1 every three years, and shall amend the Plan as required in consultation with the agencies referred to in condition 11-2, to the requirements of the CEO on advice of the relevant agencies indicated in condition 11-2.

Figure 1: Location of the Mine Development Envelope, open pit and environmental noise bund for the Fimiston Gold Mine Operations.

*Tenements not held by the proponent ±agreements with tenement holders required for surface infrastructure development.

Table 3: Project Co-ordinates of the Mine Development Envelope for the Fimiston Gold Mine Operations

All coordinates are in metres, listed in Map Grid of Australia Zone 51 (MGA Zone 51), Geocentric Datum of Australia 1994 (GDA94).

| Coord_No | Easting (MGA51) | Northing (MGA51) | Coord_No | Easting (MGA51) | Northing (MGA51) |
|----------|-----------------|------------------|----------|-----------------|------------------|
| 1 | 355547 | 6598373 | 46 | 355429 | 6595701 |
| 2 | 362377 | 6598232 | 47 | 355430 | 6595788 |
| 3 | 362428 | 6595838 | 48 | 355454 | 6595909 |
| 4 | 361900 | 6595270 | 49 | 355335 | 6596225 |
| 5 | 361890 | 6593186 | 50 | 355138 | 6596459 |
| 6 | 363475 | 6593013 | 51 | 355579 | 6596895 |
| 7 | 364465 | 6592139 | 52 | 356045 | 6597238 |
| 8 | 364386 | 6590527 | | | |
| 9 | 363400 | 6590536 | | | |
| 10 | 362193 | 6590580 | | | |
| 11 | 361491 | 6590680 | | | |
| 12 | 361482 | 6590552 | | | |
| 13 | 361048 | 6590233 | | | |
| 14 | 360740 | 6590345 | | | |
| 15 | 360411 | 6590559 | | | |
| 16 | 360231 | 6590954 | | | |
| 17 | 360111 | 6591094 | | | |
| 18 | 359418 | 6591210 | | | |
| 19 | 359441 | 6591291 | | | |
| 20 | 359362 | 6591291 | | | |
| 21 | 359010 | 6591217 | | | |
| 22 | 358220 | 6591026 | | | |
| 23 | 358066 | 6590995 | | | |
| 24 | 357950 | 6590995 | | | |
| 25 | 357841 | 6591012 | | | |
| 26 | 357304 | 6591229 | | | |
| 27 | 356809 | 6591442 | | | |
| 28 | 356715 | 6591525 | | | |
| 29 | 356639 | 6591907 | | | |
| 30 | 356469 | 6592663 | | | |
| 31 | 356346 | 6592809 | | | |
| 32 | 356267 | 6592922 | | | |
| 33 | 356208 | 6592999 | | | |
| 34 | 356051 | 6593184 | | | |
| 35 | 355905 | 6593406 | | | |
| 36 | 355875 | 6593590 | | | |
| 37 | 355891 | 6593751 | | | |
| 38 | 355932 | 6593878 | | | |
| 39 | 355761 | 6594446 | | | |
| 40 | 355752 | 6594722 | | | |
| 41 | 355692 | 6594884 | | | |
| 42 | 355625 | 6594969 | | | |
| 43 | 355611 | 6595007 | | | |
| 44 | 355547 | 6595213 | | | |
| 45 | 355476 | 6595475 | | | |

