

# MANAGEMENT PLAN

## Mt Arthur Coal Environmental Management StrategyMAC-ENC-MTP-041



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Key Contact: Manager Health Safety Environment

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# 1 Preface

Hunter Valley Energy Coal Pty Ltd (HVEC) operates the Mt Arthur Coal Mine Complex (MAC) which consists of approved open cut and underground mining operations, a rail loop and associated rail loading facilities in accordance with the Mt Arthur Coal Open Cut Consolidation Project Approval (09\_0062 MOD 1) dated 26 September 2014 (Project Approval), and Environment Protection Licence No. 11457 (EPL). The operations are located in the Upper Hunter Valley, NSW, approximately five kilometres south west of Muswellbrook.

A full project description, including baseline data, history of operations, current operating philosophy and mining methods is provided in the Mt Arthur Coal Consolidation Project Environmental Assessment (EA) (Hansen Bailey, 2009) and Mt Arthur Coal Open Cut Modification Environmental Assessment (Resource Strategies, 2013).

In addition, underground mining with a rate of up to 8 Mtpa was approved under PA 06\_0091 on 2 December 2008. The Mt Arthur Underground approval was restated in the 2009 Open Cut Consolidation Project Environmental Assessment. It should be noted that although open cut and underground mining are approved to rates of 32 and 8 Mtpa, respectively, the total site extraction rate is limited to 36 Mtpa by PA 09\_0062.

## 2 Statutory Approvals

Statutory Approvals that relate to Mt Arthur Coal are listed in **Error! Reference source not found.**1. Other regulatory instruments, for example water licences and mining leases are recorded in the NSW Energy Coal (NEC) MAC-ENC-STD-006 Compliance Register.

*Table 1: Mt Arthur Coal Statutory Approvals*

Project Approval	Regulatory Authority	Approval date
Proponent: Hunter Valley Energy Coal Pty Ltd Project: Mt Arthur Coal Mine – Open Cut Consolidation project Application number: 09_0062	NSW Department of Planning, Industry and Environment (DPIE)	24/9/2014
Proponent: Hunter Valley Energy Coal Pty Ltd Project: Mt Arthur Coal Mine – Underground Project ** Application number: 06_0091	NSW Department of Planning, Industry and Environment (DPIE)	2/12/2008
EPBC Approvals	Regulatory Authority	Approval date
Proponent: Hunter Valley Energy Coal Pty Ltd Project: Mt Arthur Coal Extension Project Application number: EPBC 2011/5866	Department of Agriculture, Water and Environment for consistency (DAWE)	23/10/2017
Proponent: Hunter Valley Energy Coal Pty Ltd Project: Mt Arthur Coal open cut modification Application number: EPBC 2014/7377	Department of Agriculture, Water and Environment for consistency (DAWE)	5/12/2016
Environment Protection Licence	Regulatory Authority	Issue Date
Licence number: EPL 11457	Environment Protection Authority (EPA)	09/10/2001
Mining & Exploration Leases	Regulatory Authority	Issue Date
CCL 744	NSW Resources and Geoscience	03/07/1989
CL 396	NSW Resources and Geoscience	23/06/1992
ML 1358	NSW Resources and Geoscience	21/09/1994
ML 1487	NSW Resources and Geoscience	13/06/2001
ML 1548	NSW Resources and Geoscience	31/05/2004
ML 1593	NSW Resources and Geoscience	30/04/2007
ML 1655	NSW Resources and Geoscience	03/03/2011
ML 1739	NSW Resources and Geoscience	25/07/2016
ML1757	NSW Resources and Geoscience	07/07/2017
MPL 263	NSW Resources and Geoscience	17/10/1990
A 171	NSW Resources and Geoscience	18/10/2004
A 437	NSW Resources and Geoscience	04/03/1991
EL 5965	NSW Resources and Geoscience	14/07/2007
Drayton sublease CL 395	NSW Resources and Geoscience	13/04/2006 (registered 14/06/2013)
Drayton sublease CL 229	NSW Resources and Geoscience	13/04/2006 (registered 14/06/2013)

\*\*Note: Currently the Underground Project associated with PA 06-0091 is not operational; however the Conditions within the Approval have been considered in the development of this Strategy e.g. incident reporting requirements.

The Project Approval conditions relevant to this Strategy are outlined in Appendix 7, together with how each condition is addressed within this document.

The following primary legislation is applicable to Mt Arthur Coal:

- *Environment Protection and Biodiversity Act 1999* (Commonwealth) – provides legal framework for the Australian environment, in particular the protection and management of nationally and internationally important flora, fauna, ecological communities and heritage places defined as matters of national environmental significance.
- *Protection of the Environment Operations Act 1997* – key environment protection legislation administered by the EPA to achieve the protection, restoration and enhancement of the quality of the NSW environment.
- *Environmental Planning and Assessment Act 1979* – sets out the laws under which planning in NSW takes place.
- *Water Management Act 2000* – provides for the sustainable and integrated management of the water sources of the state.

Individual management plans listed in Section 5 provide a more detailed description of relevant legislation, standards and policies that apply to each environmental aspect.

### 3 Purpose

This document provides the Environmental Management Strategy (the Strategy) for Mt Arthur Coal (MAC), as required by Schedule 5, Condition 1 of the Project Approval. The Strategy is relevant to all activities conducted by MAC.

The objectives of the Strategy are to meet the requirements of Schedule 5, Condition 1 of the Project Approval, and give the community an overview of the Environmental Management System in place at Mt Arthur Coal to manage and minimise the impact of MAC on the surrounding environment and community.

Mt Arthur Coal has a firm commitment to minimising the impact of its operations on the local environment and community, and has a comprehensive Environmental Management System (EMS) in place to fulfil this commitment. The Strategy provides the strategic framework for environmental management of MAC.

### 4 Strategic Framework

Effective environmental management of MAC is implemented via the MAC Environmental Management System (EMS) (the System). The System enables the maintenance and continual improvement of environmental and community performance through effective policy, planning, communication, documentation, implementation, review and feedback.

