WAMBO COAL PTY LTD

NORTH WAMBO UNDERGROUND MINE
EXTRACTION PLAN
LONGWALLS 8 TO 10A

APPENDIX F
PUBLIC SAFETY MANAGEMENT PLAN
# DOCUMENT CONTROL

**Document No.**
WA-MIN-MP-628 (PSMP LW1-10A)

**Title**
Public Safety Management Plan for North Wambo Underground Mine Longwalls 1 to 10A

**General Description**
A management plan to ensure public safety in the mining area of Longwalls 1 to 10A at the North Wambo Underground Mine

**Key Support Documents**
Wambo Coal Health and Safety Management System

<table>
<thead>
<tr>
<th>Rev No</th>
<th>Date</th>
<th>Description</th>
<th>By</th>
<th>Checked</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>November 2012</td>
<td>Original Draft</td>
<td>WCPL and Resource Strategies</td>
<td>-</td>
</tr>
<tr>
<td>B</td>
<td>December 2012</td>
<td>Final for Submission</td>
<td>WCPL and Resource Strategies</td>
<td>P. Fletcher</td>
</tr>
<tr>
<td>C</td>
<td>May 2013</td>
<td>Revised to Address DRE Comments</td>
<td>WCPL and Resource Strategies</td>
<td>M. Alexander</td>
</tr>
<tr>
<td>D</td>
<td>February 2014</td>
<td>Revised to include Longwalls 9 and 10</td>
<td>WCPL and Resource Strategies</td>
<td>M. Alexander</td>
</tr>
<tr>
<td>E</td>
<td>April 2015</td>
<td>Revised to include Longwall 10A</td>
<td>WCPL and Resource Strategies</td>
<td>M. Millgate</td>
</tr>
</tbody>
</table>

**Approvals**

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Signed</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Originator</td>
<td>T. Favell</td>
<td>Environment and Community Manager</td>
<td></td>
</tr>
<tr>
<td>Checked</td>
<td>T. Britten</td>
<td>Technical Services Manager</td>
<td></td>
</tr>
<tr>
<td>Confirmed</td>
<td>M. Wood</td>
<td>NWU Manager of Mining Engineering</td>
<td></td>
</tr>
</tbody>
</table>

The nominated Coordinator for this document is
NWU Technical Services Superintendent
1 INTRODUCTION

The Wambo Coal Mine is an open cut and underground coal mining operation located approximately 15 kilometres west of Singleton, near the village of Warkworth, New South Wales (NSW). The Wambo Coal Mine is owned and operated by Wambo Coal Pty Limited (WCPL), a subsidiary of Peabody Energy Australia Pty Limited.

The North Wambo Underground Mine is a component of the approved Wambo Coal Mine. The North Wambo Underground Mine commenced in 2005 and involves extraction of coal by longwall mining methods from the Wambo Seam within Mining Lease (ML) 1402, ML 1594, Coal Lease 397 and Consolidated Coal Lease 743 (Figure 1).

The potential environmental impacts of the existing Wambo Coal Mine were assessed in the Wambo Development Project Environmental Impact Statement (WCPL, 2003). Development Consent DA 305-7-2003 for the Wambo Coal Mine was granted on 4 February 2004 by the then NSW Minister for Urban Affairs and Planning under Part 4 of the NSW Environmental Planning and Assessment Act, 1979.

An application to modify the Development Consent (DA 305-7-2003 MOD 2) was lodged in January 2005 to facilitate the re-orientation of the North Wambo Underground Mine longwall panels and allow access to the Wambo Seam via the open cut highwall and was approved on 4 May 2005. The application was accompanied by the Wambo Development Project – Wambo Seam Underground Mine Modification Statement of Environmental Effects (WCPL, 2005).

A subsequent application to modify the Development Consent (DA 305-7-2003 MOD 13) was lodged in December 2012 to allow an extension to the approved North Wambo Underground Mine to include two additional longwalls (Longwalls 9 and 10) and was approved on 8 July 2013. The application was accompanied by the North Wambo Underground Mine Modification Environmental Assessment (WCPL, 2012).

An application to modify the Development Consent (DA 305-7-2003 MOD 14) was lodged in September 2014 to allow a minor extension to the approved North Wambo Underground Mine to include an additional longwall (Longwall 10A). The application was accompanied by the North Wambo Underground Mine Longwall 10A Modification Environmental Assessment (WCPL, 2014).

