Project Approval

Section 75J of the Environmental Planning & Assessment Act 1979

Under the Minister's delegation of 28 May 2011, and as members of the Planning Assessment Commission of New South Wales (the Commission), we approve the project application referred to in Schedule 1, subject to the conditions in Schedules 2 to 5.

These conditions are required to:

- prevent, minimise, and/or offset adverse environmental impacts;
- set standards and performance measures for acceptable environmental performance;
- require regular monitoring and reporting; and
- provide for the ongoing environmental management of the project.

Member of the Commission	Member of the Commission	Member of the Commission
Sydney	2011	
	SCHEDULE 1	
Application Number:	10_0054	
Proponent:	Big Island Mining Pty Lim	ited
Approval Authority:	Planning Assessment Co	mmission of New South Wales
Land:	See Appendix 1	
Project:	Dargues Reef Gold Proje	ct

DEFINITIONS	3
ADMINISTRATIVE CONDITIONS	5
Obligation to Minimise Harm to the Environment Terms of Approval Limits on Approval Structural Adequacy Demolition Operation of Plant and Equipment Staged Submission of any Strategy, Plan or Program Planning Agreement	5 5 5 5 5 5 5 6 6
ENVIRONMENTAL PERFORMANCE CONDITIONS	7
Noise Blasting Air Quality & Greenhouse Gas Meteorological Monitoring Soil & Water Biodiversity Heritage Transport Visual Waste Bushfire Management Rehabilitation	7 8 9 10 10 12 13 13 13 14 14 14
ADDITIONAL PROCEDURES	16
Notification of Landowners Independent Review	16 16
ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING	17
Environmental Management Reporting Independent Environmental Audit Access to Information	17 18 18 19
APPENDIX 1: SCHEDULE OF LAND	20
APPENDIX 2: PROJECT LAYOUT PLANS	24
APPENDIX 3: INDICATIVE FINAL LANDFORM	28
APPENDIX 4: BIODIVERSITY OFFSET STRATEGY	29
APPENDIX 5: STATEMENT OF COMMITMENTS	30
APPENDIX 6: GENERAL TERMS FOR THE PLANNING AGREEMENT	45

The review required by Condition 3 of Schedule 5 Annual review BCA Building Code of Australia Community Consultative Committee CCC Critically Endangered Ecological Community are defined under the CEEC Environment Protection and Biodiversity Conservation Act, 1999 Conditions contained in Schedules 2 to 5 inclusive Conditions of this approval Council Palerang Council Day The period from 7am to 6pm on Monday to Saturday, and 8am to 6pm on Sundays and Public Holidays Department Department of Planning and Infrastructure **Director-General** Director-General of the Department of Planning and Infrastructure, or delegate DPI Department of Primary Industries DTIRIS Department of Trade and Investment, Regional Infrastructure and Services Environmental assessment titled Environmental Assessment for the ΕA Dargues Reef Gold Project, and Specialist Consultant Studies Compendium Volume 1 and 2, dated September 2010, prepared by R. W. Corkery and Co Pty Limited, including the Response to Submissions, and additional information from Gaia Research Pty Ltd dated 5 May 2011 EEC Endangered Ecological Community as defined by the Threatened Species Conservation Act, 1995 EP&A Act Environmental Planning and Assessment Act 1979 Environmental Planning and Assessment Regulation 2000 **EP&A Regulation** EPL Environment Protection Licence issued under POEO Act The period between 6pm to 10pm on any day Evening Feasible Feasible relates to engineering considerations and what is practical to build or carry out Heritage Branch Heritage Branch of the Department Incident A set of circumstances that causes or threatens to cause material harm to the environment, and/or breaches or exceeds the limits or performance measures/criteria in this approval Land In general, the definition of land is consistent with the definition in the EP&A Act. However, in relation to the noise and air quality conditions in Schedules 3 and 4 it means the whole of a lot, or contiguous lots owned by the same landowner, in a current plan registered at the Land Titles Office at the date of this approval Material harm to the environment Actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial Mine water Water that accumulates within active mining areas, tailings dams and infrastructure areas, synonymous with dirty water Includes the removal of waste rock and the extraction, processing, Mining operations handling, storage and transportation of ore material Minister Minister for Planning and Infrastructure, or delegate Small in quantity, size and degree Minor Mitigation Activities associated with reducing the impacts of the project Negligible Small and unimportant, such as to be not worth considering Night The period from 10pm to 7am on Monday to Saturday, and 10pm to 8am on Sundays and Public Holidays Office of Environment and Heritage OEH POEO Act Protection of the Environment Operations Act 1997 Land that is not owned by a public agency or a mining company (or its Privately-owned land subsidiary) Proiect The development described in the EA Proponent Big Island Mining Ptv Limited, or its successors Reasonable Reasonable relates to the application of judgement in arriving at a decision, taking into account: mitigation benefits, cost of mitigation versus benefits provided, community views and the nature and extent of potential improvements Rehabilitation The treatment or management of land disturbed by the project for the purpose of establishing a safe, stable and non-polluting environment, and includes remediation Response to Submissions The proponent's responses to issues raised in submissions, including those tilted Response to Government Agency and Public Submissions for the Dargues Reef Gold Project, dated December 2010, Response to NSW Office of Water Submission Dated 16 December 2010 for the Dargues Reef Gold Project, dated December 2010, Response to DECCW Issues, dated 2 March 2011, and Response to Submission Received 15 April 2011, dated 20 April 2011, and letter from Cortona Resources Limited, dated 15 December 2010. ROM Run-of-mine

DEFINITIONS

Roads and Traffic Authority The land to which the project application applies, as listed in Appendix 1 The Proponent's commitments in Appendix 5

SCHEDULE 2 ADMINISTRATIVE CONDITIONS

OBLIGATION TO MINIMISE HARM TO THE ENVIRONMENT

1. The Proponent shall implement all reasonable and feasible measures to prevent and/or minimise any material harm to the environment that may result from the construction, operation or rehabilitation of the project.

TERMS OF APPROVAL

- 2. The Proponent shall carry out the project in accordance with the:
 - (a) EA;
 - (b) statement of commitments; and
 - (c) conditions of this approval.

Notes:

- The general layout of the project is shown in Appendix 2; and
- The statement of commitments is reproduced in Appendix 5.
- 3. If there is any inconsistency between the above documents, the most recent document shall prevail to the extent of the inconsistency. However, the conditions of this approval shall prevail to the extent of any inconsistency.
- 4. The Proponent shall comply with any reasonable requirement/s of the Director-General arising from the Department's assessment of:
 - (a) any reports, strategies, plans, programs, reviews, audits or correspondence that are submitted in accordance with this approval; and
 - (b) the implementation of any actions or measures contained in these documents.

LIMITS ON APPROVAL

5. The Proponent may carry out mining operations on the site until 31 May 2018.

Note: Under this approval, the Proponent is required to rehabilitate the site and carry out additional undertakings to the satisfaction of both the Director-General and the Director-General of DTIRIS. Consequently, this approval will continue to apply in all other respects - other than the right to conduct mining operations - until the rehabilitation of the site and these additional undertakings have been carried out satisfactorily.

- 6. The Proponent shall not:
 - (a) process more than 355 000 tonnes of ore at the site in a calendar year;
 - (b) process more than 1.2 million tonnes of ore at the site over the life of the project;
 - (c) use tailings to backfill completed stopes within the mine; or
 - (d) use any cyanide or mercury on site to process or extract gold from the project.

STRUCTURAL ADEQUACY

7. The Proponent shall ensure that all new buildings and structures, and any alterations or additions to existing buildings and structures, are constructed in accordance with the relevant requirements of the BCA.

Notes:

- Under Part 4A of the EP&A Act, the Proponent is required to obtain construction and occupation certificates for the proposed building works;
- Part 8 of the EP&A Regulation sets out the requirements for the certification of the project; and
- Under the Dams Safety Act 1978, the Proponent will require a further approval for the project's tailings dam.

DEMOLITION

8. The Proponent shall ensure that demolition of all built structures is carried out in accordance with *Australian Standard AS 2601-2001: The Demolition of Structures*, or its latest version.

OPERATION OF PLANT AND EQUIPMENT

- 9. The Proponent shall ensure that all the plant and equipment used on site, or to transport concentrate from the site, is:
 - (a) maintained in a proper and efficient condition; and
 - (b) operated in a proper and efficient manner.

STAGED SUBMISSION OF ANY STRATEGY, PLAN OR PROGRAM

10. With the approval of the Director-General, the Proponent may submit any strategy, plan or program required by this approval on a progressive basis.

Note: While any strategy, plan or program may be submitted on a progressive basis, the Proponent will need to ensure that the existing operations of the site are covered by suitable strategies, plans or programs at all times.

PLANNING AGREEMENT

- 11. Within 12 months of the date of this approval, unless otherwise agreed by the Director-General, the Proponent shall enter into a planning agreement with Council in accordance with Division 6 of Part 4 of the EP&A Act, that provide for contributions to Council for:
 - upgrades of Council's road infrastructure affected by the project; and
 - general community enhancement to address social amenity and community infrastructure requirements arising from the project.

The contributions shall be consistent with the terms of the offer made in the Proponent's letter dated 24 September 2010, and summarised in Appendix 6.

SCHEDULE 3 ENVIRONMENTAL PERFORMANCE CONDITIONS

NOISE

Noise Criteria

1. The Proponent shall ensure that the noise generated by the project does not exceed the criteria in Table 1 at any residence on privately-owned land or on more than 25 percent of any privately-owned land.

Fable 1: Noise Criteria dB(A) L _{Aeq (15min)}					
Location	Day L _{Aeq (15min)}	Evening L _{Aeq (15min)}	Night		
Location			L _{Aeq (15min)}	L _{A1 (1 min)}	
All privately owned land	35	35	35	45	

Notes:

- To identify the location of privately-owned land in the vicinity of the site, see figures in Appendix 1;
- Noise generated by the project is to be measured in accordance with the relevant procedures and exemptions (including certain meteorological conditions) of the NSW Industrial Noise Policy.

However, these criteria do not apply if the Proponent has a written agreement with the relevant landowner to exceed the criteria, and the Proponent has advised the Department in writing of the terms of this agreement.

Traffic Noise Impact Assessment Criteria

2. The Proponent shall take all reasonable and feasible measures to ensure that the traffic noise generated by the project does not exceed the traffic noise impact assessment criteria in Table 2.

Table 2: Traffic noise impact assessment criteria dB(A)

Road	Day L _{Aeq1 hour)}	Evening L _{Aeq1 hour)}
Majors Creek Road, Araluen Road, Captains Flat Road, Coghill Street and Wallace Street	55	50

Note: Traffic noise generated by the project is to be measured in accordance with the relevant procedures in the OEH's Environmental Criteria for Road Traffic Noise.

Operating Hours

3. The Proponent shall comply with the operating hours in Table 3.

Table 3: Operating hours

Activity	Operating Hours
Vegetation clearing, topsoil stripping, construction of the box cut and rehabilitation	Day
Remainder of construction operations	Day / evening / night
Mining, maintenance and processing operations	Day / evening / night
Crushing operations (including operation of front-end-loader)	7am-7pm, 7 days per week
Transportation	Day / evening

Note:

- Crushing operations may be undertaken outside of these hours on a maximum of 20 days per year.
- Condition 41 includes additional restrictions on transportation times.
- Conditions 6 and 7 include restrictions on blasting times.