This approach aligns to the requirements of ISO 14001, and incorporates the concept of **Plan-Do-Check-Act**. This provides an iterative process to achieve continual improvement, and is applied to the System and to each of its individual elements. It is briefly described as follows.

- **Plan:** establishment of environmental objectives and processes necessary to deliver results in accordance with BHPs environmental policy
- **Do:** implement the processes as planned against performance measures and criteria
- **Check:** monitor and measure processes against the environmental policy, including its commitments, environmental objectives and operating criteria, and reporting of the results.
- **Act:** taking actions to rectify nonconformity as well as identifying opportunities to continually improve.

An outline of the MAC EMS is shown in Figure 1 below. All documents relevant to the implementation of the MAC EMS are listed in the MAC EMS Document Register, an offline copy of which is provided as Appendix 1 to this Strategy.

## 5 Management Plans

The following approved Management Plans underpin the Environmental Management System (EMS) at Mt Arthur Coal and are available to the public in line with the requirements outlined in Section 8 of this Strategy:

- MAC-ENC-MTP-015 Blast Management Plan
- MAC-ENC-MTP-032 Noise Management Plan
- MAC-ENC-MTP-034 Site Water Management Plan
- MAC-ENC-MTP-040 Air Quality Management Plan
- MAC-ENC-MTP-042 Aboriginal Heritage Management Plan
- MAC-ENC-MTP-046 European Heritage Management Plan
- MAC-ENC-MTP-047 Rehabilitation Strategy
- MAC-ENC-MTP-048 Edinglassie and Rous Lench Conservation Management Plan No1
- MAC-ENC-MTP-049 Edinglassie and Rous Lench Conservation Management Plan No2
- MAC-ENC-MTP-050 Biodiversity Management Plan
- MAC-ENC-MTP-052 MAC Mining Operations Plan
- MAC-ENC-PRO-060 Erosion and Sediment Control Plan

Each Management Plan required under the Project Approval will be prepared in accordance with Condition 2 of Schedule 5 and will align to the **Plan-Do-Check-Act** concept in the following way:

- **Plan:** Individual Management Plans shall establish environmental objectives and processes as well as outline relevant performance measures or criteria or performance indicators. This includes providing detail on relevant baseline data; a description of the relevant statutory requirements (including any relevant approval, licence or lease conditions); an outline of 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. Management Plans will be made available to external stakeholders in line with Section 9.
- **Do:** Individual Management Plans shall outline any relevant limits or performance measures/criteria as well as describe the measures (including mitigation measures) that will be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria. Each plan also shall outline specific roles and responsibilities related to the environmental aspect (see Section 7).
- **Check:** Individual Management Plans shall describe the monitoring and measurement processes that report on the environmental performance of the project as well as the effectiveness of any management measures. A program to investigate and implement ways to improve the environmental performance of the project over time will also be included. Management Plans will be periodically reviewed in line with Section 11. Performance reporting will be completed in line with Section 12.
- **Act:** Individual Management Plans shall describe actions and opportunities to maintain performance against relevant criteria as well to achieve continuous improvement. Actions and opportunities will be identified through management review, event investigations and management of change assessments. Specifically each plan will include a contingency plan to manage any unpredicted impacts and their consequences; a protocol for managing and reporting any incidents or complaints, non-compliances with statutory requirements and exceedances of the impact assessment criteria and/or performance criteria.