Table 4: Project Co-ordinates of the environmental noise bund

| Coord_No | Easting (MGA51) | Northing (MGA51) | Coord_No | Easting (MGA51) | Northing (MGA51) |
|-----------------|------------------------|-------------------------|-----------------|------------------------|-------------------------|
| 1 | 357102 | 6591365 | 52 | 355807 | 6595327 |
| 2 | 357055 | 6591348 | 53 | 355800 | 6595381 |
| 3 | 356953 | 6591391 | 54 | 355722 | 6595541 |
| 4 | 356875 | 6591426 | 55 | 355666 | 6595631 |
| 5 | 356803 | 6591466 | 56 | 355643 | 6595747 |
| 6 | 356780 | 6591500 | 57 | 355635 | 6595850 |
| 7 | 356754 | 6591554 | 58 | 355599 | 6595917 |
| 8 | 356729 | 6591649 | 59 | 355438 | 6596096 |
| 9 | 356715 | 6591823 | 60 | 355398 | 6596208 |
| 10 | 356710 | 6591912 | 61 | 355408 | 6596275 |
| 11 | 356710 | 6591988 | 62 | 355472 | 6596353 |
| 12 | 356721 | 6592079 | 63 | 355534 | 6596426 |
| 13 | 356748 | 6592172 | 64 | 355605 | 6596468 |
| 14 | 356767 | 6592271 | 65 | 355671 | 6596490 |
| 15 | 356774 | 6592388 | 66 | 355784 | 6596526 |
| 16 | 356756 | 6592477 | 67 | 355877 | 6596546 |
| 17 | 356726 | 6592529 | 68 | 355936 | 6596568 |
| 18 | 356668 | 6592602 | 69 | 355972 | 6596537 |
| 19 | 356542 | 6592776 | 70 | 356002 | 6596510 |
| 20 | 356458 | 6592915 | 71 | 356034 | 6596477 |
| 21 | 356419 | 6592966 | 72 | 356046 | 6596448 |
| 22 | 356394 | 6592994 | 73 | 356046 | 6596413 |
| 23 | 356377 | 6593027 | 74 | 356018 | 6596390 |
| 24 | 356363 | 6593076 | 75 | 355989 | 6596379 |
| 25 | 356348 | 6593152 | 76 | 355953 | 6596362 |
| 26 | 356323 | 6593222 | 77 | 355906 | 6596335 |
| 27 | 356296 | 6593266 | 78 | 355858 | 6596325 |
| 28 | 356252 | 6593331 | 79 | 355827 | 6596321 |
| 29 | 356170 | 6593411 | 80 | 355753 | 6596297 |
| 30 | 356126 | 6593490 | 81 | 355719 | 6596277 |
| 31 | 356091 | 6593561 | 82 | 355687 | 6596238 |
| 32 | 356077 | 6593628 | 83 | 355671 | 6596196 |
| 33 | 356041 | 6593675 | 84 | 355674 | 6596152 |
| 34 | 356013 | 6593717 | 85 | 355696 | 6596104 |
| 35 | 355972 | 6593872 | 86 | 355730 | 6596043 |
| 36 | 355905 | 6594055 | 87 | 355749 | 6596020 |
| 37 | 355859 | 6594248 | 88 | 355772 | 6595992 |
| 38 | 355828 | 6594445 | 89 | 355803 | 6595945 |
| 39 | 355837 | 6594509 | 90 | 355843 | 6595893 |
| 40 | 355863 | 6594599 | 91 | 355891 | 6595835 |
| 41 | 355876 | 6594666 | 92 | 355876 | 6595806 |
| 42 | 355880 | 6594711 | 93 | 355863 | 6595781 |
| 43 | 355861 | 6594781 | 94 | 355849 | 6595755 |
| 44 | 355825 | 6594820 | 95 | 355849 | 6595735 |
| 45 | 355791 | 6594875 | 96 | 355849 | 6595621 |
| 46 | 355769 | 6594926 | 97 | 355857 | 6595595 |
| 47 | 355757 | 6594995 | 98 | 355904 | 6595446 |
| 48 | 355758 | 6595076 | 99 | 355912 | 6595422 |
| 49 | 355774 | 6595130 | 100 | 355927 | 6595376 |
| 50 | 355791 | 6595168 | 101 | 355972 | 6595241 |
| 51 | 355804 | 6595234 | 102 | 355975 | 6595233 |
| 52 | 355807 | 6595327 | | | |