Operating Conditions

- 4. The Proponent shall:
 - (a) implement best practice noise management, including all reasonable and feasible noise mitigation measures to minimise the operational and road traffic noise generated by the project;
 - (b) investigate ways to reduce the noise generated by the project; and
 - (c) report on these investigations and the implementation and effectiveness of these measures in the Annual Review,

to the satisfaction of the Director-General.

Noise Management Plan

- 5. The Proponent shall prepare and implement a Noise Management Plan for the project to the satisfaction of the Director-General. This plan must:
 - (a) be prepared in consultation with OEH and Council, and submitted to the Director-General for approval prior to the commencement of construction;
 - (b) describe the noise mitigation measures that would be implemented to ensure compliance with conditions 1-4 of this schedule; and
 - (c) include a noise monitoring program that:
 - uses a combination of unattended and attended monitoring to evaluate the performance of the project; and
 - includes a protocol for determining exceedances of the relevant conditions of this approval.

BLASTING

Blasting Criteria

6. The Proponent shall ensure that the blasting on site does not cause exceedances of the criteria in Table 4.

Table 4: Blast impact criteria					
Location	Time of Blasting	Airblast overpressure (dB(Lin Peak))	Ground vibration (mm/s)	Allowable exceedance	
Residence on privately-owned	Any time	120	10	0%	
land	Day	115	5	5% of the total	
	Evening	105	2	number of blasts	
	Night, and all day on Sundays and public holidays	95	1	over a period of 12 months	

Note: All blasts are to be designed by a suitably qualified and experienced blasting engineer.

Blasting Hours

7. The Proponent shall comply with the blasting hours in Table 5.

Table 5: Blasting hours

Activity	Blasting Hours	
Surface blasting	9am – 5pm Monday – Friday, excluding public holidays	
Underground blasting	Anytime	

Property Inspections

- 8. If the Proponent receives a written request from the owner of any privately-owned land within 2 kilometres of blasting operations for a property inspection to establish the baseline condition of any buildings and/or structures on his/her land, or to have a previous property inspection report updated, then within 2 months of receiving this request the Proponent shall:
 - (a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Director-General to:
 - establish the baseline condition of the buildings and/or structures on the land or update the previous property inspection report; and
 - identify any measures that should be implemented to minimise the potential blasting impacts of the project on these buildings and/or structures; and
 - (b) give the landowner a copy of the new or updated property inspection report.

Property Investigations

- 9. If any landowner of privately-owned land within 2 kilometres of blasting operations, or any other landowner nominated by the Director-General, claims that buildings and/or structures on his/her land have been damaged as a result of blasting at the project, the Proponent shall within 3 months of receiving this request:
 - (a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Director-General, to investigate the claim; and
 - (b) give the landowner a copy of the property investigation report.

If this independent property investigation confirms the landowner's claim, and both parties agree with these findings, then the Proponent shall repair the damages to the satisfaction of the Director-General.

If the Proponent or landowner disagrees with the findings of the independent property investigation, then either party may refer the matter to the Director-General for resolution.

Operating Conditions

- 10. During mining operations on site, the Proponent shall implement best blasting practice to:
 - (a) protect the safety of people, property, public infrastructure, and livestock;
 - (b) protect items of Aboriginal and non-indigenous cultural heritage significance;
 - (c) minimise the dust and fume emissions from blasting at the project; and
 - (d) operate a suitable system to enable the public to get up-to-date information on the proposed blasting schedule on site,

to the satisfaction of the Director-General.

Blast Management Plan

- 11. The Proponent shall prepare and implement a Blast Management Plan for the project to the satisfaction of the Director-General. This plan must:
 - (a) be prepared in consultation with OEH and Council, and submitted to the Director-General for approval prior to undertaking any blasting on-site;
 - (c) describe the blast mitigation measures that would be implemented to ensure compliance conditions 6-10 of this schedule;
 - (d) describe the measures that would be implemented to ensure the public can get up-to-date information on the proposed blasting schedule on site; and
 - (e) include a blast monitoring program to evaluate the performance of the project.

AIR QUALITY & GREENHOUSE GAS

Odour

12. The Proponent shall ensure that no offensive odours are emitted from the site, as defined under the POEO Act.

Greenhouse Gas Emissions

13. The Proponent shall implement all reasonable and feasible measures to minimise the release of greenhouse gas emissions from the site to the satisfaction of the Director-General.

Air Quality Criteria

14. The Proponent shall ensure that all reasonable and feasible avoidance and mitigation measures are employed so that the particulate emissions generated by the project do not exceed the criteria listed in Tables 6, 7 and 8 at any residence on privately-owned land or on more than 25 percent of any privately-owned land.

Table 6: Long term criteria for particulate matter

Pollutant	Averaging period	^d Criterion
Total suspended particulate (TSP) matter	Annual	^a 90 µg/m ³
Particulate matter < 10 µm (PM ₁₀)	Annual	^a 30 µg/m ³

Table 7: Short term criterion for particulate matter

Pollutant	Averaging period	^d Criterion
Particulate matter < 10 μ m (PM ₁₀)	24 hour	^a 50 μg/m ³

Table 8: Long term criteria for deposited dust

Pollutant	Averaging	Maximum increase in	Maximum total ¹ deposited
	period	deposited dust level	dust level
^c Deposited dust	Annual	^b 2 g/m ² /month	^a 4 g/m ² /month

Notes for Tables 6-8:

- ^aTotal impact (i.e. incremental increase in concentrations due to the project plus background concentrations due to other sources);
- ^b Incremental impact (i.e. incremental increase in concentrations due to the project on its own);
- ^c Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulate Matter - Deposited Matter -Gravimetric Method; and
- ^d Excludes extraordinary events such as bushfires, prescribed burning, dust storms, fire incidents, illegal activities or any other activity agree to by the Director-General in consultation with OEH.

15. The Proponent shall ensure compliance with any pollutant limits in the EPL set after further assessment of the potential air quality impacts associated with the gold smelting process (refer to Condition 21 below).

Operating Conditions

- 16. The Proponent shall:
 - (a) implement best practice air quality management on site, including all reasonable and feasible measures to minimise the off-site odour, fume and dust emissions generated by the project;
 - (b) minimise any visible air pollution generated by the project; and
 - (c) regularly assess the air quality monitoring and meteorological forecasting data, and relocate, modify and/or stop operations on site to ensure compliance with the relevant conditions of this approval, to the satisfaction of the Director-General.

Air Quality & Greenhouse Gas Management Plan

- 17. The Proponent shall prepare and implement a detailed Air Quality & Greenhouse Gas Management Plan for the project to the satisfaction of the Director-General. This plan must:
 - (a) be prepared in consultation with OEH and Council, and submitted to the Director-General for approval prior to construction;
 - (b) include an assessment of the potential air quality impacts of the project associated with the gold smelting process;
 - (c) describe the measures that would need to be implemented to ensure compliance with conditions 12-16 of this schedule;
 - (d) include a program for the implementation of the measures referred to in (c) above; and
 - (e) include an air quality monitoring program, that uses a combination high volume samplers and dust deposition gauges to evaluate the performance of the project, and includes a protocol for determining exceedances with the relevant conditions of this approval.

METEOROLOGICAL MONITORING

18. During the life of the project, the Proponent shall ensure that there is a suitable meteorological station operating in the vicinity of the site that complies with the requirements in the *Approved Methods for Sampling of Air Pollutants in New South Wales* guideline.

SOIL & WATER

Water Licences

19. The Proponent shall obtain all necessary water licences for the project under the *Water Act 1912* or the *Water Management Act 2000*.

Water Supply

20. The Proponent shall ensure that it has sufficient water for all stages of the project, and if necessary, adjust the scale of mining operations to match supply of water, to the satisfaction of the Director-General.

Water Discharges

- 21. The Proponent shall ensure that all surface water discharges from the site comply with:
 - (a) Section 120 of the POEO Act; or
 - (b) the discharge limits (both volume and quality) set for the project in any EPL.

Baseflow Offsets

22. The Proponent shall offset the loss of any baseflow to Majors Creek caused by the project to the satisfaction of the Director-General. This condition does not apply if the Director-General subsequently determines that the loss of baseflow is negligible.

Compensatory Water Supply

23. The Proponent shall provide a compensatory water supply to any owner of privately-owned land whose water entitlements are adversely impacted (other than an impact that is negligible) as a result of the project, in consultation with DPI, and to the satisfaction of the Director-General.

The compensatory water supply measures must provide an alternative long-term supply of water that is equivalent to the loss attributed to the project. Equivalent water supply must be provided (at least on an interim basis) within 24 hours of the loss being identified.

If the Proponent and the landowner cannot agree on the measures to be implemented, or there is a dispute about the implementation of these measures, then either party may refer the matter to the Director-General for resolution.

If the Proponent is unable to provide an alternative long-term supply of water, then the Proponent shall provide alternative compensation to the satisfaction of the Director-General.

Permeability of Storages

24. The Proponent shall ensure that the capacity of the tailings storage facility is designed to meet the requirements of the *Environmental Guidelines – Management of Tailings Storage Facilities* (VIC DPI, 2004) and that the walls, floor and final capping of the tailings storage facility is designed to be equivalent to 600mm clay of permeability 1 x 10⁻⁸m/s.

Note: An alternative permeability standard may be acceptable following completion of an appropriate risk assessment undertaken in accordance with the Environmental Guidelines – Management of Tailings Storage Facilities (VIC DPI, 2004) to the satisfaction of OEH and the Director-General.

25. The Proponent shall ensure that all other groundwater storage and treatment dams are suitably lined to comply with a permeability standard of $< 1 \times 10^{-9}$ m/s.

Water Management Plan

- 26. The Proponent shall prepare and implement a Water Management Plan for the project to the satisfaction of the Director-General. This plan must:
 - (a) be prepared in consultation with OEH, DPI and DTIRIS by suitably qualified and experienced persons whose appointment has been approved by the Director-General;
 - (b) be submitted to the Director-General for approval prior to the commencement of construction; and
 - (c) include:
 - a Site Water Balance;
 - an Erosion and Sediment Control Plan;
 - a Surface Water Monitoring Program;
 - a Groundwater Monitoring Program; and
 - a Surface and Ground Water Response Plan.

27. The Site Water Balance must:

- (a) include details of:
 - sources and security of water supply;
 - water use on site;
 - water management on site;
 - off-site water discharges, including volume, timing and release point infrastructure requirements;
 - reporting procedures; and
- (b) describe what measures would be implemented to minimise potable water use on site.
- 28. The Erosion and Sediment Control Plan must:
 - (a) be consistent with the requirements of the *Managing Urban Stormwater: Soils and Construction Manual* (Landcom 2004, or its latest version);
 - (b) identify activities that could cause soil erosion and generate sediment;
 - (c) describe measures to minimise soil erosion and the potential for the transport of sediment to downstream waters;
 - (d) describe the location, function, and capacity of erosion and sediment control structures; and
 - (e) describe what measures would be implemented to maintain the structures over time.
- 29. The Surface Water Monitoring Program must include:
 - (a) detailed baseline data on surface water flows and quality in creeks and other waterbodies that could be affected by the project (including Majors and Spring Creeks);
 - (b) surface water quality and stream health assessment criteria;
 - (c) a program to monitor:
 - surface water flows, quality, and impacts on water users;
 - stream health and channel stability in Spring and Majors Creeks;
 - potential acid rock drainage;
 - potential leakage or spillage from tailings, mineral concentrate or effluent pipelines;
 - (d) a program for the ongoing verification and refinement of the surface water model; and
 - (e) reporting procedures for the results of the monitoring program and model verification.