## MT ARTHUR COAL ENVIRONMENT MANAGEMENT SYSTEM (EMS)

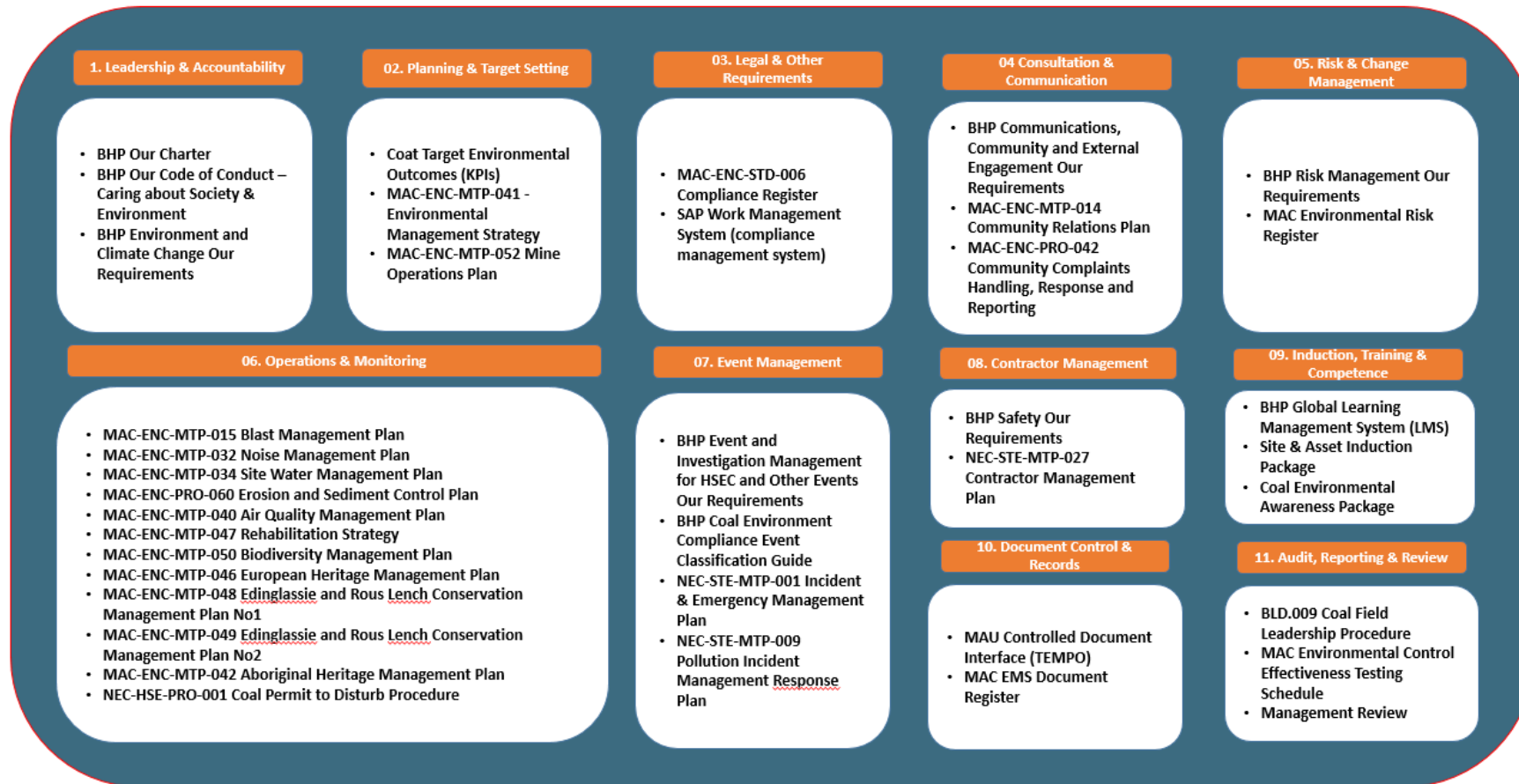


Figure 1: Diagrammatic Representation of the Mt Arthur Coal Environmental Management System

## 6 Consultation and Communication

The Strategy has been prepared in consultation with Department of Planning, Industry and Environment (DPIE). All management plans and monitoring programs that fall under the framework of the Strategy have been prepared in consultation and approved by DPIE and other relevant authorities.

## 7 Roles and Responsibilities

The roles, responsibilities, authorities and accountabilities for key personnel involved in the environmental management of the project are summarised in Table 2. Additional detail for specific roles and responsibilities are outlined in a range of management plans, procedures and work instructions. These documents are listed in the MAC EMS Document Register (refer to Appendix 1).

**Table 2: Roles, Responsibilities, Authorities and Accountabilities Relevant to Environmental Management**

Who	Task	Task description
Asset President NSWEC	Implementation and governance	<ul style="list-style-type: none"> <li>Performance of MAC.</li> <li>Promote ownership of BHP's environmental responsibilities.</li> <li>Ensure fulfilment of all applicable laws, regulations and requirements in relation to environmental management and reporting.</li> </ul>
Mt Arthur Coal General Manager and Departmental Managers	EMS Implementation and governance	<ul style="list-style-type: none"> <li>Provide sufficient resources and support for implementation of the EMS in their area of authority and for reporting any deficiencies to the MAC General Manager.</li> <li>Lead the integration of the EMS with existing business practices such as corporate planning and development of environmental targets, project management procedures and Planning and Technical processes.</li> </ul>
Manager Health Safety Environment, Environment Superintendent	EMS Implementation and governance	<ul style="list-style-type: none"> <li>Provide sufficient resources and support for implementation of the EMS.</li> <li>Oversee the development of EMS, environmental procedures and management plans.</li> <li>Ensure continual implementation of the EMS, including review and improvement in alignment with the requirements of ISO 14001</li> <li>Monitor the EMS and reporting the results to the Mt Arthur Coal management team for review and improvement purposes</li> <li>Lead the integration of the EMS with existing business practices such as corporate planning, project management procedures and Planning and Technical processes.</li> </ul>
Environment Specialist	EMS Implementation and governance	<ul style="list-style-type: none"> <li>Ensure continual implementation of the EMS, including review and improvement in alignment with the requirements of ISO 14001</li> <li>Undertake the development of EMS, standardized environmental procedures and management plans.</li> <li>Monitor the EMS and reporting the results to the Mt Arthur Coal management team for review and improvement purposes</li> </ul>
Department Superintendents	Control Implementation and governance	<ul style="list-style-type: none"> <li>Provide sufficient resources and support for implementation of the EMS in their area of authority</li> <li>Ensure compliance with legislative obligations and environmental procedures</li> <li>Reporting any deficiencies in the site event reporting system.</li> </ul>
Mine personnel and contractors	Control Implementation	<ul style="list-style-type: none"> <li>Comply with site procedures and work instructions in order to carry out environmental duty of care</li> <li>Reporting any deficiencies in the site event reporting system.</li> </ul>

## 8 Procedures required by this Strategy

### 8.1 Stakeholder Engagement

All stakeholder engagement is conducted according to MAC-ENC-MTP-014 Community Relations Plan. This Plan provides the framework through which Mt Arthur Coal, a wholly owned subsidiary of BHP will engage, communicate and connect with communities and stakeholders of Mt Arthur Coal. The framework includes strategy, approach, schedules and tools.

In addition to the Community Relations Plan, Mt Arthur Coal have established and operate a Community Consultative Committee (CCC) in general accordance with the appropriate guidelines. The CCC provides a forum for discussion between Mt Arthur Coal and representatives of the community, stakeholder groups and the local council on issues relating directly the operation.

In addition to the Community Relations Plan and to satisfy the requirements under Schedule 5, Condition 6 for the engagement of Bengalla mine; four meetings per calendar year are held with Bengalla to discuss improvements, recommendations, arising issues and potential cumulative impacts on the community. Engagement with the Drayton mine (Malabar) is not currently completed as the operation in a construction phase at the time of the approval of this Strategy; however a similar routine will be established once the mine moves into an operational phase.

### 8.2 Complaints Management

All complaints and disputes are received, handled, responded to and recorded in accordance with procedure MAC-ENC-PRO-042 Community Complaints Handling, Response and Reporting. In addition, the procedure ensures that, where necessary, incidents are appropriately reported in accordance with legal and other requirements. Mt Arthur Coal ensures that all complaints are followed up with the complainant within 48 hours during business hours. If Mt Arthur Coal's response to the complaint is not considered acceptable by the complainant, Mt Arthur Coal will continue to liaise with the complainant to achieve a mutually acceptable outcome.

### 8.3 Dispute Resolution

If Mt Arthur Coal's response to a complaint is not considered acceptable by the complainant, disputes may be escalated by the MAC Corporate Affairs Team to the General Manager to assist with reaching a resolution. Where ongoing liaison is no longer possible, the relevant dispute resolution process referenced in the Project Approval will be followed. This may include referring the matter to the Secretary for resolution.