| Coord_No | Easting (MGA51) | Northing (MGA51) |
|----------|-----------------|------------------|
| 103 | 356011 | 6595137 |
| 104 | 356054 | 6595020 |
| 105 | 356054 | 6595007 |
| 106 | 356053 | 6594987 |
| 107 | 356051 | 6594942 |
| 108 | 356049 | 6594885 |
| 109 | 356047 | 6594833 |
| 110 | 356046 | 6594817 |
| 111 | 356046 | 6594810 |
| 112 | 356046 | 6594800 |
| 113 | 356042 | 6594777 |
| 114 | 356035 | 6594733 |
| 115 | 356028 | 6594683 |
| 116 | 356011 | 6594573 |
| 117 | 356011 | 6594572 |
| 118 | 355977 | 6594433 |
| 119 | 355964 | 6594379 |
| 120 | 355964 | 6594329 |
| 121 | 355966 | 6594322 |
| 122 | 355972 | 6594300 |
| 123 | 355983 | 6594264 |
| 124 | 356068 | 6594103 |
| 125 | 356120 | 6594009 |
| 126 | 356146 | 6593962 |
| 127 | 356198 | 6593865 |
| 128 | 356228 | 6593808 |
| 129 | 356229 | 6593793 |
| 130 | 356230 | 6593765 |
| 131 | 356233 | 6593707 |
| 132 | 356233 | 6593702 |
| 133 | 356241 | 6593658 |
| 134 | 356256 | 6593569 |
| 135 | 356303 | 6593501 |
| 136 | 356319 | 6593485 |
| 137 | 356356 | 6593448 |
| 138 | 356424 | 6593379 |
| 139 | 356452 | 6593349 |
| 140 | 356513 | 6593259 |
| 141 | 356532 | 6593184 |
| 142 | 356535 | 6593135 |
| 143 | 356566 | 6593089 |
| 144 | 356577 | 6593077 |
| 145 | 356606 | 6593044 |
| 146 | 356612 | 6593037 |
| 147 | 356618 | 6593030 |
| 148 | 356624 | 6593022 |
| 149 | 356659 | 6592968 |
| 150 | 356665 | 6592960 |
| 151 | 356677 | 6592931 |
| 152 | 356691 | 6592917 |
| 153 | 356699 | 6592909 |
| 154 | 356706 | 6592904 |

| Coord_No | Easting (MGA51) | Northing (MGA51) |
|----------|-----------------|------------------|
| 155 | 356727 | 6592890 |
| 156 | 356741 | 6592882 |
| 157 | 356803 | 6592844 |
| 158 | 356934 | 6592793 |
| 159 | 357008 | 6592750 |
| 160 | 357052 | 6592728 |
| 161 | 357069 | 6592722 |
| 162 | 357087 | 6592673 |
| 163 | 357122 | 6592547 |
| 164 | 357139 | 6592500 |
| 165 | 357142 | 6592418 |
| 166 | 357127 | 6592354 |
| 167 | 357105 | 6592257 |
| 168 | 357068 | 6592091 |
| 169 | 357053 | 6592019 |
| 170 | 357053 | 6591957 |
| 171 | 357080 | 6591881 |
| 172 | 357117 | 6591771 |
| 173 | 357149 | 6591690 |
| 174 | 357167 | 6591618 |
| 175 | 357184 | 6591539 |
| 176 | 357191 | 6591482 |
| 177 | 357186 | 6591432 |
| 178 | 357142 | 6591383 |