A Subsidence Management Plan (SMP) for Longwalls 1 to 6 at the North Wambo Underground Mine (WCPL, 2006) was approved by the NSW Department of Primary Industries – Mineral Resources on 11 December 2006. An Extraction Plan for Longwalls 7 and 8 was approved by the NSW Department of Planning and Infrastructure for Longwall 7 on 16 May 2013 and for Longwall 8 on 24 September 2013. Subsequently, a revised Extraction Plan for Longwalls 7 to 10 was approved by the Department of Planning and Environment (DP&E) on 4 July 2014.

The approved Extraction Plan for Longwalls 7 to 10 has been revised to include the remaining longwall within the North Wambo Underground Mine extent (Longwalls 10A) for a consolidated Extraction Plan for Longwalls 8 to 10A (Figure 1).
WARKWORTH
CL 365
CL 397
ML 1572
CL 374
CCL 743
WOLLEMI NATIONAL PARK
Hunter Valley
Operations
Colliery
Hunter Valley
Operations
Mount Thorley
Warkworth
Administration Access Road
(Not Constructed)
CHPP
Wambo
Access Road
CHPP
Portal
E 310 000
E 315 000
E 305 000
ML 1594
ML 1402
239
WAMBO  COAL  MINE
Source: Department of Lands (July 2009); DECCW (Sept 2009); WCPL (2015) and WTP Orthophoto ( flown Apr-Oct 2015)

0 500 2000
Metres
GRID DATUM MGA 94 ZONE 56

LEGEND

- Mining and Coal Lease Boundary
- WCPL Owned Land
- Remnant Woodland Enhancement Program (RWEIP) Area
- Existing/Approved Surface Development Area
- Approved Open Cut Limit
- Approved Underground Development
- Extraction Plan Application Area
- Longwalls 8 to 10A

- Approved Monrose Water Storage
- (Not Yet Constructed)
- North Wambo Creek Diversion

- Previous Alignment of North Wambo Creek

- Administration Buildings and Workshops
- Product Coal Conveyor
- North Wambo Underground Mine
- South Bates - Whybrow Underground Mine
- North Wambo Underground Mine
- Approved Montrose Water Storage
- (Not Yet Constructed)
- North Wambo Underground Mine

- North Wambo Underground Mine
- Longwalls 8 to 10A

- North Wambo Homestead Exclusion Zone
- Wambo South Water Dam
- Arrowfield and Bowfield Underground Mine

- Approved Wambo Coal Mine Layout

FIGURE 1
WAMBO COAL MINE Approved Wambo Coal Mine Layout
1.1 PURPOSE AND SCOPE

Purpose: This Public Safety Management Plan for Longwalls 1 to 10A at the North Wambo Underground Mine (PSMP) outlines the management of potential risks to public safety resulting from the proposed secondary workings described in the Extraction Plan for Longwalls 8 to 10A, previous Extraction Plan for Longwalls 7 to 10 and the SMP for Longwalls 1 to 6.

Scope: This PSMP covers risks to public safety associated with extraction of Longwalls 1 to 10A at the North Wambo Underground Mine (Figure 1).

Hazards: The primary hazards associated with the extraction of Longwalls 1 to 10A include:
- surface cracking;
- ground deformations; and
- damaged infrastructure (e.g. power lines, roads and access tracks [including a right-of-way1]).

Risks: Members of the general public potentially at risk due to the extraction Longwalls 1 to 10A are limited to those accessing WCPL-owned land.

This PSMP has been prepared in accordance with Condition 22C(g) of Schedule 4 of the Development Consent (DA 305-7-2003) as a component of the North Wambo Underground Mine Longwalls 8 to 10A Extraction Plan, Condition 20 of Approval Conditions and Exclusions of the SMP for Longwalls 1 to 6 and Condition 15 of the Approval Conditions of the SMPs for Longwalls 7, 8, 9 and 10 at the North Wambo Underground Mine (dated 22 May 2013, 18 October 2013 and 30 July 2014).

Management plan requirements applicable to the preparation of this PSMP, and where each of these requirements is addressed within this PSMP, are summarised in Table 1.

Table 1
Public Safety Management Plan Requirements

<table>
<thead>
<tr>
<th>Condition</th>
<th>PSMP Section</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Condition 22C(g) of Schedule 4 of Development Consent (DA 305-7-2003)</strong></td>
<td></td>
</tr>
<tr>
<td>22C. The Applicant shall prepare and implement an Extraction Plan for the</td>
<td></td>
</tr>
<tr>
<td>second workings within each seam to be mined to the satisfaction of the</td>
<td></td>
</tr>
<tr>
<td>Secretary. Each Extraction Plan must:</td>
<td></td>
</tr>
<tr>
<td>...</td>
<td></td>
</tr>
<tr>
<td>(g) include the following to the satisfaction of DRE:</td>
<td></td>
</tr>
<tr>
<td>...</td>
<td></td>
</tr>
<tr>
<td>• a Public Safety Management Plan to ensure public safety in the mining</td>
<td>Management of potential risks to public safety are addressed in Section 1.3 and 5.</td>
</tr>
<tr>
<td>area; and</td>
<td></td>
</tr>
<tr>
<td>...</td>
<td></td>
</tr>
</tbody>
</table>