### 8.4 Incidents

All incidents will be defined as a contravention of the conditions within Schedule 3 of the Project Approval 09\_0062 or further detailed as appropriate in topic-specific Management Plans; or where a set of circumstances causes, or threatens to cause, material harm to the environment; will be reported to the relevant Regulatory Authority in accordance with the following protocol:

- An email and or verbal notification will be provided to the Regulatory Authority immediately after becoming aware of the incident;
- Exceedances of impact assessment criteria (as defined in the individual management plan) will be notified as an 'interim exceedance'.
- An investigation will be conducted to determine the cause of the incident, and in the case of an exceedance, the monitoring result will also be validated in accordance with exceedance protocols described within the relevant Management Plans;
- A incident or hazard will be recorded in the site incident management system, this record will have an appointed Owner and Reviewer to ensure appropriate internal stakeholders are notified of the incident;
- A written report on the incident will be provided to the relevant Regulatory Authority within 7 days of becoming aware of the incident (or as otherwise directed by the Regulatory Authority).

For incidents pertaining to the Underground Operation (currently not in operation), incident notification will occur within 24 hours of detecting an exceedance; and written reports will be provided to the Secretary within 6 days of the incident notification date.



A technical non-compliance includes contravention of a condition of Schedules 2, 4 or 5 of the Project Approval 09\_0062 and are associated with administrative, procedural and reporting matters. Such contraventions will only be classified as technical non-compliances if the actual or potential harm to the environment is assessed as negligible. Technical non-compliances will be reported to the Regulatory Authority in accordance with the following steps:

- Internally reported within the incident reporting system; and
- Email and or verbal notification to the Regulatory Authority
- Reported in the relevant Annual Report.

The NEC-STE-MTP-009 Pollution Incident Response Management Plan (PIRMP) ensures the comprehensive and timely communication about a pollution incident to staff at the premises, the relevant authorities and people outside the facility who may be affected by the impacts of the pollution incident;

## 8.5 Emergency response

Emergencies associated with the operation and management of the environment at Mt Arthur Coal will be responded to in accordance with NEC-STE-MTP-009 Pollution Incident Management Response Plan. This plan ensures immediate and effective response to environmental emergency situations that occur on-site, the comprehensive and timely communication about a pollution incident to staff at the premises, the relevant authorities specified in the Protection of the Environment Operations Act 1997 and people outside the facility who may be affected by the impacts of the pollution incident. The MAC Community Response Line (1800 882 044) can be used 24 hours a day, 7 days a week by external stakeholders to contact Mt Arthur Coal in the event of an environmental emergency situation to report concerns or request additional information.

## 9 Access to Information

In accordance with Condition 11 of Schedule 5 of the Project Approval, this Strategy and all required plans and programs are made publically available on the BHP website: <https://www.bhp.com/environment/regulatory-information>. All relevant management plans, procedures and work instructions are available to personnel at Mt Arthur Coal via the Tempo Document Control System. The relevant EMS documentation has been listed in Appendix 1.

Mt Arthur Coal employ various tools to ensure that the community is kept informed about the environmental performance of the site. Information available on the BHP Website includes:

- Approvals relevant to Mt Arthur Coal's operations
- Coal Transport information
- Approved Environmental Management Plans and Programs
- CCC meeting minutes and reports
- Community Complaint logs
- Annual Environmental Reports
- Environmental Monitoring Data

Other forms of communication include regular advertising of the community response hotline in local newspapers, and regular mail outs to residents that request blasting information.

Other community engagement activities are held throughout the year on an as-needs basis, and according to MAC-ENC-MTP-014 Community Relations Plan.

## 10 Monitoring Plan

In accordance with Schedule 3 of the Project Approval, monitoring at MAC will be conducted in line with the Monitoring Programs outlined within the relevant approved Management Plan. Management Plans and the corresponding Monitoring Programs are available on the BHP Regulatory Website (<https://www.bhp.com/environment/regulatory-information>).

The following Monitoring Plans have been included in this Strategy as Appendices to provide an outline of the monitoring locations at the time this Strategy was approved and published:

- Appendix 3 - Noise Monitoring Plan
- Appendix 4 - Blast Monitoring Plan
- Appendix 5 - Air Quality Monitoring Plan
- Appendix 6 – Site Water Monitoring Plan

## 11 Review

This Strategy will be reviewed, and if necessary revised, in accordance with Condition 4 of Schedule 5 of the Project Approval:

- within 3 months of the submission of an:
  - annual review under Condition 3, Schedule 5 of the Project Approval;
  - incident report under Condition 7, Schedule 5 of the Project Approval;
  - Independent Environmental Audit report under Condition 9, Schedule 5 of the Project Approval;
  - Modification to the conditions of the Project Approval.

Where such a review leads to a revision of the Strategy, it shall be submitted to the Secretary for approval.

The Strategy and all EMS policies, plans, programs required under the Project Approval will be prepared and reviewed in accordance with the following conditions where relevant:

- Schedule 5 Condition 1 - Environmental Management Strategy
- Schedule 5 Condition 2 - Management Plan Requirements

## 12 Performance & Statutory Reporting

The performance of this Strategy and the EMS and its associated plans, programs and documents will be primarily reported annually in the Annual Review, in accordance with Schedule 5 Condition 3 of the Project Approval. The Annual Review must:

- describe the works that were carried out in the past year, and the works that are proposed to be carried out over the next year;
- 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 relevant statutory requirements, limits or performance measures/criteria;
  - the monitoring results of previous years; and
  - the relevant predictions in the EA;
- identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;
- identify any trends in the monitoring data over the life of the project;
- identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies; and
- describe what measures will be implemented over the next year to improve the environmental performance of the project.

Other statutory reporting requirements relevant to the performance of the Mt Arthur Coal EMS include:

Reporting Item	Description	Frequency
Annual Return	An annual report outlining performance against the Environment Protection Licence (EPL) performance criteria	Annual
Website Reporting	A regular report containing environment monitoring performance data which is published on the BHP Regulatory Information Website.	Monthly
Independent Environmental Audit (IEA)	An independent audit which assess the environmental performance of the project as well as compliance against the requirements within the relevant statutory approvals and licences. The audit is completed by a suitably qualified, experienced and independent team of experts.	By the end of June 2014, and every 3 years thereafter, unless the Secretary directs otherwise.