Table 5: Project Co-ordinates of the Fimiston open pit area

| Coord_No | Easting (MGA51) | Northing (MGA51) | Coord_No | Easting (MGA51) | Northing (MGA51) |
|-----------------|------------------------|-------------------------|-----------------|------------------------|-------------------------|
| 1 | 357678 | 6592541 | 53 | 355964 | 6594379 |
| 2 | 357579 | 6592528 | 54 | 355977 | 6594433 |
| 3 | 357505 | 6592535 | 55 | 356011 | 6594572 |
| 4 | 357422 | 6592556 | 56 | 356011 | 6594573 |
| 5 | 357331 | 6592600 | 57 | 356012 | 6594582 |
| 6 | 357248 | 6592649 | 58 | 356014 | 6594594 |
| 7 | 357200 | 6592668 | 59 | 356028 | 6594683 |
| 8 | 357137 | 6592695 | 60 | 356035 | 6594733 |
| 9 | 357052 | 6592728 | 61 | 356042 | 6594777 |
| 10 | 357008 | 6592750 | 62 | 356046 | 6594800 |
| 11 | 356934 | 6592793 | 63 | 356046 | 6594810 |
| 12 | 356803 | 6592844 | 64 | 356046 | 6594817 |
| 13 | 356741 | 6592882 | 65 | 356047 | 6594833 |
| 14 | 356728 | 6592889 | 66 | 356049 | 6594885 |
| 15 | 356706 | 6592904 | 67 | 356051 | 6594942 |
| 16 | 356699 | 6592909 | 68 | 356053 | 6594987 |
| 17 | 356691 | 6592917 | 69 | 356054 | 6595007 |
| 18 | 356677 | 6592931 | 70 | 356054 | 6595020 |
| 19 | 356664 | 6592961 | 71 | 356011 | 6595137 |
| 20 | 356659 | 6592968 | 72 | 355975 | 6595233 |
| 21 | 356647 | 6592985 | 73 | 355953 | 6595299 |
| 22 | 356624 | 6593022 | 74 | 355927 | 6595376 |
| 23 | 356618 | 6593030 | 75 | 355912 | 6595422 |
| 24 | 356612 | 6593037 | 76 | 355865 | 6595574 |
| 25 | 356606 | 6593044 | 77 | 355857 | 6595595 |
| 26 | 356592 | 6593059 | 78 | 355849 | 6595621 |
| 27 | 356577 | 6593077 | 79 | 355849 | 6595696 |
| 28 | 356566 | 6593089 | 80 | 355849 | 6595705 |
| 29 | 356535 | 6593135 | 81 | 355849 | 6595735 |
| 30 | 356532 | 6593184 | 82 | 355849 | 6595755 |
| 31 | 356513 | 6593256 | 83 | 355863 | 6595781 |
| 32 | 356452 | 6593349 | 84 | 355876 | 6595806 |
| 33 | 356424 | 6593379 | 85 | 355891 | 6595835 |
| 34 | 356356 | 6593448 | 86 | 355897 | 6595846 |
| 35 | 356319 | 6593485 | 87 | 355911 | 6595858 |
| 36 | 356303 | 6593501 | 88 | 355923 | 6595869 |
| 37 | 356256 | 6593569 | 89 | 355932 | 6595878 |
| 38 | 356241 | 6593658 | 90 | 355961 | 6595904 |
| 39 | 356233 | 6593702 | 91 | 356012 | 6595950 |
| 40 | 356233 | 6593707 | 92 | 356043 | 6595979 |
| 41 | 356232 | 6593715 | 93 | 356084 | 6596016 |
| 42 | 356230 | 6593765 | 94 | 356107 | 6596038 |
| 43 | 356229 | 6593793 | 95 | 356128 | 6596057 |
| 44 | 356228 | 6593808 | 96 | 356149 | 6596070 |
| 45 | 356198 | 6593865 | 97 | 356165 | 6596081 |
| 46 | 356146 | 6593962 | 98 | 356167 | 6596082 |
| 47 | 356120 | 6594009 | 99 | 356195 | 6596100 |
| 48 | 356068 | 6594103 | 100 | 356208 | 6596109 |
| 49 | 355983 | 6594264 | 101 | 356220 | 6596113 |
| 50 | 355972 | 6594300 | 102 | 356237 | 6596119 |
| 51 | 355966 | 6594322 | 103 | 356251 | 6596124 |
| 52 | 355964 | 6594329 | 104 | 356272 | 6596131 |