1 A right-of-way in favour of several private properties (the route of which may be varied on reasonable notice) across WCPL-owned land is situated within the Longwalls 8 to 10A Application Area.
Table 1 (Continued)
Public Safety Management Plan Requirements

<table>
<thead>
<tr>
<th>Condition</th>
<th>PSMP Section</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Condition 20 of the Approval Conditions and Exclusions of the SMP for Longwalls 1 to 6</strong></td>
<td>Monitoring is described in Section 4. Management of potential risks to public safety are addressed in Section 1.3 and 5, including erection of warning signs, entry restrictions, management of surface cracking and notification to agistees.</td>
</tr>
<tr>
<td>20. <strong>Public Safety</strong> – The Leaseholder must implement a public safety management plan to ensure public safety in any surface areas that may be affected by subsidence arising from longwall mining. This plan must include, but not be limited to, regular monitoring or areas or infrastructure/structures posing safety risks, erection of warning signs, entry restrictions, backfilling of dangerous surface cracks and securing of unstable built structures or rockmass where required and appropriate, and the provision of timely notification of mining progress to the community and any other relevant stakeholders where management of public safety is required. The plan must be developed and implemented to the satisfaction of the District Inspector of Coal Mines. Monitoring is described in Section 4. Management of potential risks to public safety are addressed in Section 1.3 and 5, including erection of warning signs, entry restrictions, management of surface cracking and notification to agistees.</td>
<td></td>
</tr>
<tr>
<td><strong>Condition 15 of the Approval Conditions of the SMPs for Longwall 7, Longwall 8 and Longwalls 9 and 10 (dated 22 May 2013, 18 October 2013 and 30 July 2014)</strong></td>
<td>Monitoring is described in Section 4. Management of potential risks to public safety are addressed in Section 1.3 and 5, including erection of warning signs, entry restrictions, management of surface cracking and notification to agistees.</td>
</tr>
<tr>
<td>15. <strong>Public Safety</strong> – The Leaseholder must prepare and implement a public safety management plan to ensure public safety in any structures, houses and surface areas that may be affected by subsidence, to the satisfaction of the Director, Mine Safety Operations. The plan must include, but not be limited to: a) identification of any areas, man-made structure, facilities and infrastructure, which are hazardous or could become hazardous due to subsidence impacts; b) regular monitoring of areas or infrastructure/structures posing safety risks; c) regular monitoring of stability of any areas with cliff formations and/or steep slopes that may be affected by subsidence; d) measures to prevent, mitigate and promptly remEDIATE hazards and safety risks referred to in (a) above; e) erection of warning signs; f) entry restrictions; g) backfilling of dangerous surface cracks; h) securing of unstable built structures or rockmass where required and appropriate; and i) provision of timely notification of proposed mining progress to the community and any other relevant stakeholders where management of public safety is required. The Leaseholder must not cause subsidence impacts prior to the Public Safety Management Plan being approved.</td>
<td></td>
</tr>
</tbody>
</table>

In addition to the requirements summarised in Table 1, the Draft Guidelines for the Preparation of Extraction Plans Required under Conditions of Development Consents, Project Approvals and Mining Lease Conditions for Underground Coal Mining (Version 5) (Department of Planning and Environment and NSW Trade & Investment – Division of Resources and Energy, 2015) requires:

The Public Safety Management Plan must address all potential safety hazards to the public. The scope of the Plan should include management of health and safety risks due to:

- potential subsidence impacts on built features;
- potential instability of cliff formations or steep slopes caused by subsidence;
- deformations or fracturing of any land caused by subsidence, and
- any other impacts of subsidence.
This Plan should address management measures such as:

- monitoring of areas posing safety risks;
- erection of warning signs and possible entry or use restrictions;
- backfilling of surface cracks and/or re-profiling of humps and swales on tracks and roads;
- infilling of pot holes;
- securing of potentially unstable structures and rock masses;
- identification of potential flood-related impacts that may pose a risk to public safety; and
- provision of regular updates regarding mining progress to the community where management of public safety is a significant issue.

The relevant management measures addressing these requirements are described in Section 5. As described above, this PSMP covers the extraction of Longwalls 1 to 10A at the North Wambo Underground Mine.

This PSMP has been prepared by WCPL, with assistance from Resource Strategies. The appointment of the team of suitably qualified and experienced experts (which includes representatives from WCPL and Resource Strategies) has been endorsed by the Secretary of the DP&E.