All statutory reporting is made publically available in line with the requirements outlined in Section 9 Access to Information.

## 13 Version Management

Date	Version Control		Page(s)	Details
	Major	Minor		
18/09/2012	1.0		All	Approved by the Department of Planning and Infrastructure on 18/09/2012
27/05/2013	2.0		All	Approved by the Department of Planning and Infrastructure on 27/05/2013
30/04/2021	3.0		All	Approved by the Department of Planning, Infrastructure and Environment on 30/04/2021

## Appendix 1 – MAC EMS Documents

*\*\*This is an offline uncontrolled list of the documents within the MAC Environment Management System (EMS).*

### Charter & Code of Conduct

- *BHP Billiton Our Charter*
- *BHP Our Code of Conduct - Caring about society – Environment*

### Policies and Standards

- Environment and Climate Change - Our Requirements
- Event and Investigation Management for HSEC and Other Events - Our Requirements.
- Risk Management - Our Requirements.
- Communications, Community and External Engagement - Our Requirements.
- BLD.009. Coal Field Leadership Procedure
- Coal Target Environmental Outcomes

### Management Plans, Strategies and Standards

- MAC-ENC-MTP-014 Community Relations Plan
- MAC-ENC-MTP-015 Blast Management Plan
- MAC-ENC-MTP-032 Noise Management Plan
- MAC-ENC-MTP-034 Site Water Management Plan
- MAC-ENC-MTP-040 Air Quality Management Plan
- MAC-ENC-MTP-041 Environmental Management Strategy
- MAC-ENC-MTP-042 Aboriginal Heritage Management Plan
- MAC-ENC-MTP-046 European Heritage Management Plan
- MAC-ENC-MTP-047 Rehabilitation Strategy
- MAC-ENC-MTP-048 Edinglassie and Rous Lench Conservation Management Plan No1
- MAC-ENC-MTP-049 Edinglassie and Rous Lench Conservation Management Plan No2
- MAC-ENC-MTP-050 Biodiversity Management Plan
- MAC-ENC-MTP-052 MAC Mining Operations Plan
- NEC-STE-MTP-009 Pollution Incident Management Response Plan
- NEC-STE-MTP-001 Incident Management Manual
- MAC-ENC-STD-006 Compliance Register
- MAC-ENC-PRO-060 Erosion and Sediment Control Plan

### Programs and Procedures

- MAC-ENC-PRG-002 Spontaneous Combustion Control Program
- MAC-ENC-PRG-004 Edinglassie and Rous Lench Heritage Management Program
- MAC-ENC-PRO-012 Land Management
- MAC-ENC-PRO-029 Spill Response
- MAC-ENC-PRO-032 Water Management
- MAC-ENC-PRO-033 Waste Handling and Disposal

- MAC-ENC-PRO-042 Community Complaints Handling, Response and Reporting
- MAC-ENC-PRO-047 Monitoring and Evaluation
- MAC-ENC-PRO-056 Noise Management Procedure
- MAC-ENC-PRO-071 Visual Assessment Procedure
- MAC-ENC-PRO-072 Hunter River Water Supply Procedure
- MAC-ENC-PRO-073 Hunter River Water Discharge Procedure
- MAC-ENC-PRO-074 Contaminated Land Management
- MAC-ENC-PRO-075 Mobile Plant Noise Specification
- MAC-ENC-PRO-076 Bushfire Prevention Procedure
- MAC-ENC-PRO-077 Light Management Procedure
- MAC-ENC-PRO-078 Environmental Monitoring Data Validation Procedure
- MAC-ENC-PRO-080 Rehabilitation and Ecological Monitoring Procedure
- MAC-ENV-PRO-081 Environmental Control Effectiveness Testing
- MAC-PRD-PRO-122 Dust Management Procedure
- MAC-STE-PRO-010 Emergency Procedure – Bushfires
- NEC-HSE-PRO-001 Coal Permit to Disturb Procedure

**Registers and Forms**

- NEC-HSE-FRM-001 Coal Permit to Disturb
- MAC-ENC-FRM-007 HRSTS Water Discharge Record Form