| Coord_No | Easting (MGA51) | Northing (MGA51) |
|----------|-----------------|------------------|
| 105 | 356272 | 6596131 |
| 106 | 356287 | 6596132 |
| 107 | 356304 | 6596133 |
| 108 | 356310 | 6596134 |
| 109 | 356329 | 6596135 |
| 110 | 356331 | 6596135 |
| 111 | 356345 | 6596123 |
| 112 | 356362 | 6596108 |
| 113 | 356386 | 6596089 |
| 114 | 356415 | 6596064 |
| 115 | 356424 | 6596054 |
| 116 | 356477 | 6595995 |
| 117 | 356504 | 6595964 |
| 118 | 356553 | 6595907 |
| 119 | 356587 | 6595867 |
| 120 | 356644 | 6595801 |
| 121 | 356655 | 6595781 |
| 122 | 356737 | 6595652 |
| 123 | 356778 | 6595552 |
| 124 | 356830 | 6595417 |
| 125 | 356831 | 6595413 |
| 126 | 356856 | 6595330 |
| 127 | 356893 | 6595266 |
| 128 | 356945 | 6595177 |
| 129 | 356996 | 6595114 |
| 130 | 357023 | 6595080 |
| 131 | 357030 | 6595071 |
| 132 | 357036 | 6595063 |
| 133 | 357041 | 6595057 |
| 134 | 357044 | 6595054 |
| 135 | 357051 | 6595046 |
| 136 | 357149 | 6594940 |
| 137 | 357171 | 6594916 |
| 138 | 357181 | 6594905 |
| 139 | 357227 | 6594851 |
| 140 | 357269 | 6594803 |
| 141 | 357320 | 6594745 |
| 142 | 357351 | 6594710 |
| 143 | 357351 | 6594710 |
| 144 | 357416 | 6594621 |
| 145 | 357426 | 6594600 |
| 146 | 357439 | 6594556 |
| 147 | 357460 | 6594487 |
| 148 | 357478 | 6594445 |
| 149 | 357491 | 6594415 |
| 150 | 357516 | 6594359 |
| 151 | 357541 | 6594304 |
| 152 | 357590 | 6594190 |
| 153 | 357602 | 6594133 |
| 154 | 357614 | 6594073 |
| 155 | 357624 | 6594044 |
| 156 | 357643 | 6593989 |

| Coord_No | Easting (MGA51) | Northing (MGA51) |
|----------|-----------------|------------------|
| 157 | 357673 | 6593924 |
| 158 | 357676 | 6593903 |
| 159 | 357679 | 6593888 |
| 160 | 357686 | 6593844 |
| 161 | 357684 | 6593707 |
| 162 | 357689 | 6593614 |
| 163 | 357691 | 6593596 |
| 164 | 357692 | 6593564 |
| 165 | 357692 | 6593549 |
| 166 | 357693 | 6593506 |
| 167 | 357689 | 6593445 |
| 168 | 357671 | 6593370 |
| 169 | 357670 | 6593367 |
| 170 | 357648 | 6593335 |
| 171 | 357630 | 6593307 |
| 172 | 357606 | 6593268 |
| 173 | 357599 | 6593251 |
| 174 | 357589 | 6593225 |
| 175 | 357577 | 6593195 |
| 176 | 357570 | 6593176 |
| 177 | 357569 | 6593147 |
| 178 | 357569 | 6593124 |
| 179 | 357575 | 6593094 |
| 180 | 357583 | 6593055 |
| 181 | 357600 | 6593009 |
| 182 | 357630 | 6592961 |
| 183 | 357661 | 6592910 |
| 184 | 357713 | 6592868 |
| 185 | 357759 | 6592810 |
| 186 | 357784 | 6592766 |
| 187 | 357801 | 6592708 |
| 188 | 357782 | 6592643 |
| 189 | 357742 | 6592584 |
| 190 | 357678 | 6592541 |