- 30. The Groundwater Monitoring Program must include:
 - (a) detailed baseline data of groundwater levels, yield and quality in the region, and particularly any groundwater bores, springs and seeps that may be affected by mining operations on site;
 - (b) groundwater assessment criteria, including for monitoring bores and privately-owned bores;
 - (c) a program to monitor:
 - impacts on the groundwater supply of potentially affected landowners;
 - impacts on springs or groundwater dependent ecosystems;
 - the volume of groundwater inflow into the underground mine workings;
 - regional groundwater levels and quality in all potentially affected aquifers;
 - potential acid rock drainage;
 - the seepage/leachate from tailings dams;
 - (e) a program for the ongoing verification and refinement of the groundwater model; and
 - (f) reporting procedures for the results of the monitoring program and model verification.
- 31. The Surface and Ground Water Response Plan must include:
 - (a) a protocol for the investigation, notification and mitigation of any exceedances of the surface water, stream health, and groundwater assessment criteria;
 - (b) a protocol for investigating, evaluating and providing the baseflow offsets required under condition 22 above;
 - (c) measures to mitigate and/or compensate potentially affected landowners in accordance with the compensatory water supply requirements in condition 23 above;
 - (d) a protocol for providing advance warning and water supply measures for landowners of privatelyowned land that are predicted to exceed the surface and groundwater impact assessment criteria at some stage during the project life; and
 - (e) the procedures that would be followed if any significant unforseen impacts on surface or groundwater are detected during the project.

BIODIVERSITY

Biodiversity Offset

32. The Proponent shall implement the offset strategy outlined in Table 9, described in the EA, and shown in Appendix 4 to the satisfaction of the Director-General.

Community Type	Area (ha)
Ribbon Gum Forest*	8.7
Fragmented Ribbon Gum Forest*	7.1
Regenerating wattles	7.6
Exotic vegetation	5.1
Natural Temperate Grassland**	0.2
Native – dominated pasture	235.7
Exotic pasture	2.5
Largely disturbed land	3.9
River Peppermint Open Forest	1.3
TOTAL	272.1
* Listed as an EEC under the Threatened Species Conservation Act, 1995 ** Listed as a CEEC under the Environment Protection and Biodiversity Cons	servation Act. 1999

- 33. The Proponent shall ensure that the offset area is managed in a manner that would ensure the regeneration of native grassland, which is consistent with the Natural Temperate Grassland EEC.
- 34. The Proponent shall make suitable arrangements to provide appropriate long-term security for the offset area in the strategy to the satisfaction of the Director-General.

Biodiversity Management Plan

- 35. The Proponent shall prepare a Biodiversity Management Plan for the project to the satisfaction of the Director-General. This plan must:
 - (a) be prepared in consultation with OEH, and submitted to the Director-General for approval prior to construction;
 - (b) include:
 - an assessment of the potential impacts of groundwater drawdown on groundwater dependent (phreatophytic) vegetation, including the Tableland Basalt Forest EEC;
 - mitigation and/or offsetting measures if adverse impacts on phreatophytic vegetation are predicted;
 - timing for the implementation of mitigation and/or offsetting measures;
 - scheduling for the implementation of the biodiversity offset;
 - detailed performance and completion criteria for the implementation of the biodiversity offset;

- a detailed description of the measures that would be implemented to manage the remnant vegetation and habitat within the offset area, and ensure the biodiversity offset is suitably implemented, including the procedures for:
 - revegetating or regenerating parts of the offset area, if required;
 - managing or improving the quality of existing vegetation in the offset area;
 - controlling weeds, feral pests and access;
 - managing bushfires; and
- details of who would be responsible for monitoring, reviewing and implementing the plan.

Conservation Bond

36. Within 3 months of the approval of the Biodiversity Management Plan, the Proponent shall lodge a conservation bond with the Department to ensure that the biodiversity offset is implemented in accordance with the performance and completion criteria of the Biodiversity Management Plan. The sum of the bond shall cover the full cost of implementing the Biodiversity Offset Strategy and be verified by a suitably qualified rehabilitation expert or quantity surveyor.

If the biodiversity offset is implemented to the satisfaction of the Director-General, the Director-General will release the conservation bond.

If the offset strategy is not implemented to the satisfaction of the Director-General, the Director-General will call in all or part of the conservation bond, and arrange for the satisfactory implementation of the biodiversity offset.

HERITAGE

Aboriginal Heritage Management Plan

- 37. The Proponent shall prepare and implement an Aboriginal Heritage Management Plan for the project to the satisfaction of the Director-General. The Plan must:
 - (a) be prepared in consultation with OEH and the Aboriginal community;
 - (b) be submitted to the Director-General for approval prior to construction; and
 - (c) include a:
 - program for fencing the 5 identified Aboriginal sites;
 - program for the recording, salvage and surface collection of any Aboriginal objects/sites that may be encountered within the project area;
 - description of the measures that would be implemented if any Aboriginal skeletal remains are discovered during the project; and
 - protocol for the ongoing consultation and involvement of the Aboriginal community in the conservation and management of the Aboriginal heritage of the objects/sites.

TRANSPORT

Access Road Construction

- 38. The Proponent shall construct the site access road and the intersection of the access road and Majors Creek Road prior to the commencement of construction of the mine-related infrastructure.
- 39. The intersection of the site access road and Majors Creek Road shall be constructed to a BAR/BAL treatment for rural turn lanes in accordance with the RTA *Road Design Guide* and to the satisfaction of Council.

Monitoring of Concentrate Transport

- 40. The Proponent shall:
 - (a) keep accurate records of the:
 - amount of concentrate transported from the site (on a monthly basis); and
 - the date and time of loaded truck movements from the site; and
 - (b) provide the Director-General with a summary of these truck movements on a quarterly basis.

Operating Conditions

- 41. The Proponent shall ensure that:
 - (a) a maximum of 4 concentrate trucks exit the site per hour;
 - (b) the dispatch of concentrate from the site is limited to between the hours of 7am to 10pm Monday to Saturday and 8am-10pm Sundays and Public Holidays;
 - (c) all heavy vehicle movements to or from the site are prohibited between the hours of 7am 8.30am and 3pm 5pm on school days;
 - (d) a bus is operated from Braidwood to offer mine workers transport to and from the site each day; and

(e) all reasonable and feasible measures are implemented to minimise the project's contribution to the traffic on Majors Creek Road, Araluen Flat Road, Captains Flat Road, Coghill Street and Wallace Street.

Transport Route

42. Once the site access road and its intersection with Majors Creek Road are complete, the Proponent shall ensure that, except in emergency situations, no project-related heavy vehicles access the site from the south or via Monga Lane.

Traffic Management Plan

43. The Proponent shall prepare and implement a Traffic Management Plan to the satisfaction of the Director-General. The plan shall focus on traffic management along Majors Creek Road to minimise potential conflicts between road users and to ensure that the intersection of the site access road and Majors Creek Road is operating effectively. The plan must be developed in consultation with the Council and the CCC, and must be submitted for the approval of the Director-General prior to the commencement of construction of any mine-related infrastructure.

VISUAL

Visual Amenity and Lighting

- 44. The Proponent shall:
 - (a) minimise the visual impacts, and particularly the off-site lighting impacts, of the project;
 - (b) take all practicable measures to further mitigate off-site lighting impacts from the project; and
 - (c) ensure that all external lighting associated with the project complies with Australian Standard AS4282 (INT) 1995 Control of Obtrusive Effects of Outdoor Lighting,
 - to the satisfaction of the Director-General.

Additional Visual Mitigation Measures

- 45. The Proponent shall construct an amenity bund on the southern and western crest of the ROM pad as described in the EA and rehabilitate the bund in accordance with Condition 51 below.
- 46. Upon receiving a written request from the owner of any residence on privately-owned land which has, or would have, significant direct views of the mining operations on site, the Proponent shall implement visual mitigation measures (such as landscaping treatments or vegetation screens) on the land in consultation with the landowner. These measures must be reasonable and feasible, and directed toward minimising the visibility of the mining operations from the residence.

If within 3 months of receiving this request from the owner, the Proponent and the owner cannot agree on the measures to be implemented, or there is a dispute about the implementation of these measures, then either party may refer the matter to the Director-General for resolution.

WASTE

- 47. The Proponent shall:
 - (a) minimise the waste generated by the project;
 - (b) ensure that the waste generated by the project is appropriately stored, handled and disposed of; and
 - (c) manage on-site sewage treatment and disposal in accordance with the requirements of Council, to the satisfaction of the Director-General.
- 48. The Proponent shall prepare and implement a Waste Management Plan for the project to the satisfaction of the Director-General. This plan must be submitted to the Director-General prior to construction.

BUSHFIRE MANAGEMENT

- 49. The Proponent shall:
 - (a) ensure that the project is suitably equipped to respond to any fires on-site; and
 - (b) assist the emergency services as much as possible if there is a fire on-site during the project.
- 50. Prior to construction, the Proponent shall prepare and implement a Bushfire Management Plan for the site to the satisfaction of the Director-General. The plan must be prepared in consultation with the local Rural Fire Service.

REHABILITATION

Rehabilitation Objectives

- 51. The Proponent shall rehabilitate the site to the satisfaction of the Director-General of DTIRIS. This rehabilitation must be generally consistent with the proposed rehabilitation strategy described in the EA, however the:
 - (b) area to be returned to native woodland vegetation must be increased further to the west of the existing Spring Creek vegetation corridor as shown in Appendix 4;
 - (c) box cut must be rehabilitated to result in an outcome that is consistent with the final landform (Appendix 3); and
 - (d) tailings storage facility must be suitably capped to prevent surface water infiltration into the postmining landform.

Progressive Rehabilitation

52. The Proponent shall carry out the rehabilitation of the site progressively, that is, as soon as reasonably practicable following disturbance.

Rehabilitation Management Plan

- 53. The Proponent shall prepare and implement a Rehabilitation Management Plan for the project to the satisfaction of the Director-General of DTIRIS. This plan must:
 - (a) be prepared in consultation with the Department, OEH, DPI, and the CCC;
 - (b) be prepared in accordance with any relevant DTIRIS guideline;
 - (c) build, to the maximum extent practicable, on the other management plans required under this approval; and
 - (d) be submitted to the Director-General of DTIRIS for approval prior to construction.

SCHEDULE 4 ADDITIONAL PROCEDURES

NOTIFICATION OF LANDOWNERS

- 1. At least 2 months prior to carrying out any blasting on site, the Proponent shall notify in writing the owners of any privately-owned land within 2 kilometres of the approved blasting on site that they are entitled to ask for an inspection to establish the baseline condition of any buildings or structures on their land, or to have a previous property inspection report updated.
- 2. Within 2 weeks of obtaining monitoring results showing:
 - (a) exceedances of the relevant criteria in Schedule 3, the Proponent shall notify the affected landowners and/or tenants in writing of the exceedance, and provide regular monitoring results to each of these parties until the project is complying with the relevant criteria again; and
 - (b) exceedances of the relevant air quality criteria in Schedule 3, send the affected landowners and tenants (including the tenants of any mine-owned land) a copy of the NSW Health fact sheet entitled *"Mine Dust and You"* (as may be updated from time to time).