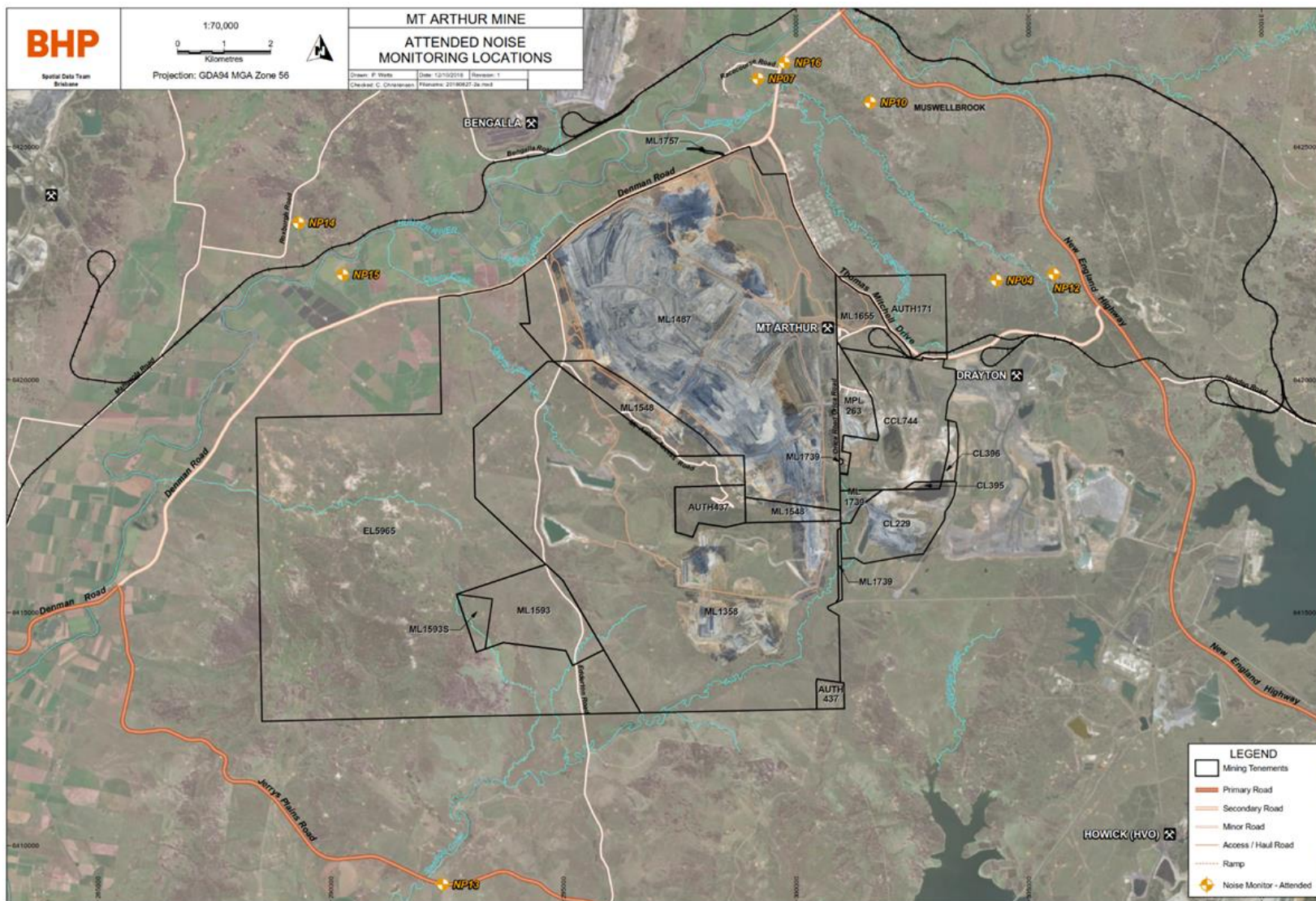
## **Appendix 2 – Department Letter of Acceptance**

Pending



## Appendix 3 – Noise Monitoring Plan

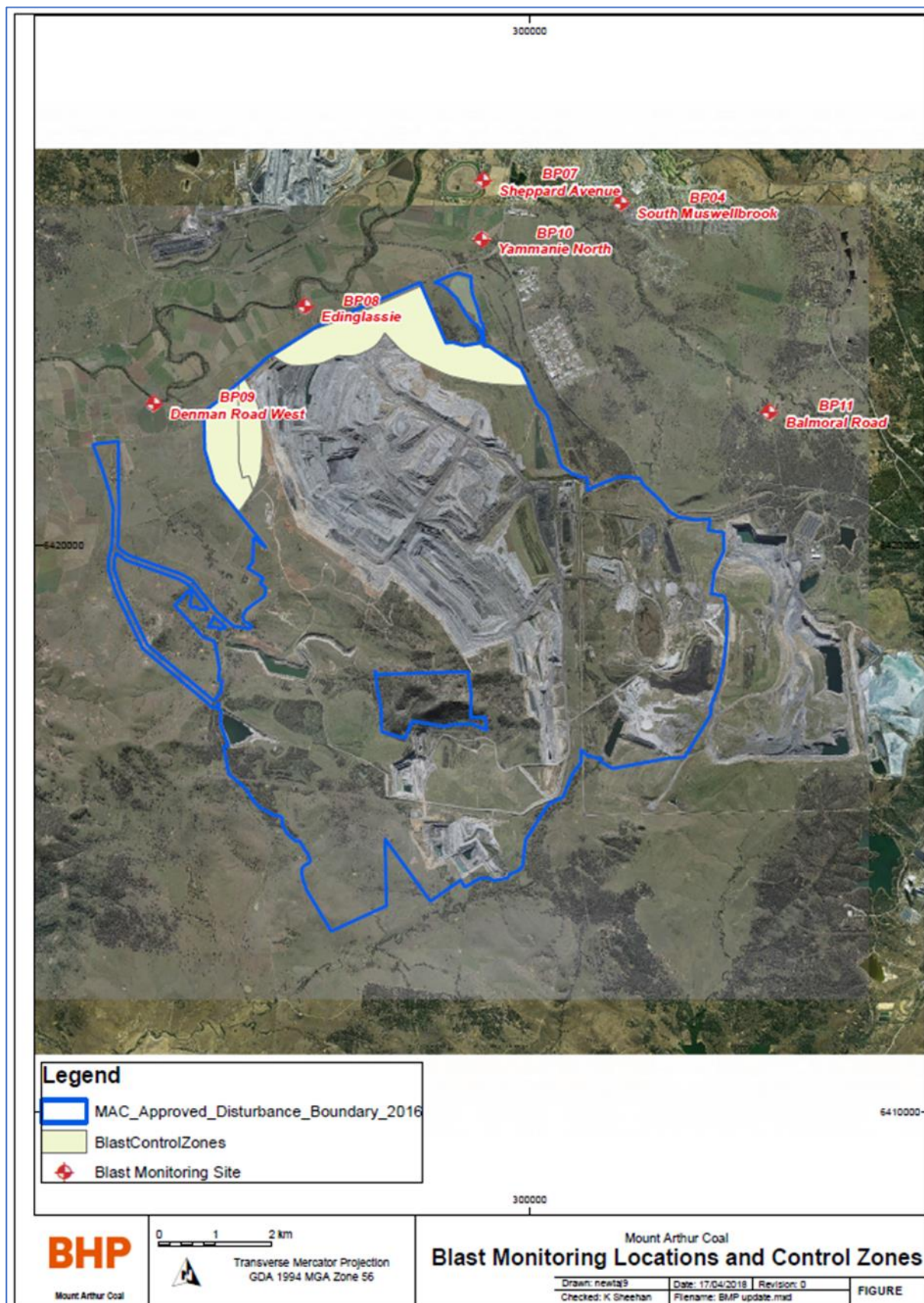
\*\* Refer to the current Noise Management Plan (MAC-ENC-MTP-032 NOISE MANAGEMENT PLAN) for the current Monitoring Plan.