Table 6: Project Co-ordinates of tenements not held by the proponent

| Coord_No | Easting (MGA51) | Northing (MGA51) |
|----------|-----------------|------------------|
| 1 | 361898 | 6594959 |
| 2 | 361896 | 6594422 |
| 3 | 361616 | 6594672 |
| 4 | 361318 | 6594938 |
| 5 | 361020 | 6595203 |
| 6 | 360722 | 6595469 |
| 7 | 361070 | 6595691 |
| 8 | 361075 | 6595694 |
| 9 | 361378 | 6595424 |
| 10 | 361681 | 6595153 |
| 11 | 361898 | 6594959 |
| 12 | 360883 | 6595596 |
| 13 | 360707 | 6595483 |
| 14 | 360460 | 6595703 |
| 15 | 360214 | 6595923 |
| 16 | 360077 | 6596046 |
| 17 | 359879 | 6596222 |
| 18 | 359681 | 6596399 |
| 19 | 359677 | 6596402 |
| 20 | 359666 | 6596413 |
| 21 | 359434 | 6596621 |
| 22 | 359234 | 6596800 |
| 23 | 359046 | 6596968 |
| 24 | 359027 | 6596984 |
| 25 | 359348 | 6597234 |
| 26 | 359424 | 6597167 |
| 27 | 359685 | 6596934 |
| 28 | 359946 | 6596701 |
| 29 | 360207 | 6596468 |
| 30 | 360210 | 6596466 |
| 31 | 360493 | 6596213 |
| 32 | 360776 | 6595961 |
| 33 | 361060 | 6595708 |
| 34 | 361059 | 6595708 |
| 35 | 360883 | 6595596 |
| 36 | 359266 | 6597308 |
| 37 | 358947 | 6597056 |
| 38 | 358856 | 6597137 |
| 39 | 358660 | 6597312 |
| 40 | 358501 | 6597454 |
| 41 | 357749 | 6598125 |
| 42 | 357720 | 6598150 |
| 43 | 358030 | 6598143 |
| 44 | 358341 | 6598135 |
| 45 | 358599 | 6597904 |
| 46 | 358857 | 6597673 |
| 47 | 359115 | 6597443 |
| 48 | 359266 | 6597308 |
| 49 | 357880 | 6598296 |
| 50 | 358029 | 6598163 |
| 51 | 357969 | 6598164 |

| Coord_No | Easting (MGA51) | Northing (MGA51) |
|----------|-----------------|------------------|
| 52 | 357801 | 6598314 |
| 53 | 357786 | 6598328 |
| 54 | 357846 | 6598326 |
| 55 | 357880 | 6598296 |
| 56 | 360632 | 6591143 |
| 57 | 360597 | 6591012 |
| 58 | 359418 | 6591210 |
| 59 | 359494 | 6591448 |
| 60 | 359618 | 6591835 |
| 61 | 359815 | 6591966 |
| 62 | 359826 | 6591982 |
| 63 | 359954 | 6592512 |
| 64 | 360667 | 6592294 |
| 65 | 360913 | 6592218 |
| 66 | 360873 | 6592064 |
| 67 | 360825 | 6591880 |
| 68 | 360792 | 6591755 |
| 69 | 360760 | 6591634 |
| 70 | 360729 | 6591516 |
| 71 | 360706 | 6591427 |
| 72 | 360701 | 6591407 |
| 73 | 360698 | 6591398 |
| 74 | 360667 | 6591277 |
| 75 | 360661 | 6591256 |
| 76 | 360632 | 6591143 |
| 77 | 359421 | 6595864 |
| 78 | 360077 | 6596045 |
| 79 | 360214 | 6595923 |
| 80 | 360707 | 6595483 |
| 81 | 360722 | 6595469 |
| 82 | 360862 | 6595344 |
| 83 | 359853 | 6595070 |
| 84 | 359801 | 6595056 |
| 85 | 359488 | 6595508 |
| 86 | 359427 | 6595596 |
| 87 | 359271 | 6595822 |
| 88 | 359401 | 6595858 |
| 89 | 359421 | 6595864 |
| 90 | 357353 | 6598158 |
| 91 | 357353 | 6598178 |
| 92 | 357351 | 6598336 |
| 93 | 357515 | 6598333 |
| 94 | 357697 | 6598170 |
| 95 | 357709 | 6598160 |
| 96 | 357720 | 6598150 |
| 97 | 357353 | 6598158 |
| 98 | 357351 | 6598336 |
| 99 | 357353 | 6598178 |
| 100 | 357353 | 6598158 |
| 101 | 356908 | 6598169 |
| 102 | 356774 | 6598348 |
| 103 | 357351 | 6598336 |