INDEPENDENT REVIEW

3. If an owner of privately-owned land considers the project to be exceeding the relevant criteria in Schedule 3, then he/she may ask the Director-General in writing for an independent review of the impacts of the project on his/her land.

If the Director-General is satisfied that an independent review is warranted, then within 2 months of the Director-General's decision the Proponent shall:

- (a) commission a suitably qualified, experienced and independent person, whose appointment has been approved by the Director-General, to:
 - consult with the landowner to determine his/her concerns;
 - conduct monitoring to determine whether the project is complying with the relevant criteria in Schedule 3; and
 - if the project is not complying with these criteria then:
 - determine if more than one mine is responsible for the exceedance, and if so the relative share of each mine towards the impact on the land; and
 - identify the measures that could be implemented to ensure compliance with the relevant criteria; and
- (b) give the Director-General and landowner a copy of the independent review.
- 4. If the independent review determines that the project is complying with the relevant criteria in Schedule 3, then the Proponent may discontinue the independent review with the approval of the Director-General.

If the independent review determines that the project is not complying with the relevant impact assessment criteria in Schedule 3, then the Proponent shall:

- (a) implement all reasonable and feasible mitigation measures, in consultation with the landowner and appointed independent person, and conduct further monitoring until the project complies with the relevant criteria; or
- (b) secure a written agreement with the landowner to allow exceedances of the relevant criteria,

to the satisfaction of the Director-General.

SCHEDULE 5 ENVIRONMENTAL MANAGEMENT, REPORTING AND AUDITING

ENVIRONMENTAL MANAGEMENT

Environmental Management Strategy

- 1. The Proponent shall prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Director-General. This strategy must:
 - (a) be submitted to the Director-General for approval prior to construction;
 - (b) provide the strategic framework for environmental management of the project;
 - (c) identify the statutory approvals that apply to the project;
 - (d) describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;
 - (e) describe the procedures that would be implemented to:
 - keep the local community and relevant agencies informed about the operation and environmental performance of the project;
 - receive, handle, respond to, and record complaints;
 - resolve any disputes that may arise during the course of the project;
 - respond to any non-compliance;
 - respond to emergencies; and
 - (f) include:
 - copies of any strategies, plans and programs approved under the conditions of this approval; and
 - a clear plan depicting all the monitoring required to be carried out under the conditions of this approval.

Management Plan Requirements

- 2. The Proponent shall ensure that the management plans required under this approval are prepared in accordance with any relevant guidelines, and include:
 - (a) detailed baseline data;
 - (b) a description of:
 - the relevant statutory requirements (including any relevant approval, licence or lease conditions);
 - any relevant limits or performance measures/criteria;
 - the specific performance indicators that are proposed to be used to judge the performance of, or guide the implementation of, the project or any management measures;
 - (c) a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;
 - (d) a program to monitor and report on the:
 - impacts and environmental performance of the project;
 - effectiveness of any management measures (see c above);
 - (e) a contingency plan to manage any unpredicted impacts and their consequences;
 - (f) a program to investigate and implement ways to improve the environmental performance of the project over time;
 - (g) a protocol for managing and reporting any:
 - incidents;
 - complaints;
 - non-compliances with statutory requirements; and
 - exceedances of the impact assessment criteria and/or performance criteria; and
 - (h) a protocol for periodic review of the plan.

Note: The Director-General may waive some of these requirements if they are unnecessary or unwarranted for particular management plans.

Annual Review

- 3. By the end of each year following the commencement of construction, the Proponent shall review the environmental performance of the project to the satisfaction of the Director-General. This review must:
 - (a) describe the development (including any rehabilitation) that was carried out in the past year, and the development that is proposed to be carried out over the next year;
 - (b) include a comprehensive review of the monitoring results and complaints records of the project over the past year, which includes a comparison of these results against the
 - the relevant statutory requirements, limits or performance measures/criteria;
 - the monitoring results of previous years; and
 - the relevant predictions in the EA;
 - (c) identify any non-compliance over the past year, and describe what actions were (or are being) taken to ensure compliance;
 - (d) identify any trends in the monitoring data over the life of the project;

- (e) identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies; and
- (f) describe what measures will be implemented over the next year to improve the environmental performance of the project.

Revision of Strategies, Plans and Programs

- 4. Within 3 months of:
 - (a) the submission of an annual review under Condition 3 above;
 - (b) the submission of an incident report under Condition 6 below;
 - (c) the submission of an audit report under Condition 8 below; and
 - (d) any modification to the conditions of this approval, (unless the conditions require otherwise),

the Proponent shall review, and if necessary revise, the strategies, plans, and programs required under this approval to the satisfaction of the Director-General.

Note: This is to ensure the strategies, plans and programs are updated on a regular basis, and incorporate any recommended measures to improve the environmental performance of the project.

Community Consultative Committee

5. The Proponent shall establish and operate a Community Consultative Committee (CCC) for the project to the satisfaction of the Director-General and in accordance with the *Guidelines for Establishing and Operating Community Consultative Committees for Mining Projects* (Department of Planning, 2007, or its latest version). This CCC must be operating at least 3 months prior to the commencement of construction on site.

Notes:

- The CCC is an advisory committee. The Department and other relevant agencies are responsible for ensuring that the Proponent complies with this approval; and
- In accordance with the guideline, the Committee should be comprised of an independent chair and appropriate representation from the Proponent, Council, recognised environmental groups and the local community.

REPORTING

Incident Reporting

6. The Proponent shall notify the Director-General and any other relevant agencies of any incident associated with the project as soon as practicable after the Proponent becomes aware of the incident. Within 7 days of the date of the incident, the Proponent shall provide the Director-General and any relevant agencies with a detailed report on the incident.

Regular Reporting

7. The Proponent shall provide regular reporting on the environmental performance of the project on its website, in accordance with the reporting arrangements in any plans or programs approved under the conditions of this approval.

INDEPENDENT ENVIRONMENTAL AUDIT

- 8. One year after operations commence, and every 3 years thereafter, unless the Director-General directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project. This audit must:
 - (a) be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been endorsed by the Director-General;
 - (b) include consultation with the relevant agencies;
 - (c) assess the environmental performance of the project and assess whether it is complying with the requirements in this approval and any relevant EPL or Mining Lease (including any assessment, plan or program required under these approvals);
 - (d) review the adequacy of strategies, plans or programs required under the abovementioned approvals; and
 - (e) recommend appropriate measures or actions to improve the environmental performance of the project, and/or any assessment, plan or program required under the abovementioned approvals.

Note: This audit team must be led by a suitably qualified auditor and include experts in any field specified by the Director-General.

9. Within 6 weeks of the completion of this audit, or as otherwise agreed by the Director-General, the Proponent shall submit a copy of the audit report to the Director-General, together with its response to any recommendations contained in the audit report.

ACCESS TO INFORMATION

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(a)

10. Prior to the commencement of construction on site, the Proponent shall:

- make copies of the following publicly available on its website:
 - the documents referred to in Condition 2 of Schedule 2;
 - all current statutory approvals for the project;
 - all approved strategies, plans and programs required under the conditions of this approval;
 - the monitoring results of the project, reported in accordance with the specifications in any conditions of this approval, or any approved plans and programs;
 - a complaints register, updated on a monthly basis;
 - minutes of CCC meetings;
 - the annual reviews of the project;
 - any independent environmental audit of the project, and the Proponent's response to the recommendations in any audit;
 - any other matter required by the Director-General; and
- (b) keep this information up-to-date,

to the satisfaction of the Director-General.

APPENDIX 1 SCHEDULE OF LAND

Land Reference ¹	Residence Reference	Section/Lot/DP	Landowner ²
Reference	Reference	1021/1127185 102/755024 1/086482 2/086482	
'	-	3/986483, 4/986483, 5/986483, 104/1100849.	Cortona Resources Limited
2	-	103/755934	Exeter Farm Pty Ltd
3	R34	98/755934	Ref not held
4	-	2/1099172, 1/61600	Glendaruel (Holdings) Pty Limited
5	-	1/996501, 2/996501, 1/5/758636, 2/5/758636,	
		3/5/758636, 4/5/758636, 5/5/758636, 6/5/758636, 7/5/758636, 0/5/758636, 10/5/758636, 6/5/758636,	P. Callan, C McGrath, L Haggan
		1/5/758636, 9/5/758636, 10/5/758636, 0/835507	
6		Reference not us	ed
7	R31	1/136801, 2/136801, 3/755934, 82/755934,	
		83/755934, 95/755934, 113/755934, 114/755934,	P. & L. Matthias
		141/755934, 143/755934	
8	R24	1/199645, 2/199645	S.J. Redden
9	-	1/28/758636, 2/28/758636, 3/28/758636, 5/28/758636, 5//28/758636, 6/28/758636	
		7/28/758636 10/28/758636 11/28/758636	Valerie Carpenter
		13/28/758636, 14/28/758636	
10	-	12/28/758636	Certificate has not been issued
11	-	18/27/758636	D.P. Drew
12	-	13/27/758636	B.S. & S.F. Drew
13	R58	14/27/758636	N.V. Harrington
14	-	15/27/758636	S. Lee
15	- D <i>EE</i>	16/27/758636	Reference not held
10	R55 P54	0/21/758626	A D & M S Phillips
17	R53	2/31/758636	A.D. & M.S. FTIMps Mangold Investments (NSW) Pty Ltd
19	-	2A/27/758636	Reference not held
20	-	701/1054207, 701/1054979, 1/123143, 1/123393,	
		1/48260, 161/755934, 162/755934, 188/755934,	
		193/755934, 209/755934, 213/755934, 5/4/758636,	
		6/4/758636, 7/4/758636, 8/4/758636, 9/4/758636, 4/24/758636, 7/4/758636, 8/4/758636, 9/4/758636,	
		1/21/758636 7/21/758636 8/21/758636	
		9/21/758636, 10/21/758636, 1/24/758636,	
		2/24/758636, 4/24/758636, 5/24/758636,	State of NSW
		6/24/758636, 7/24/758636, 8/24/758636,	State of NSVV
		9/24/758636, 10/24/758636, 11/24/758636,	
		12/24/758636, 4/25/758636, 5/25/758636,	
		0/25/758636 10/25/758636 11/25/758636	
		12/25/758636, 13/25/758636, 1/53/758636,	
		3/53/758636, 4/53/758636, 5/53/758636,	
		6/53/758636, 701/93977	
21	R59	20/27/758636	L.G. Delamont
22	-	19/27/758636	Y.M. Chin
23	-	7/27/758636	Reference not held
24	- P21 P71	8/27/758636	Reference not neid
25	R72	0/21/130030	Reference not held
26	-	9/27/758636	Reference not held
27	-	10/27/758636	Reference not held
28	-	21/27/758636, 22/27/758636	1/1112412 – Timothy James Rankin
29	R60	1/42/758636, 2/42/758636, 3/42/758636,	R.A. & J.A. South McKenzie
20		4/42/758636, 5/42/758636,	The Dight Deverand Massa Thomas
30	-	121/48413 120/755934 8/15/758636	K M Stuart
32			Reference not used
33	R61	5/15/758636, 6/15/758636	A. & C.W.Y.H. Brace & R. Mahncke
34		1/4/758636, 2/4/758636	W. Brickwood
35	-	2A/4/758636, 3/4/758636, 4/4/758636	Crown land
36	-	8/5/758636	A.J. & L.E.M.M. Astley
37	-	1/14/758636, 2/14/758636, 2A/14/758636,	
		3/14/758636, 3A/14/758636, 4/14/758636, 4/14/758636, 6/14/758636, 6/14/758636	B.W. McCarron
		7/14/758636, 7A/14/758636, 8/14/758636	
		9/14/758636, 5/836923	
38	-	5/6/758636	C.A. & M.T. Powell
39	R44	6/6/758636, 7/9/758636	B.D. & G.B.L. Hayes
40	R45	8/6/758636	A.A. Casey
41	R40	A/336039	N. Tetley & S.L. Buchanan
42	R39	1/665110	B. Sheridan & J. McIntyre