## Appendix 4 – Blast Monitoring Plan

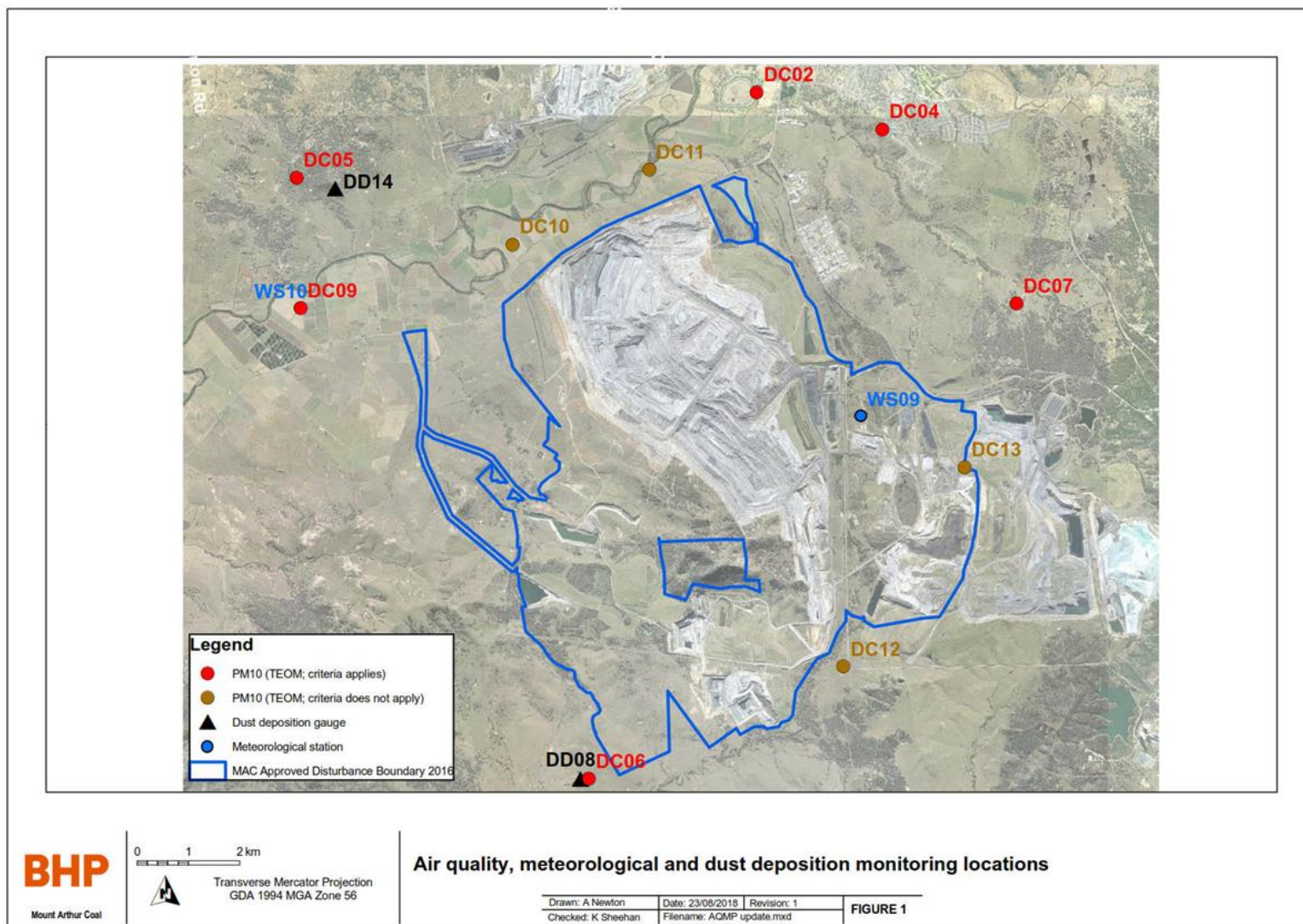
\*\* Refer to the current Blast Management Plan (MAC-ENC-MTP-015 BLAST MANAGEMENT PLAN) for the current Monitoring Plan.





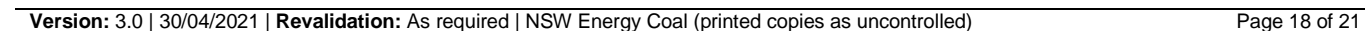
## Appendix 5 – Air Quality Monitoring Plan

\*\* Refer to the current Air Quality Management Plan (MAC-ENC-MTP-040 AIR QUALITY MANAGEMENT PLAN) for the current Monitoring Plan.





\*\* Refer to the current Site Water Management Plan (MAC-ENC-MTP-034 SITE WATER MANAGEMENT PLAN) for the current Monitoring Plan.