1.2 KEY PERSONNEL

Contact details for key personnel in relation to this PSMP are summarised in Table 2.

<table>
<thead>
<tr>
<th>Organisation</th>
<th>Position</th>
<th>Contact Name</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCPL</td>
<td>Health Safety Training Manager</td>
<td>Peter Hafey</td>
<td>(02) 6570 2309</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0488 417 230</td>
</tr>
<tr>
<td></td>
<td>Environment and Community Manager</td>
<td>Troy Favell (24 hours)</td>
<td>(02) 6570 2209</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0407 802 206</td>
</tr>
<tr>
<td></td>
<td>Technical Services Superintendent</td>
<td>Michael Millgate</td>
<td>(02) 6570 2330</td>
</tr>
<tr>
<td></td>
<td>Director: Technical Services and Projects</td>
<td>Micheal Alexander</td>
<td></td>
</tr>
<tr>
<td></td>
<td>General Manager</td>
<td>Ernest Johnson</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Underground Manager of Mining Engineering</td>
<td>Murray Wood</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Control Room (24 hours)</td>
<td></td>
<td>(02) 6570 2240</td>
</tr>
<tr>
<td></td>
<td>Community Hotline</td>
<td></td>
<td>(02) 6570 2245</td>
</tr>
<tr>
<td>MSB</td>
<td>Emergency Service (24 hour)</td>
<td></td>
<td>1800 248 083</td>
</tr>
<tr>
<td></td>
<td>Singleton District Office</td>
<td></td>
<td>(02) 6572 4344</td>
</tr>
</tbody>
</table>

1.3 STRUCTURE OF THE PUBLIC SAFETY MANAGEMENT PLAN

This PSMP forms part of WCPL’s Environmental Management System for the Wambo Coal Mine. The relationship of this PSMP to the Wambo Coal Mine Environmental Management System is shown on Figure 2.

Longwalls 1 to 10A are located wholly within WCPL-owned land. A right-of-way in favour of several private properties (the route of which may be varied on reasonable notice) across WCPL-owned land is situated within the Longwalls 8 to 10A Application Area. No privately held land or public roads are located within the Longwalls 1 to 10A Application Areas. Therefore, the risks to public safety associated with the extraction of Longwalls 1 to 10A are limited.
FIGURE 2
Wambo Coal Mine
Environmental Management System
A Trigger Action Response Plan (TARP) for this PSMP which is a simple and transparent snapshot of the monitoring of subsidence impacts and corresponding public safety hazards, and where required the implementation of management and/or contingency measures is provided in Attachment 1.

WCPL’s approach to health and safety on-site is outlined in the Health and Safety Management System (H&SMS) and is summarised in the H&SMS Overview. To avoid duplication of existing Management Plans, this PSMP references components of the existing H&SMS as summarised in the H&SMS Overview.

The sections of the H&SMS Overview relevant to the PSMP are summarised in Table 3. The H&SMS Overview is included as Attachment 2. If the H&SMS is revised separately, Attachment 2 of this PSMP will be updated with the most recent H&SMS Overview.

### Table 3
Health and Safety Management System Overview - Reference Summary

<table>
<thead>
<tr>
<th>PSMP Component</th>
<th>H&amp;SMS Overview Reference</th>
<th>Section Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Management Measures</td>
<td>Section 6 – OHS Policy Statement¹</td>
<td>Section 6 of the H&amp;SMS Overview provides Wambo’s commitment in regard to providing a safe, healthy workplace.</td>
</tr>
<tr>
<td></td>
<td>Section 9.1 – Policy¹</td>
<td>Section 9.1 of the H&amp;SMS Overview summarises Wambo’s site policies in relation to Health and Safety. Section 10 of the H&amp;SMS Overview provides a reference to the relevant sections of the H&amp;SMS.</td>
</tr>
<tr>
<td></td>
<td>Section 9.3 – Approach to Risk Management¹</td>
<td>Section 9.3 of the H&amp;SMS Overview summarises WCPL’s approach to risk management.</td>
</tr>
<tr>
<td></td>
<td>Section 10.4 –Implementation¹</td>
<td>Section 10.4 of the H&amp;SMS Overview provides a reference to the relevant sections of the H&amp;SMS that outline the standards and procedures developed to ensure the successful implementation of the H&amp;SMS including:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• risk management;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• incident and hazard management and reporting;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• site introduction; and</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• work health and safety.</td>
</tr>
</tbody>
</table>

¹ Not a specific requirement of this PSMP under Condition 22C(g) of Schedule 4 of the Development Consent (DA 305-7-2003).
2 PERFORMANCE MEASURES

This PSMP has been developed to manage the potential risks to public safety of the proposed secondary workings described in the Extraction Plan for Longwalls 8 to 10A, previous Extraction Plan for Longwalls 7 to 10 and the SMP for Longwalls 1 to 6.