Land	Residence	Section/Lot/DP	Landowner ²
Reference	Reference	2/6/759636 2/6/759636 4/6/759636	W/M Nolson
43	P/2	2/0/750030, 3/0/750030, 4/0/750030	
44	N45	2/0/77503/	Beference Not Held
45	R84	6/877483	
47	R85	5/877483	
48	R86	4/877483	R.M. Grant & M. Allatt
49	R87	3/877483	S.L. Bennett
50	R88	1/877483, 2/877483	B.R. Doherty & N.L. Watts
51	R91	23/1004205	M.J. Franz
52	R64	5/13/758636, 5A/13/758636, 6/13/758636,	
		7/13/758636, 7A/13/758636,	A.H. & C.E. Struzina
53	R65	4/13/758636, 4A/13/758636	K. Angel
54	R66	33/1012809	R. & E.P. Blakely-Kidd
55	R67	2/13/758636	N.L. Amey
56	R68	1/13/758636	J.L. & C.A. Corcoran
57	R63	2/17/758636	J.I. & C.M. Bowman
50	-	3/17/750030, 4/17/750030	
	-	0/18/758636	D.W. Wiggins Reference Net Hold
61	- P0/	1/18/758636 2/18/758636 3/18/758636	
01	1134	7/18/758636	M.A. Ross
62	R93	4/18/758636 5/18/758636 5A/18/758636	
		1/26/758636	Star Buttons Enterprises Pty Ltd
63	-	6/18/758636	Lachmere Pty Ltd
64	R70	1/40248, 11/15/758636, 1/16/758636, 2/16/758636.	S.M. McCarron
65	-	9/1068558	J.S. Weeks & J.B. McDonald
66	-	10/1068558	D.E. Jeffery & M.A. Stoyles
67	-	11/1068558	A. & M.J. McDonald
68	R19	8/1068558	A.P. Dann
69	-	7/1068558	P.A. & V.L. Grindrod
70	-	6/1068558	R.C. Stone
71	R20	5/1068558	A. & M.Z. Page
72	R6	1/797719	B. Carruthers
73	R7	253/755934	A.K. & N. Riley
74	R2	3/842928, 6/842928, 7/842928, 8/842928, 45/872802	D.B.R. & B.A. Messum
75	R16	11/709905, 9/735425, 10/735425, 1/986527	L.T. & P.S. Ruzicka
76	R17	1/831229, 2/831229	B. McDonald
77	R18	14/842928, 1/859129	G. Gibson
78	R23	4/1068558	M.L. Cathro
79	R22	3/1068558	P.J. & L.J. Cram
80	-	2/1068558	G. & J. Wheatley and K. & S. Jones
81	-	1/1068558	D.J. & L.M. Avery
82	-	4/755934	Reference Not Held
83	-	3/20/758636, 4/20/758636	H.A. Gillespie
84	-	11/574879, 12/574879, 13/574879	Tallaganda
85	-	1/19/758636	R Allen & S.M. McIlveen
86	R9	247/755934, 15/22/758636, 16/22/758636,	
00	110	17/22/758636. 18/22/758636	William Edmund Waterhouse
87	R10	5/21/758636, 6/21/758636	Sarah Elizabedth Vella
88	R11	2/53/758636, 9/53/758636	G.E. & L.H. Ison
89	-	21/720161	L.A. & G.M. Baillie
90	R13	13/24/758636, 14/24/758636, 15/24/758636,	
		16/24/758636, 17/24/758636, 18/24/758636,	B Vugec
		19/24/758636, 20/24/758636, 21/24/758636,	D. 14900
		22/24/758636, 23/24/758636, 24/24/758636	
91	-	3/24// 58636 4/26/758626	VV.A. & K.I. U'Leary
92	D1/	1/30//38030 65/755034 67/755034 101/755034 316/755034	R.J. & C.H. Smith-Roberts
93	R14 P12	163/75503A 16A/75503A	SPPW& Cootes
94	R12	125/755034 212/755034	3, F, F, W & J. Cooles
			IVI. Flakelar & J. Holmes
96	R32, R36	211/755934	B. Crittenden
97	-	202/755934	V. Laurie
98	R29	1/194317, 66/755934, 210/755934	B. & C. James
99	R1	93/755934, 166/755934	M. Toner & R. Manderson
100	R108	5/1093136	J. & K. Spring
101	-	?/54/758636	Reference Not Held
102	-	?/1/758636	Reference Not Held
103		1/23/758636	Reference Not Held
104	-	165/755934	Reference Not Held
105	R30	94/755934	Reference Not Held

Land Reference ¹	Residence Reference	Section/Lot/DP	Landowner ²			
106	R26,R27, R28	104/755934	Reference Not Held			
107	-	113/755934	Folio Cancelled			
108	-	95/755934	Reference Not Held			
109	-	101/755934	Reference Not Held			
110	-	4/755934	Reference Not Held			
111	-	9/18/758636	Reference Not Held			
112	-		Reference Not Held			
113	-	96/755934	Reference Not Held			
114	-	104/1149075	J. Stachow & R. Stachow			
115	R33	1/1093136	Brian and Karis Sanderson			
Note 1: See Figure 4.6						
Note 2: "reference not held" indicates that the owner of the land is not registered on the Land Titles Register, possibly as a						
result of the land being "Old Title."						

Source: Land and Property Management Authority (March 2010)













APPENDIX 3 INDICATIVE FINAL LANDFORM

APPENDIX 4 BIODIVERSITY OFFSET STRATEGY



APPENDIX 5 STATEMENT OF COMMITMENTS

Desired Outcome	Comr	nitment	Timing		
1 ENVIRONMENTAL M	1 ENVIRONMENTAL MANAGEMENT				
Compliance with all conditional requirements in all approvals, licences and leases.	 1.1 Comply with all commitments recorded in this statement of commitments 1.2 Comply with all conditional requirements included in the: Project Approval; 		Continuous and as required.		
	Environment Protection Licence;				
	 Mining Lease(s); and 				
	any other a	pprovals.			
All operations conducted in accordance with all relevant documentation.	 1.3 Undertake all activities in accordance with the accepted Mining Operations Plan, environmental procedures, safety management plan and/or site-specific documentation. 		Continuous and as required.		
2 AREA OF ACTIVITIES	5				
All approved activities are undertaken generally in the location(s) nominated on the figures shown in Sections 2 and 4.	2.1 Mark, and where app boundaries of the are	propriate, survey the eas of proposed disturbance.	Prior to the commencement of the relevant activity.		
3 OPERATING HOURS					
All operations are undertaken within the approved operating hours.	3.1 Undertake all activities, where practicable, in accordance with the following operating hours.		Continuous and as required.		
	Activity	Proposed Hours of Operation			
	Vegetation clearing and topsoil stripping	7:00am to 6:00pm, Monday to Saturday			
	Construction operations – Box cut	Sunday and Public Holidays			
	Blasting Operations – Box cut	9:00am to 5:00pm, Monday to Friday excluding Public Holidays			
	Construction operations – Remainder Underground mining				
	operations, including underground blasting	24 hours per day, 7 days per week			
	Processing operations –				
	except crushing and screening				
	Crushing and screening operations	7:00am to 7:00pm, 7 days per week (24 hour operations on no more than 20 days per year)			
	Transportation operations – Proponent-controlled vehicles	7:00am to 10.00pm, Monday to Saturday (excluding 7:00am to 8:30am and 3:00pm to 5:00pm school days) 8:00am to 10.00pm, Sunday and Public Holidays			

Desired Outcome	Commi	tment	Timing
	Rehabilitation operations	7:00am to 6:00pm, Monday to Saturday 8:00am to 6.00pm, Sunday and Public Holidays	
4 NOISE AND BLASTIN	1G		
Noise generated by	Site Establishment Noise Con	ntrols	O antinua durin a cita
operational activities does not exceed OEH nominated criteria nor significantly	4.1 Ensure all bulk earthwork standard construction h in commitment 3.1.	orks strictly adhere to hours of operation identified	establishment operations.
impacts on neighbouring landowners and/or residents.	4.2 Maintain the on-site roa noise from empty truck	ad network to limit body is travelling on internal roads.	Continuous during site
	4.3 Maintain an open dialo community and neighb over noise or vibration	gue with the surrounding ours to ensure any concerns are addressed.	operations.
Noise generated by operational activities does not exceed OEH nominated criteria nor significantly	Operational Noise Controls 4.4 Place and operate the engineered to achieve 12dB.	crusher within an enclosure a noise reduction of at least	
impacts on neighbouring landowners and/or residents. (Cont'd)	 4.5 Ensure that the grindin 4.6 Place and operate the below ground level rath interim ventilation fan ventilation fan ventilation of the commissioned. The in a backup ventilation sy the final fan. 	g circuit is rubber lined. ventilation fan at least 10m her than at the surface. The would be placed within the box cut until the final fan is terim fan may be retained as ystem in the event of failure of	Prior to and continuous during mining operations.
	4.7 Construct a noise bund the southern and west	d of at least 5m high along ern edges of the ROM pad.	
	4.8 Undertake attended no residences most likely generated by the Proje	bise monitoring at the to be affected by noise ect.	Continuous during mining operations.
	4.9 Prepare a Noise Mana commencement of min incorporate the specific and provide measures exceedances and/or or	gement Plan prior to the ing activities which would c details of all noise controls to address noise criteria omplaints should they occur.	Prior to commencement of mining operations.
	4.9a Ensure that Frequency Alarms are fitted to all require such alarms	Modulated Reversing mobile equipment that	Continuous during the life of the Project
All activities are undertaken in such a manner as to reduce the noise level generated and minimise impacts on surrounding landholders and/or residents.	Transport Noise Controls and4.10Ensure strict adherencidentified in commitme4.11Ensure, where practicaemployees and contratProject Site in a courtecausing undue traffic in	I Operational Procedures e to hours of operation, nt 3.1. able, that all Project ctors enter and exit the ous manner and without oise.	Continuous during transportation operations.
All activities are undertaken in such a manner as to reduce the noise level generated and minimise impacts on surrounding landholders and/or residents. (Cont'd)	4.12 Prepare and implement and ensure that all driv regularly access the Pr with the code.	t a Drivers Code of Conduct vers of heavy vehicles that roject Site sign and comply	Prior to commencement of transportation operations.
Achieve compliance with all ANZECC Blasting Guidelines.	Blasting Controls 4.13 Ensure that all blasts a qualified and experience shotfirer and that each greater than 105kg (un developed which will a predictions of blast em	are designed by a suitably ced blasting engineer or blast has an MIC of no itil such time that a site law is llow for more precise issions).	Continuous during mining operations.
such a manner as to reduce	4.14 Ensure that equipment	with lower sound power	Continuous during mining operations.