## Appendix 7 – Conditions Compliance Tables

Condition Number	Environmental Performance Condition	Addressed within
<b>Development Consent (09_062)</b>		
Schedule 5 Condition 1	<p><b>Environmental Management Strategy</b></p> <p>1. The Proponent shall prepare and implement an Environmental Management Strategy for the project to the satisfaction of the Director-General. The strategy must:</p> <ol style="list-style-type: none"> <li>provide the strategic framework for environmental management of the project;</li> <li>identify the statutory approvals that apply to the project;</li> <li>describe the role, responsibility, authority and accountability of all key personnel involved in the environmental management of the project;</li> <li>describe the procedures that would be implemented to: <ul style="list-style-type: none"> <li>keep the local community and relevant agencies informed about the operation and environmental performance of the project;</li> <li>receive, handle, respond to, and record complaints;</li> <li>resolve any disputes that may arise during the course of the project;</li> <li>respond to any non-compliance;</li> <li>respond to emergencies; and</li> </ul> </li> <li>include: <ul style="list-style-type: none"> <li>copies of the various strategies, plans and programs that are required under the conditions of this approval once they have been approved; and</li> <li>a clear plan depicting all the monitoring to be carried out in relation to the project.</li> </ul> </li> </ol>	<ol style="list-style-type: none"> <li>Section 4;</li> <li>Section 2;</li> <li>Section 7;</li> <li>Section 8;</li> <li>Section 5; Section 9; Section 10</li> </ol>
Schedule 5 Condition 2	<p><b>Management Plan Requirements</b></p> <p>The Proponent shall ensure that the management plans required under this approval are prepared in accordance with any relevant guidelines, and include:</p> <ol style="list-style-type: none"> <li>detailed baseline data;</li> <li>a description of: <ul style="list-style-type: none"> <li>the relevant statutory requirements (including any relevant approval, licence or lease conditions);</li> <li>any relevant limits or performance measures/criteria;</li> <li>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;</li> </ul> </li> <li>a description of the measures that would be implemented to comply with the relevant statutory requirements, limits, or performance measures/criteria;</li> <li>a program to monitor and report on the: <ul style="list-style-type: none"> <li>impacts and environmental performance of the project;</li> <li>effectiveness of any management measures (see c above);</li> </ul> </li> <li>a contingency plan to manage any unpredicted impacts and their consequences;</li> <li>a program to investigate and implement ways to improve the environmental performance of the project over time;</li> <li>a protocol for managing and reporting any: <ul style="list-style-type: none"> <li>incidents;</li> <li>complaints;</li> <li>non-compliances with statutory requirements; and</li> <li>exceedances of the impact assessment criteria and/or performance criteria; and</li> </ul> </li> <li>a protocol for periodic review of the plan.</li> </ol>	Section 5
Schedule 5 Condition 3	<p><b>Annual Review</b></p> <p>By the end of June each year, the Proponent shall review the environmental performance of the project to the satisfaction of the Secretary. This review must:</p> <ol style="list-style-type: none"> <li>describe the works that were carried out in the past year, and the works that are proposed to be carried out over the next year;</li> <li>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</li> </ol>	Section 12

Condition Number	Environmental Performance Condition	Addressed within
<b>Development Consent (09_062)</b>		
	<ul style="list-style-type: none"> <li>the relevant statutory requirements, limits or performance measures/criteria;</li> <li>the monitoring results of previous years; and</li> <li>the relevant predictions in the EA;</li> </ul> <p>(c) identify any non-compliance over the last year, and describe what actions were (or are being) taken to ensure compliance;</p> <p>(d) identify any trends in the monitoring data over the life of the project;</p> <p>(e) identify any discrepancies between the predicted and actual impacts of the project, and analyse the potential cause of any significant discrepancies; and</p> <p>(f) describe what measures will be implemented over the next year to improve the environmental performance of the project.</p>	
Schedule 5 Condition 4	<p><b>Revision of Strategies, Plans and Programs</b></p> <p>4. Within 3 months of the submission of an:</p> <p>(a) annual review under condition 3 above;</p> <p>(b) incident report under condition 7 below;</p> <p>(c) audit under condition 9 below; and</p> <p>(d) any modification to the conditions of this approval, the Proponent shall review, and if necessary revise, the strategies, plans, and programs required under this approval to the satisfaction of the Director-General.</p> <p><i>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.</i></p>	Section 11
Schedule 5 Condition 5	<p><b>Community Consultative Committee (CCC)</b></p> <p>The Proponent shall establish and operate a CCC for the project to the satisfaction of the Secretary. This CCC must be established by the end of March 2011 and be operated in general accordance with the Guidelines for Establishing and Operating Community Consultative Committees for Mining Projects (Department of Planning, 2007, or its latest version).</p> <p><i>Notes:</i></p> <p><i>The CCC is an advisory committee. The Department and other relevant agencies are responsible for ensuring that the Proponent complies with this approval.</i></p> <p><i>In accordance with the Guideline, the Committee should comprise an independent chair and appropriate representation from the Proponent, affected councils and the general community</i></p>	Section 8.1
Schedule 5 Condition 6	<p><b>Management of Cumulative Impacts</b></p> <p>In conjunction with the owners of the nearby Drayton and Bengalla mines, the Proponent shall use its best endeavours to minimise the cumulative impacts of the project on the surrounding area to the satisfaction of the Secretary.</p> <p><i>Note: Nothing in this approval is to be construed as requiring the Proponent to act in a manner which is contrary to the Trade Practices Act 1974</i></p>	Section 8.1
Schedule 5		
Schedule 5 Condition 8	<p><b>Regular Reporting</b></p> <p>8. 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, and to the satisfaction of the Director-General.</p>	Section 11
Schedule 5 Condition 9	<p><b>Independent Environmental Audit</b></p> <p>By the end of June 2014, and every 3 years thereafter, unless the Secretary directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project.</p>	Section 12
Schedule 5 Condition 10	<p><b>Independent Environmental Audit</b></p> <p>By the end of June 2014, and every 3 years thereafter, unless the Secretary directs otherwise, the Proponent shall commission and pay the full cost of an Independent Environmental Audit of the project.</p>	Section 12

Condition Number	Environmental Performance Condition	Addressed within
<b>Development Consent (09_062)</b>		
Schedule 5 Condition 11	<p><b>ACCESS TO INFORMATION</b></p> <p>11. From the end of December 2010, the Proponent shall:</p> <p>(a) make the following information publicly available on its website:</p> <ul style="list-style-type: none"> <li>• a copy of all current statutory approvals for the project;</li> <li>• a copy of the current environmental management strategy and associated plans and programs;</li> <li>• a summary of the monitoring results of the project, which have been reported in accordance with the various plans and programs approved under the conditions of this approval;</li> <li>• a complaints register, which is to be updated on a monthly basis;</li> <li>• a copy of the minutes of CCC meetings;</li> <li>• a copy of any Annual Reviews (over the last 5 years);</li> <li>• a copy of any Independent Environmental Audit, and the Proponent's response to the recommendations in any audit;</li> <li>• any other matter required by the Director-General; and</li> </ul> <p>(b) keep this information up to date, to the satisfaction of the Director-General.</p>	Section 9