In accordance with Condition 22 and 22A of Schedule 4 of the Development Consent (DA 305-7-2003), WCPL must ensure that there is no exceedance of the subsidence impact performance measures listed in Tables 14A and 14B of Schedule 4 of the Development Consent (DA 305-7-2003). The performance measure specified in Table 14B of Schedule 4 of the Development Consent (DA 305-7-2003) relevant to public safety is listed in Table 4.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Subsidence Impact Performance Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Safety</td>
<td>No additional risk.</td>
</tr>
</tbody>
</table>

Source: Table 14B of Schedule 4 of the Development Consent (DA 305-7-2003).

Section 6 provides a summary of the analysis of monitoring data that will be undertaken to assess the impact of Longwalls 1 to 10A against the performance measure.
3 PREDICTED SUBSIDENCE IMPACTS

Longwalls 1 to 10A are located wholly within WCPL-owned land. No privately held land or public roads are located within the Longwalls 1 to 10A Application Areas.

WCPL-owned lands that are not subject to mining operations are utilised for the agistment of stock (WCPL, 2003). In addition, a right-of-way in favour of several private properties (the route of which may be varied on reasonable notice) across WCPL-owned land is situated within the Longwalls 8 to 10A Application Area (Figure 1).

Given the above, it is considered that potential public safety issues resulting from the extraction of Longwalls 1 to 10A are limited to:

- agistees accessing the Longwalls 1 to 10A Application Areas to manage stock;
- authorised access of private properties via the right-of-way across WCPL-owned land;
- unauthorised access to the Longwalls 1 to 10A Application Areas (e.g. looking for firewood or hunting);
- members of the public visiting the Wambo Homestead Complex (inducted visitors of WCPL); and
- members of the Rural Fire Service accessing Longwalls 1 to 10A Application Areas.

Subsidence risk assessments were undertaken as part of:

- the Extraction Plan process for Longwalls 8 to 10A;
- the Extraction Plan process for Longwalls 7 to 10;
- the Extraction Plan process for Longwalls 7 and 8; and
- the SMP process for Longwalls 1 to 6.

The subsidence risk assessments did not identify any public safety issues in addition to those listed above. Potential subsidence impacts are predicted to include surface cracking, changes in stream bed gradients, erosion and ponding (Ditton Geotechnical Services, 2012; Mine Subsidence Engineering Consultants (MSEC), 2014a; MSEC 2014b). Surface cracking, erosion and ponding may be considered to pose a safety hazard.

The maximum tilts and strains predicted for Longwalls 8 to 10A are summarised in Table 5 and the location of predicted subsidence is presented in Figure 3.

<table>
<thead>
<tr>
<th>Subsidence Parameter</th>
<th>Longwall 8</th>
<th>Longwall 9</th>
<th>Longwall 10</th>
<th>Longwall 10A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Subsidence (m)</td>
<td>2.4</td>
<td>2.3</td>
<td>2.6</td>
<td>2.55</td>
</tr>
<tr>
<td>Maximum Tilt (mm/m)</td>
<td>75</td>
<td>50</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>Maximum Hogging Curvature (km⁻¹)</td>
<td>&gt; 3.0</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Maximum Sagging Curvature (km⁻¹)</td>
<td>&gt; 3.0</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>


m = metre.

mm/m = millimetres per metre.

km⁻¹ = per kilometre.
FIGURE 3
Predicted Incremental Subsidence from North Wambo Underground Mine
4 MONITORING

A monitoring program will be implemented to monitor the subsidence impacts of Longwalls 1 to 10A in consideration of risks to public safety. Key components of the monitoring program are summarised in Table 6.