Desired Outcome		Commitment	Timing
the noise level generated and minimise impacts on surrounding landholders and/or residents.	4.15	levels is used in preference to more noisy equipment and that frequency modulated reversing alarms are installed on all mobile equipment operating on the surface. Maintain an open dialogue with the surrounding community and neighbours to ensure any concerns	
		over noise or vibration are addressed.	
5 ECOLOGY	-		
Management of disturbance within the Project Site to minimise impact on fauna of conservation value.	5.1	Ensure that, no ground disturbing activities are undertaken within areas of identified Ribbon Gum Forest and Fragmented Ribbon Gum Forest.	Continuous during site establishment operations.
Maintenance and improvement of the biodiversity value of the Project Site and surrounding	5.2	Avoid the use of phosphate-based fertiliser in pasture areas to encourage the regeneration of native grasses.	
areas.	5.3	Manage grazing operations, including stocking rates and fencing, in a manner to sustain and facilitate the spread of native grass species.	
	5.4	Fence all areas of Ribbon Gum Forest and Fragmented Ribbon Gum Forest to exclude stock.	
	5.4a	Manage all areas of Ribbon Gum Forest and Fragmented Ribbon Gum Forest to maintain to improve biodiversity values.	Continuous during the life of the Biodiversity Strategy.
	5.5	Ensure that areas of habitat suitable for the Majors Creek Leek Orchid are appropriately identified and fenced with a 20m buffer and access restricted. Ensure no disturbance occurs within the fenced areas.	
	5.6	Prepare a management plan to ensure that Common Wombat are not harmed during establishment of the tailings storage facility. This plan may include the following.	
Maintenance and improvement of the biodiversity value of the Project Site and surrounding areas. (Cont'd)		 Mark all wombat burrows prior to the commencement of ground disturbing activities. Commence ground disturbing activities on the upper slopes of creek banks a few days before disturbing the identified hollows to allow individual wombats time to vacate their burrows at night when equipment is not operating. Inspect all burrows to ensure that common wombats have vacated the proposed area of disturbance. Any remaining wombats would be relocated in consultation with a suitably qualified and experienced wildlife carer, fauna ecologist and/or local wombat expert. 	Continuous during the life of the Biodiversity Strategy.
	5.7	Continue the existing weed and pest control program, with particular focus on managing Broom and Blackberry within the southern section of the Project Site.	
	5.8	Ensure that dead fallen and standing timber are not removed or disturbed to preserve fauna habitat.	
	5.9	Implement fully the Biodiversity Strategy described in Section 2.15 of the <i>Environmental Assessment</i> , including ensuring that the strategy would be implemented in perpetuity	
	5.10	Prepare a Biodiversity Management Plan in consultation with the relevant government agencies and surrounding community within 12 months of	Within 12 months of commencement of mining operations.

Desired Outcome	Commitment	Timing
	 receipt of the project approval. That plan would: specify biodiversity-related actions to be undertaken during the life of the Project and for several years after the site has been decommissioned; incorporate the above commitments; describe management of the proposed biodiversity area; describe the proposed revegetation and amelioration program, including identification of areas to be revegetated/ameloriated and the species to be used; and involve, where practicable, local community groups in management of biodiversity with in the Project Site. 	
Maintenance and improvement of the biodiversity value of the Project Site and surrounding	5.11 Construct the proposed water pipelines in a manner that would not disturb any Ribbon Gum Forest nor any vegetation over 3m height	During pipeline construction
areas. (Cont'd	5.12 Identify a suitable final landform in consultation with the relevant government agency(ies), including reducing the angle of the walls of the box cut to permit placement of soil material and revegetation.	During preparation of the final closure plan
6 GROUNDWATER		
Mitigate potential adverse impacts to surrounding groundwater users.	 6.1 Undertake consultation with the owners of bores or users of springs that are predicted to be adversely impacted by the Project or have been determined by an independent hydrologist to have been adversely impacted by the Project. The consultation would be directed at seeking to adequately mitigate or compensate the owners or users for the identified adverse impacts. Options include deepening or redrilling and re-equipping the existing bores or providing additional water from another source to compensate for the reduced groundwater supply. 6.2 Monitor groundwater levels in surrounding, privately-owned bores on request. The Proponent would ensure that all landholders in the vicinity of the anticipated zone of groundwater drawdown are briefed on the anticipated impacts and that an appropriate monitoring program is negotiated. In addition, a similar offer would be made to all other land owners with bores in the vicinity of the Project Site. Monitoring frequency would be reviewed at least annually and adjusted, as required. This may include removing some monitoring locations in consultation with the relevant government agencies. 	Prior to and during the life of the Project.
Compensate for anticipated reduced groundwater discharges to surface water.	 6.3 Release water sourced primarily from the harvestable rights dams at the rates identified in Table 4.20 of the <i>Environmental Assessment</i> into Majors Creek at the confluence of Majors and Spring Creeks. These environmental discharges are to continue from the commencement of mining operations until 2 years after the cessation of dewatering operations. 6.4 Negotiate an appropriate arrangement with the 	From commencement of mining operations until 2 years after the cessation of dewatering operations.
	owners of Lot 210, DP755934 to allow construction or equipping of a bore to access groundwater within the Snobs workings.	of that bore and extraction of water.
Compensate for anticipated reduced groundwater	6.4a Ensure that water extracted from the historic workings is used for mining-related purposes only.	Continuous during the Life of the Project
discharges to surface water. (Cont'd)	6.4b Install separate pipelines for surface water and groundwater and ensure that the two classes of water are not mixed.	During construction operations
Confirm the accuracy of the groundwater model and anticipated impacts.	6.4c Undertake preliminary groundwater monitoring within and surrounding the Project Site during preparation of the <i>Water Management Plan</i> and	As soon as practicable and during the life of the Project

Desired Outcome	Commi	tment	Timing
	adjust the monitoring to once it has been appro government agencies. 4d Undertake, in consulta confirm the assumed h	b be consistent with that plan wed by the relevant tion with DPI, a pump test to ydrological parameters used	
	4e Undertake a review of model based on the ab actual impacts are sigr presented in AGE (201 consult with DPI in rela results and would deve and mitigation measure 4f Present the results of t	the numerical groundwater ove. In the event that the ificantly greater than those 0), then the Proponent would tion the revised modelling elop appropriate management as to address those impacts he review of the numerical	Prior to commencement of mining operations and every two years following commencement of those operations. With 3 months of the
	groundwater model to agencies.	the relevant government	completion of each review
contamination.	 a bunded area comply Australian Standard. Refuel all equipment w areas of the Project Site 	ithin designated, sealed where practicable.	-
	 7 Undertake all maintena hydrocarbons, where p areas of the Project Sit workshop. 8 Direct all water from water 	ince works involving racticable, within designated e such as the maintenance ash-down areas and	-
	 workshops to oil/water systems. Ensure all hydrocarbor are either self-bunded impermeable surface a minimum 110% of the Design and construct t 	and chemical storage tanks or bunded with an and a capacity to contain a largest storage tank capacity. he tailings storage facility as and in accordance with the	Continuous during the life of the Project.
	requirements of the rel Key design parameters – Construct the floor storage facility in a a permeability of le	and in accordance with the evant government agencies. would be as follows. and walls of the tailings manner that would achieve ess than $1 \times 10-9m/sec$.	
IVIInimisation of groundwater contamination.(Cont'd)	 Ensure that the tai embankment is ke material in a mann slope migration of groundwater from Place residue unifu the tailings storage spigots. Construct seepage foot of the tailings and ensure that ar pumped back to th Install piezometers storage facility em regularly to assess (see Section 4.5.6 	Ings storage facility yed into the underlying er that would prevent down potentially contaminated the facility. ormly around the perimeter of a facility via several slurry collection structures at the storage facility embankment y captured seepage is le tailings storage facility. at the base of the tailings bankment and monitor these the integrity of the facility).	Continuous during the life of the Project.
	11 Ensure that the upper a Tailings Storage Facilit clay or artificial liner in government agency.	surface of the proposed y is capped with a suitable consultation with the relevant	During rehabilitation operations
	12 Cap the tailings storag and rehabilitation to mi infiltration of surface w nature of the cap is to	e facility during final shaping nimise the potential for ater into the facility. The be determined in consultation	During final rehabilitation

NSW Government Department of Planning & Infrastructure

Desired Outcome	Commitment	Timing
	with the relevant government agencies during preparation of the <i>Closure Plan</i> .	
7 SURFACE WATER		
Appropriately document	General Management and Mitigation Measures	
Surface Water, Sediment and Erosion management measures.	7.1 Prepare a detailed Surface Water, Sediment and Erosion Control Plan, including a description of surface water management structures and procedures to ensure that the criteria identified in Section 4.4.3 of the Environmental Assessment and any additional criteria included in the Environment Protection Licence or project approval, assuming that they are granted, are achieved. This would include a description of how all potentially chemicalladen or contaminated water would be retained within the Project Site and returned to the process water system for re-use within the processing plant.	Prior to commencement of mining operations.
Minimise the volume of water	7.2 Ensure that the site access road is treated using	Continuous during the
required to be used for mining-	chemical dust suppressants or similar to ensure	life of the Project.
Minimipation of angular and	Exercise and Sediment Central Massures	
Minimisation of erosion and sedimentation.	 Erosion and Sediment Control Measures 7.3 Ensure that best-practice erosion and sediment control measures as identified in Landcom (2004) Managing Urban Stormwater: Soils and Construction, 4th ed, Landcom, NSW, Sydney and Department of Environment and Climate Change (DECC). (2008a). Managing Urban Stormwater: Soils and Construction. Volume 2E Mines and Quarries. NSW Department of Environment and Climate Change, Sydney. Department of Construction. Volume 2C Unsealed Roads. NSW Department of Environment and Climate Change, Sydney are implemented during both the construction and operational stages of the Project. 7.4 Construct appropriate sediment basins of sufficient size to contain a five-day, 75th percentile rain depth of 18mm during construction of the Project and a 20-day, 90th percentile rain depth of 73.7mm during operation of the Project. 7.5 Ensure that sediment basins have a minimum of 0.6m of freeboard and a spillway that is sized and lined for stability in a 100-year annual recurrence interval (ARI) rain event. 7.6 Ensure that accumulated water within sediment basins has a total suspended sediment concentration of less than 50g/L. This may require flocculation. 7.7 Ensure that accumulated water within sediment basins is removed from the basins within 5 days of the end of a rain event. 7.8 Ensure that the upper limit of the Sediment Storage Zone, as defined in Landcom (2004) Managing Urban Stormwater: Soils and Construction, 4th ed, Landcom, NSW, Sydney, is identified with a peg and accumulated sediment removed as required. 7.10 Ensure that surface water flows are diverted away 	Continuous during the life of the Project.
Minimisation of erosion and sedimentation. (Cont'd)	7.10 Ensure that surface water flows are diverted away from disturbed areas and that potentially sediment- laden flows from disturbed areas are diverted to sediment basins. All diversion structures would be sized and lined for stability in a 10-year ARI time-of- concentration rain event during construction of the Project and the 20-year ARI time-of-concentration	Continuous during the life of the Project.