<table>
<thead>
<tr>
<th>Monitoring Component</th>
<th>Parameter</th>
<th>Timing/Frequency</th>
<th>Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pre-Mining</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visual inspection of the integrity of fences.</td>
<td>Initial condition of fences.</td>
<td>Prior to secondary extraction of each longwall.</td>
<td>Mine Surveyor</td>
</tr>
<tr>
<td>Visual assessment of existing warning signs.</td>
<td>Condition of existing warning signs (e.g. legibility).</td>
<td>Prior to secondary extraction of each longwall.</td>
<td>Underground Mine Engineer</td>
</tr>
<tr>
<td><strong>During Mining</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>North Wambo Underground Mine subsidence monitoring lines as described in the Subsidence Monitoring Program.</td>
<td>Monitoring parameters include: • subsidence; • tilt; • tensile strain; • compressive strain; and • absolute horizontal translation.</td>
<td>Monitoring during secondary extraction in accordance with the Subsidence Monitoring Program.</td>
<td>Mine Surveyor</td>
</tr>
<tr>
<td>Visual inspection of the integrity of right-of-way across WCPL land.</td>
<td>Condition of road surface.</td>
<td>Weekly inspections during secondary extraction.</td>
<td>Environment and Community Manager</td>
</tr>
<tr>
<td>Visual assessment of the effectiveness of warning signs.</td>
<td>Condition of warning signs (e.g. legibility).</td>
<td>Monthly inspections during secondary extraction.</td>
<td>Underground Mine Engineer</td>
</tr>
<tr>
<td><strong>Post-Mining</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visual inspection of the integrity of fences.</td>
<td>Condition of fences following extraction.</td>
<td>Following completion of secondary extraction.</td>
<td>Mine Surveyor</td>
</tr>
</tbody>
</table>

In addition to the monitoring summarised in Table 6, monitoring of surface cracking, erosion and ponding resulting from the extraction of Longwalls 8 to 10A is described in the Land Management Plan for Longwalls 8 to 10A.

Details of any subsidence impacts observed in relation to public safety will be recorded in the Subsidence Impact Register and relevant assessment forms as provided in Attachment 2 of the Subsidence Monitoring Program for North Wambo Underground Mine Longwalls 8 to 10A. The Subsidence Impact Register will be maintained as an electronic spreadsheet on-site, with hard copies of assessment forms filed in a folder. The Subsidence Impact Register is discussed further in the Subsidence Monitoring Program for North Wambo Underground Mine Longwalls 8 to 10A.
5 MANAGEMENT MEASURES

A number of potential management measures are available to mitigate/remediate potential risks to public safety resulting from the extraction of Longwalls 1 to 10A. The key management measures are summarised in Table 7.

Table 7
Public Safety Management Plan Key Management Measures

<table>
<thead>
<tr>
<th>Management Measure</th>
<th>Timing/Frequency</th>
<th>Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pre-Mining</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Restricted access (i.e. the general public are not allowed on WCPL-owned land used for mining purposes). Permanent signage located at the entrance to WCPL-owned land will be maintained.</td>
<td>Ongoing.</td>
<td>Relevant Area Manager as per the WCPL H&amp;SMS</td>
</tr>
<tr>
<td>All personnel and visitors accessing the Wambo site (including the Wambo Homestead Complex) are subject to the requirements of: • WA-TRG-MP-302 Wambo Training and Competency Management Plan; and • WA-S&amp;H-PRO 315.6 Site Introduction of Personnel.</td>
<td>Ongoing.</td>
<td>Relevant Area Manager as per the WCPL H&amp;SMS</td>
</tr>
<tr>
<td>Notification to agistees of areas of longwall mining and active subsidence, and exclusion of agistment grazing from areas where surface cracking presents a reasonable risk to people and/or livestock.</td>
<td>Prior to secondary extraction of each longwall.</td>
<td>Environment and Community Manager</td>
</tr>
<tr>
<td>Posting of warning signs at suitable locations on property boundaries, fences and access tracks, including the right of way across WCPL owned land. The signs will indicate that underground mining (with surface subsidence) is being undertaken on WCPL owned land and will prohibit entry by unauthorised persons.</td>
<td>Prior to secondary extraction of each longwall.</td>
<td>Director: Technical Services and Projects</td>
</tr>
<tr>
<td><strong>During Mining</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All personnel and visitors accessing the Wambo site (including the Wambo Homestead Complex) are subject to the requirements of: • WA-TRG-MP-302 Wambo Training and Competency Management Plan; and • WA-S&amp;H-PRO 315.7 Site Introduction of Personnel.</td>
<td>Ongoing.</td>
<td>Relevant Area Manager as per the WCPL H&amp;SMS</td>
</tr>
<tr>
<td>Management of surface cracking and areas of subsidence troughs in accordance with the Land Management Plan for Longwalls 8 to 10A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management of the right-of-way across WCPL-owned land in accordance with the Built Features Management Plan for Longwalls 8 to 10A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maintenance of warning signs.</td>
<td>Ongoing.</td>
<td>Director: Technical Services and Projects</td>
</tr>
<tr>
<td>All safety incidents will be handled in accordance with the H&amp;SMS (refer to Table 3).</td>
<td>Ongoing.</td>
<td>All staff</td>
</tr>
<tr>
<td><strong>Post-Mining</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repair of fences in accordance with the Land Management Plan for Longwalls 8 to 10A.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Review of warning sign placement and removal if no longer required.</td>
<td>Following completion of secondary extraction.</td>
<td>Director: Technical Services and Projects</td>
</tr>
</tbody>
</table>
6 ASSESSMENT OF PERFORMANCE INDICATORS AND MEASURES

In accordance with Condition 22C(d) of Schedule 4 of the Development Consent (DA 305-7-2003), performance indicators have been developed for the performance measure listed in Table 4.