Desired Outcome		Commitment	Timing
		rain event during operation of the Project.	
	7.11	Ensure that disturbed areas are stabilised through	
		the use of vegetation or artificial covers to achieve a	
		long-term C-factor of 0.05 (equivalent to 70% grass	
		channelized water flows, they should be stabilised	
		within 10 days of completion of construction and	
		before they convey any flows.	
	7.12	Inspect all surface water control structures at least	
		quarterly and following any rainfall event of more	
		than 10mm in 24-hours to ensure their adequacy	
	7 13	Ensure that all roads within the Project Site are	
	7.10	constructed in accordance with Department of	
		Environment and Climate Change (DECC).	
		(2008b). Managing Urban Stormwater: Soils and	
		Construction. Volume 2C Unsealed Roads. NSW	
		Department of Environment and Climate Change,	
	7 1/	Sydney. Construct table drains along the sides of roads	-
	7.14	within the Project Site, with regular turn-out drains	
		constructed at-grade approximately every 50m.	
	7.15	Continue to maintain and upgrade, as required, the	
		existing soil conservation measures in areas of	
		active and stabilised gullying.	
Prevention of contamination of	Water G	Quality Measures	
surface waters.	7.16	Ensure that the failings storage facility is effectively	Prior to the
	7 17	Ensure that potential surface water run on onto the	commencement of
		tailings storage facility is diverted around the facility	processing
		using a surface water diversion structured designed	operations.
		to effectively convey the 100-year ARI, time-of-	
	7.40	concentration flow from the upstream catchment.	
Prevention of contamination of	7.18	Ensure that all fuel and chemical storage, delivery	
surface waters. (Cont d)		bunded and that overflow pipes are installed in a	
		manner that would minimise the potential for	
		pollution in the event of overfilling.	
	7.19	Ensure that no low grade ore material is used to	
		construct the ROM Pad or is stored in areas where	
		potentially low-pH leachate may flow to natural	
	7 20	Ensure waste rock material to be used during site	Continuous during the
	1.20	establishment operations is tested for acid	life of the Project.
		generation potential and any potentially acid	-
		generating material is appropriately managed.	
	7.21	Ensure that all water with the potential to contain	
		chemicals or lowered pH is contained within a	
		bunded Contaminated Water Management Area	
		and that all surface waters within the that area	
		retained and pumped to the Process Water Tank for	
		use within the processing plant.	
8 ABORIGINAL HERIT	AGE		
Site activities are undertaken	8.1	Re-identify Sites GT0S1 to GT0S5 in the field with	
without impacting upon any		the assistance of a suitably qualified archaeologist	Prior to the
Aboriginal heritage items.		and community representative(s). A fence a	commencement of
		minimum of 20m on all sides of the artefact would	site establishment
		be restricted and appropriate signage would be	operations.
		displayed.	
	8.2	Identify all sites on plans held by the Environmental]
		Manager and Mine Surveyor and activities in the	
	1	vicinity of those sites would be prohibited.	

Desired Outcome	Commitment	Timing
	 8.3 If items of suspected Aboriginal heritage significance are identified throughout the life of the Project, the following procedures would be implemented. Step 1 - No further earth disturbing works would be undertaken in the vicinity of the suspected item of Aboriginal heritage significance. 	
Site activities are undertaken without impacting upon any Aboriginal heritage items. (Cont'd)	 Step 2 - A buffer of 20m x 20m would be established around the suspected item of Aboriginal heritage significance. No unauthorised entry or earth disturbance would be allowed with this buffer zone until the area has been assessed. Step 3 - A qualified archaeologist or the OEH would be contacted to make an assessment of the discovery. Mitigation procedures would then be developed and implemented based on the assessment. 8.4 If, throughout the life of the Project, suspected human remains are identified, the following procedures would be implemented. Step 1 - the suspected skeletal remains would not be touched or disturbed. Step 2 - A buffer zone of 50m x 50m would be established around the suspected remains and all work in the vicinity of the suspected remains would be suspended until the area has been assessed. Step 3 - The NSW Police and the OEH would be contacted to make an assessment of the discovery. If appropriate, mitigation procedures would then be developed in consultation with the project at whethelders. 	Continuous during the life of the Project.
9 NON ABORIGINAL H	ERITAGE	
Site activities are undertaken without impacting upon any significant non-Aboriginal heritage items.	9.1 Identify on plans held by the Environmental Manager and Mine Surveyor, where relevant, all identified sites and ensure that activities in the vicinity of those sites are appropriately managed.	Prior to the commencement of site establishment operations.
Site activities are undertaken without impacting upon any significant non-Aboriginal heritage items.	 9.2 If items of suspected non-Aboriginal heritage significance are identified throughout the life of the Project, the following procedures would be implemented. Step 1 - No further earth disturbing works would be undertaken in the vicinity of the suspected item of non-Aboriginal heritage significance. Step 2 - A buffer of 20m x 20m would be established around the suspected artefact. No unauthorised entry or earth disturbance would be allowed with this buffer zone until the area has been assessed. Step 3 - A qualified archaeologist would be contacted to make an assessment of the discovery. Mitigation procedures would then be developed and implemented based on the assessment. 	Continuous during the life of the Project.
10 TRAFFIC AND TRAN	SPORTATION	
Achieve safe and efficient transport operations.	Site Access Road 10.1 Ensure horizontal alignment complying with the maximum grades and changes of grade outlined in the Australian Standards for Off-Street Commercial Vehicle Facilities. Maximum vertical grades would be approximately 10%.	During site establishment operations.
	10.2 Grade the gravel surface of the road treated with chemical suppressants to minimise dust generation.	Continuous during the life of the Project.

Desired Outcome		Commitment	Timing
	10.3	Construct the road layout to ensure that all vehicles	
		would enter and exit the site in a forward direction.	During site
	10.4	Seal the initial 200m of the site access road in a manner that would prevent tracking of material onto	operations.
		Majors Creek Road	
	Operati	onal Controls	
	10.5	Load all heavy vehicles transporting concentrate	Continuous during the
		indicator. All vehicles would be loaded in a manner	life of the Project.
		that would ensure that they were not overloaded.	
	10.6	Establish a speed limit of 40km/hr on the site access road and 20km/hr in the operational	During site
		sections of the Project Site.	operations.
	10.7	Ensure all Proponent-controlled heavy vehicle	
		6:00pm Monday to Saturday and 8:00am and	
		6:00pm Sunday. Furthermore, the movement of	Continuous during the
		such heavy vehicles to and from the Project Site	life of the Project.
		8:30am and 3:00pm to 5:00pm on school days to	
		avoid potential conflict with the local school bus	
Achieve safe and efficient	10.8	services. Develop and enforce a Code of Conduct for all	
transport operations. (Cont'd)	10.0	drivers for all heavy vehicles that travel to and from	
		the Project Site regularly. The Code of Conduct	
		maintained at all times and nominate the maximum	
		vehicle speed on Majors Creek Road of 80km/hr for	
		heavy vehicles travelling to and from the Project Site. The code would also include specific	During site
		requirements for practices to be adopted during	establishment
		periods of fog, such use of headlights / fog lights	operations.
		conditions as required, as well as limiting noisy	
		driving practices in the vicinity of residences.	
	10.9	Approach Palerang Council with a view to erecting signs in appropriate locations requesting heavy	
		vehicles to consider residents and limit noisy driving	
	10.10	practices.	
	10.10	and substantiated incidents acted on decisively,	Continuous during the
		which could include the banning the offending	life of the Project.
	Road U	pgrades	
	10.11	Provide centreline road marking along the full	
		length of Majors Creek Road between the Araluen	During site
		whether project approval is granted. This will assist	operations. (Note:
		drivers using Majors Creek Road to drive on the left	this was completed in
		of the centreline at all times, particularly those times	November 2010).
		safety.	
	10.12	Provide signage/delineation and appropriate	
		Creek Road at 4.4km and 4.9km from the	
		intersection of Majors Creek Road and Araluen	
		Road, as well as at the bridge structure over	During site
		to completing this road upgrade prior to the	establishment
		commencement of the operational phase of	operations.
	10.13	Provide pavement widening on curves and crests	1
		on Majors Creek Road at the following chainages,	
		as measured from the intersection of Majors Creek	
	Road M	aintenance	Prior to the
	10.14	Formalise a Section 94 Contributions arrangement	commencement of
		or section 93F Planning Agreement for ongoing	transportation

Desired Outcome	Commitment		Timing
	road maintenance with Pale	erang Council	operations.
11 AIR QUALITY AND E	RGY		
Site activities are undertaken without exceeding OEH air quality criteria or adversely impacting upon surrounding receivers.	.1 Implement "best practice" r control.	nanagement for pollution	Continuous during the life of the Project.
12 VISUAL AMENITY			
Limit the visibility of operational areas from nearby residences and Majors Creek Road.	2.1 Construct and revegetate a southern and western edge soon as practicable after th mining operations. This bu southern and western face be temporarily covered with revegetated with appropria practicable after completion visual impact of the ROM p minimised to the greatest edgetated to the greatest	5m high bund on the of the ROM pad as e commencement of ind, together with the s of the ROM pad, would n soil material and te species as soon as n to ensure that the wad and bund is extent practicable.	During site establishment operations
	2.2 Ensure progressive reshap areas that are no longer re- purposes.	ing and rehabilitation of quired for mining related	During progressive rehabilitation operations.
	2.3 Continuation of the existing limit views of the Project Si southwest, south and south	tree planting program to te from areas to the neast of the Project Site.	During progressive rehabilitation operations.
	2.4 Construction of the process infrastructure within the Process reflective, neutral-coloured	sing plant and other oject Site from non- material.	During site establishment operations.
	 Selection and placement of temporary lights such that t do not impact on the vi the Newell Highway; do not point towards su minimise the 'loom' creation 	permanent and he lights sion of motorists using urrounding residences; or eated by the lights.	During site establishment operations.
	Consider any reasonable reading affected resident for assistation screen adjacent to their resident for assistation and the screen adjacent to their results of fast growing vegetation a where such a screen would visual impact of the Proport life of the Project.	aquest by a potentially ance to create a visual sidence through planting and/or landscaping d effectively reduce the sent's activities during the	Continuous during the life of the Project
13 SOILS AND LAND CA	ABILITY		
Maintenance of soil value for rehabilitation and minimisation of soil loss through erosion.	 Strip soil materials to the de Table 2.2 of the <i>Environme</i> Strip soil materials only wh moist to preserve soil struc 	epths identified in Intal Assessment. en they are moderately ture.	During site establishment operations.
Maintenance of soil value for rehabilitation and minimisation	3.3 Stockpile topsoil and subsc	il materials separately.	
of soil loss through erosion. (Cont'd)	 Construct soil stockpiles as mounds on slopes of less t stockpiles would be less th stockpiles would be less th stockpiles would be less th stockpiles achieve a 70% vegetative of formation. This may be achieved organic material 	low, flat, elongated han 1:10 (V:H). Topsoil an 2m high and subsoil an 3m high. and rehabilitated areas cover within 10 days of hieved through use of	During site establishment operations.
Maximising the potential for successful rehabilitation of disturbed sections of the Project Site	8.6 Place soil material in areas same stratigraphic order in removed. Topsoils of one s be mixed with topsoils soils unit. Similarly, subsoils of may be mixed with subsoils landscape unit.	to be rehabilitated in the which they were soil landscape unit may of the other landscape one soil landscape unit s soils of the other	During rehabilitation operations.