The performance indicator for the public safety performance measure will be considered to have been exceeded if a hazard to the general public arising from subsidence effects, not previously identified and mitigated accordingly, becomes evident.

Monitoring conducted to inform the assessment of the secondary extraction of Longwalls 1 to 10A against the performance indicator for the performance measure relevant to public safety is outlined in Section 4 of this PSMP. The monitoring process and subsequent assessment of performance indicators and measures is outlined in Figure 4.

If data analysis indicates the performance indicator has been exceeded or is likely to be exceeded, an assessment will be made against the performance measure (i.e. additional risk to public safety). If the performance measure is considered to have been exceeded, the Contingency Plan will be implemented (Section 7). If data analysis indicates that the performance measure has not been exceeded, WCPL will continue to monitor.
Contingency Plan (As per Section 7 of the PSMP)

Has the performance measure been exceeded?
- Yes
- No

Has the performance indicator(s) been exceeded?
- Yes
- No

Is the performance indicator likely to be exceeded (i.e. without management measures)?
- Yes
- No

Management Measures

Assessment of Performance Measures

Is the performance measure likely to be exceeded?
- Yes
- No

Assessment of Performance Indicator(s)

Data Analysis

Monitoring of Environmental Consequences

FIGURE 4
W A M B O C O A L M I N E
Monitoring of Environmental Consequences against Performance Indicators and Measures
7 CONTINGENCY PLAN

In the event the public safety performance measure is considered to have been exceeded or is likely to be exceeded, in accordance with the schematic presented in Figure 4, WCPL will implement the following Contingency Plan:

![Contingency Plan Diagram]

The framework for the various components of the PSMP are summarised in the PSMP TARP which is included as Attachment 1. The PSMP TARP illustrates how the various predicted subsidence impacts, monitoring components and responsibilities are structured to achieve compliance with the relevant statutory requirements, and the framework for management and contingency actions.
8 ROLES AND RESPONSIBILITIES

Key responsibilities of WCPL personnel in relation to this PSMP are summarised in Table 8. Responsibilities may be delegated as required.

Table 8
Public Safety Management Plan Responsibilities Summary

<table>
<thead>
<tr>
<th>Responsibility</th>
<th>Task</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>• Ensure the safety of WCPL employees and the public in relation to WCPL operations.</td>
</tr>
<tr>
<td>General Manager</td>
<td>• Ensure resources are available to WCPL personnel to facilitate the completion of responsibilities under this PSMP.</td>
</tr>
</tbody>
</table>
| Underground Manager of Mining Engineering | • Ensure this PSMP is implemented.  
• Notify the Regulator as per the NSW Work Health and Safety (Mines) Regulation, 2014. |
| Director: Technical Services and Projects | • Ensure the Subsidence Monitoring Program is implemented.  
• Ensure monitoring and reporting required in accordance with this PSMP is carried out within specified timeframes, are adequately checked and processed and are prepared to the required standard.  
• Notify the Underground Manager of Mining Engineering of any safety incidents reported during safety inspections.  
• Prepare training documentation in association with the Health Safety Training Manager and Environment and Community Manager. |
| Environment and Community Manager | • Liaise with relevant stakeholders regarding subsidence impact management and related public safety hazards (e.g. notify the Division of Resources and Energy within the NSW Department of Trade and Investment, Regional Infrastructure and Services [Principal Subsidence Engineer] and DP&E of any significant public safety incidents).  
• Notify agistees of areas of longwall mining and active subsidence, and ensure agistment is excluded from areas where surface cracking presents a reasonable risk to people and/or livestock.  
• Prepare training documentation in association with the Director: Technical Services and Projects and Health Safety Training Manager. |
| Health Safety Training Manager | • Maintain records of training documentation on WCPL’s site training system.  
• Prepare training documentation in association with the Director: Technical Services and Projects and Environment and Community Manager. |
| Underground Mine Engineer (Subsidence Inspector) | • Undertake relevant monitoring and implementation of management measures summarised in Tables 6 and 7 respectively.  
• Take actions to rectify any public safety issues identified.  
• Complete subsidence impact register as described in the Extraction Plan for Longwalls 8 to 10A and notify the Director: Technical Services and Projects and Environment and Community Manager of public safety breaches (i.e. an exceedance of the public safety performance measure). |
| Mine Surveyor (Subsidence Inspector) | • Undertake all subsidence monitoring to the required standard within the specified timeframes and ensure data are adequately checked, processed and recorded.  
• Undertake relevant monitoring summarised in Table 6.  
• Take actions to rectify any public safety issues identified.  
• Complete subsidence impact register as described in the Extraction Plan for Longwalls 8 to 10A and notify the Director: Technical Services and Projects and Environment and Community Manager of public safety breaches (i.e. an exceedance of the public safety performance measure). |
9 TRAINING