Desired Outcome	Commitment	Timing
Minimise the potential for erosion and sedimentation	 13.7 Ensure that ground disturbing activities are limited to the period from 1 March to 30 November, unless measure identified in Landcom (2004) Managing Urban Stormwater: Soils and Construction, 4th ed, Landcom, NSW, Sydney and Department of Environment and Climate Change (DECC). (2008a). Managing Urban Stormwater: Soils and Construction. Volume 2E Mines and Quarries. NSW Department of Environment and Climate Change, Sydney. Department of Environment and Climate Change (DECC). (2008b). Managing Urban Stormwater: Soils and Construction. Volume 2E Mines and Quarries. NSW Department of Environment and Climate Change (DECC). (2008b). Managing Urban Stormwater: Soils and Construction. Volume 2C Unsealed Roads. 	During site establishment operations.
Minimise the potential for erosion and sedimentation. (Cont'd)	 NSW Department of Environment and Climate Change, Sydney are implemented, including ensuring that soils are not exposed during any period when the three-day weather forecast suggests rain is likely. 13.8 Ensure that slope lengths are no longer than 80m. 13.9 Ensure that run-on from upslope is diverted away from disturbed areas. 	During site establishment operations.
14 SOCIO-ECONOMIC		
Maximise the positive impacts and minimise any actual or perceived adverse impacts on the social fabric or facilities available to the community surrounding the Project Site. Maximise the positive impacts and minimise any actual or perceived adverse impacts on the social fabric or facilities available to the community surrounding the Project Site. (Cont'd)	14.1 Engage each of the communities surrounding the Project Site in regular dialogue in relation to the proposed and ongoing operation of the Project and maintain an "open door" policy for any member of those communities who wishes to discuss any aspect of the Project.	Prior to, during and following the life of the Project.
	 14.2 Proactively and regularly consult with those residents most likely to be adversely impacted by the Project, particularly those within the Majors Creek Community. 14.3 Continue to support community organisations, 	Prior to, during and following the life of the Project.
	groups and events, as appropriate, and review any request by a community organisation for support or assistance throughout the life of the Project. Particular emphasis would be placed on providing support to those organisations, groups or events that service the communities in Majors Creek, Araluen or Braidwood.	
	 14.4 Form and maintain a Community Consultative Committee (CCC), including representative members of the community and Palerang Council. It is noted that the Proponent has previously consulted with the Majors Creek Community Liaison Committee. The Proponent would continue to do so, either as part of the CCC or separately. 	
	 14.5 Regularly brief the CCC and wider community on activities within the Project Site and seek feedback in relation to Project-related impacts whether actual or perceived. In addition, seek advice in relation the most appropriate manner in which to provide assistance to the community in an effective, fair and equitable manner. 14.6 Advertise and maintain a community complaints 	
	 telephone line. 14.7 Give preference when engaging new employees, where practicable, to candidates who are part of the Majors Creek, Araluen or Braidwood communities over candidates with equivalent experience and qualifications based elsewhere and ensure that the mining and other contractors do so as well. 14.8 Encourage the involvement of the local Aboriginal community in the workforce. 	

Desired Outcome		Commitment	Timing
	14.9	Encourage and support participation of locally based employees and contractors in appropriate training or education programs that would provide skills and qualifications that may be of use to encourage and further develop economic activity within the surrounding communities following completion of the Project	
	14.10	Give preference, where practicable, to suppliers of equipment, services or consumables located within the Palerang LGA.	
Maximise the positive impacts and minimise any actual or perceived adverse impacts on the social fabric or facilities available to the community surrounding the Project Site. (Cont'd)	14.11 14.12 14.13	Assist community members and others, as appropriate, to establish complimentary businesses within the Palerang LGA where those businesses would provide a benefit to the community through increased economic activity or development. Assist Palerang Council to promote and encourage economic development that would continue beyond the life of the Project. Ensure that infrastructure and services installed for	
	14.14	the Project, including the electricity transmission facilities, road improvements and water supply bores, remain available for alternative uses during and/or following completion of the Project.	Prior to, during and
	14.14	Encourage and support, in consultation with the local community, the provision of services to the community. These may include health, education, transportation and other services.	Project.
	14.15	Assessment including continued management of weeds, pests and bushfire risks on land held by the Proponent in consultation with surrounding landowners. Ensure that the land capability of those sections of the final landform to be used for agricultural	
		purposes is similar to the current land capability.	
15 ENVIRONMENTAL M	Noise	ING	
Ongoing monitoring and reporting of Project-related environmental impacts.	15.1	Present the results of the monitoring program in the Annual Environmental Management Report that would be prepared for the Project to ensure that noise and vibration impacts associated with the Project are managed appropriately.	
	15.2	Prepare a Noise and Vibration Monitoring Program prior to commencement of site construction. This program would be developed in consultation with the Department of Planning, Department of Environment, Climate Change and Water and the local community, and include the following elements.	Prior to, during and following the life of the Project.
		 Noise compliance monitoring would be undertaken during both the daytime and night time periods during the site establishment phase. 	
Ongoing monitoring and reporting of Project-related environmental impacts. (Cont'd)		 Routine noise compliance monitoring would be conducted on a quarterly basis during the first two years of the operational stage of the Project. The frequency of ongoing monitoring would be determined based. 	Prior to, during and following the life of the Project.
		 Suitable monitoring locations would include R107, R108, R31, R30, R27, R34 and R10 which are the closest locations surrounding the Project Site and compliance at these locations would imply compliance at more distance receivers. 	

Desired Outcome	Commitment	Timing
	 Noise monitoring would be undertaken by a suitable qualified and experienced acoustical 	
	consultant.	
	 Ecology 15.3 Ensure that the following ecology-related monitoring is undertaken during the life of the Project. The results of the monitoring program would be reported in each Annual Environmental Management Report prepared for the Project. 	
	 Ensure that searches for Major's Creek Leek Orchid are undertaken during the flowering period for the orchid, both within suitable habitat areas within the Project Site and within the Majors Creek Cemetery. 	
	 Ensure that all areas undergoing rehabilitation are be monitored on a 6 monthly basis to determine the success or otherwise of the management, mitigation and ameliorative measures and the rehabilitation programs. 	
	 Establish a set of photographic reference points and ensure that photographs are taken at six monthly intervals to document activities within the Project Site, including weed control and revegetation actions. 	
	 Ensure that flora and fauna species and vegetation communities within the Project Site are monitored regularly, indicatively every two vears, to identify any Project-related impacts 	
	Groundwater	Prior to, during and
	15.4 Monitoring of groundwater levels in the bores, exploration holes and workings identified in Table 4.21 of the <i>Environmental Assessment</i> as well as other bores and springs surrounding the Project Site as required or as requested by	following the life of the Project until relevant government agencies agree that further monitoring is not
Ongoing monitoring and reporting of Project-related environmental impacts. (Cont'd)	 15.5 Continuous monitoring of groundwater levels in 8 bores/exploration holes using an automated standing water level monitor to determine the 	
	 groundwater response following rainfall events. 15.6 Monitoring in the field of pH, temperature and EC of groundwater in the bores, exploration holes and workings identified in Table 4.21 of the <i>Environmental Assessment</i> as well as other bores and springs surrounding the Project Site as required or as requested by landholders. 	
	 15.7 Monitoring in the laboratory of groundwater in the bores, exploration holes and workings identified in Table 4.21 of the Environmental Assessment for the following parameters. Alkalinity. Major cations and anions. Nutrients – (ammonia, nitrate, nitrite). Metals – (iron, lead, chromium, cadmium, zinc, arsenic, copper and nickel). 	Prior to, during and following the life of the Project until relevant government agencies agree that further monitoring is pot
	 15.8 Continuous monitoring of the volumes of all water pumped or permitted to flow around the Project Site using inline meters. This would include water pumped or permitted to flow: from the Dargues Reef Mine to the surface and visa versa; from the harvestable rights dams; from the historic workings; and to and from the tailings storage facility. 	required
	15.9 Review of all data on receipt against previous monitoring results. Where the review indicates a sudden or unexpected change in a bore, then further investigations by an independent expert	

Desired Outcome	Commitment	Timing
	would be initiated. If the investigation indicates that the Project has caused the sudden or unexpected change, then the Proponent would negotiate an appropriate arrangement with the owner of the bore.	
	 15.10 Undertake a formal assessment of the groundwater model within two years of the commencement of mining operations to ensure that the observed groundwater data matches the expected groundwater impacts. 15.11 Annual analysis of monitoring data and trends in the existence of monitoring data and trends in the state of monitoring data and trends in the state. 	Prior to, during and following the life of the Project.
Ongoing monitoring and	site's Annual Environmental Management Report.	
Ongoing monitoring and reporting of Project-related environmental impacts. (Cont'd)	 Surface Water 15.12 Undertake monthly surface water monitoring at the following locations (Figure 4.3). Location 1 – Majors Creek upstream of the confluence of Spring & Major's Creek. Location 3 – downstream of the tailings storage facility. It is noted that this sampling location would be incorporated into the Tailings Management Plan. Location 4 – Spring Creek downstream of main Project infrastructure and sediment basin outlets. Discharge point for the compensatory flows (sampling to be undertaken initially daily for the first three months of the program, with the frequency to be increased in consultation with the relevant government agency after that period). 15.13 Undertake sampling monthly for the following Field measurements. Field pH. Field Electrical Conductivity. Dissolved Oxygen. Oxidation Reduction Potential. Temperature. Laboratory analysis. pH. Electrical Conductivity. Total Suspended Solids. Major cations i.e. chloride and sulphate. Total Oxidized Nitrogen (organic nitrogen plus ammonia nitrogen). Total Oxidized Nitrogen (also referred to as NOx-N = nitrate + nitrite nitrogen forms). Ammonia Nitrogen. Total Phosphorus and Reactive Phosphorus. Metalloids (aluminium, arsenic, total iron and filterable iron, zinc). The frequency of monitoring is to be reviewed in consultation with the relevant government agency after completion of the initial 12 months of monitoring. 	Prior to, during and following the life of the Project.
Ongoing monitoring and	Air Quality	
reporting of Project-related environmental impacts.	15.14 Implement an Air Quality Monitoring Program in consultation with OEH and the surrounding Community. Given the relatively low level of impact associated with the Project, it is anticipated that this would be restricted to the installation and	Prior to, during and following the life of the Project.

Desired Outcome	Commitment	Timing
	management of several dust deposition gauges surrounding the Project Site.	
16 DOCUMENTATION		
Ensure Appropriate documentation of the proposed	16.1 The Proponent would prepare the following documentation.	
mining-related activities.	 Mining Operations Plan, including a Rehabilitation Management Plan. Noise Management Plan. Air Quality and Greenhouse Gas Management Plan. Water Management Plan. Biodiversity Management Plan. Aboriginal Heritage Management Plan. Traffic Management Plan. Waste Management Plan. Bushfire Management Plan. 	Prior to the commencement of site establishment operations.
	 Blast Management Plan. 	Prior to commencing blasting operations

APPENDIX 6 GENERAL TERMS FOR THE PLANNING AGREEMENT

A. Payment towards roads at time of approval of Construction Certificate	Amount (as at March 2010)
 For road upgrading works along the haulage route to/from the mine, including widening of seal over crests and around curves and line marking of Majors Creek Road. 	\$559,000 Pavement widening \$15,000 Line marking
For pavement upkeep during mine construction	\$78,000
Subtotal	\$652,000
B. Annual payment towards ongoing pavement upkeep along haulage route and towards improvements to intersections if possible within the limit of funds.	\$78,000
C. Community benefit payment at time of approval of Construction Certificate towards upgrade of Braidwood Recreation Ground.	\$375,000
D. Payment for disposal of putrescibles waste at Braidwood landfill (strictly no waste to be taken to other Council landfills)	\$120 per tonne

Note: Rates are as per March 2010 and are to be CPI indexed each year.