All personnel who conduct inspections and have responsibilities in accordance with this PSMP will be trained in the requirements of this PSMP and other management plans associated with the Extraction Plan.
10 REFERENCES


ATTACHMENT 1

PUBLIC SAFETY MANAGEMENT PLAN
TRIGGER ACTION RESPONSE PLAN
<table>
<thead>
<tr>
<th>Condition</th>
<th>Normal</th>
<th>Level 1</th>
<th>Level 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Predicted Impacts</td>
<td>Implement Management Measures</td>
<td>Restoration/Contingency Phase</td>
</tr>
<tr>
<td>Trigger</td>
<td>• Predicted subsidence impacts and associated risks to public safety, described in Section 3.</td>
<td>• Management measures implemented. (With regard to the specific circumstances of the subsidence impact [e.g. the location, nature and extent of the impact] and the assessment of subsidence impacts in accordance with Section 6).</td>
<td>• If the public safety performance measure has been exceeded, or is likely to be exceeded.</td>
</tr>
</tbody>
</table>
| Action    | • Conduct monitoring, consistent with Table 6 and the Subsidence Monitoring Program (Appendix H of the Extraction Plan).  
• Assess the subsidence impacts in accordance with Section 6.  
• Assess the need for management measures in accordance with Table 7. | • Implement management measures, as required, in accordance with Table 7. | • Implement Contingency Plan described in Section 7. |
| Frequency | • Frequency consistent with Table 7. | • As required, in accordance with Section 6. | • As required, in accordance with Section 7. |
| Position of Decision-Making | • Environment and Community Manager.  
• Director: Technical Services and Projects. | • Underground Manager of Mining Engineering. | • General Manager. |
ATTACHMENT 2

WAMBO COAL PTY LTD
HEALTH AND SAFETY MANAGEMENT SYSTEM OVERVIEW
WAMBO COAL PTY LTD
Health and Safety Management System
WA-S&H-MOP-000
HSMS Overview
Document Control

<table>
<thead>
<tr>
<th>Document</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WA-S&amp;H-MOP-000</td>
<td>Health Safety Management System Overview</td>
</tr>
<tr>
<td></td>
<td>Broad Outline of Wambo HSMS system components</td>
</tr>
<tr>
<td></td>
<td>All HSMS documents</td>
</tr>
</tbody>
</table>

Revisions

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Description</th>
<th>By</th>
<th>Position</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Dec 2008</td>
<td>Development</td>
<td>Rob Lowe</td>
<td>HST Manager</td>
</tr>
<tr>
<td>2</td>
<td>Sept 2012</td>
<td>Update to HSMS</td>
<td>Peter Hafey</td>
<td>HST Manager</td>
</tr>
<tr>
<td>3</td>
<td>Oct 2012</td>
<td>Open Cut Mine Transition</td>
<td>Peter Hafey</td>
<td>HST Manager</td>
</tr>
<tr>
<td>4</td>
<td>Dec 2012</td>
<td>Addition of UG Public Safety MP</td>
<td>Peter Hafey</td>
<td>HST Manager</td>
</tr>
</tbody>
</table>

Approvals

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Person</th>
<th>Position</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Oct 2012</td>
<td>Peter Hafey</td>
<td>HST Manager</td>
<td></td>
</tr>
</tbody>
</table>

The nominated Coordinator for this document is Manager Health Safety Training
1.0 Purpose

Provide an overview/outline of the Wambo HSMS for managing health, safety, training and welfare of all persons that work or visit the site. This document will refer to:

- Wambo site – meaning as applies to the whole site including Remainder of Colliery Holdings (RCH)
- UG – components specific to Underground
- CH&PP – components specific to CH&PP
- OC – components specific to Open Cut

The legislation under which Coal Mining is governed utilises a risk based approach. The overview will outline the approach taken at Wambo to ensure risk management is an integral process for all parts of the operation and uses a systematic HSMS.

2.0 Objectives

The Wambo HSMS is a systematic approach that will:

- Provides an overall site system under which all work processes operate.
- Has a structure alignment to AS4801
- Is developed to demonstrate legislative compliance and through development has referred to relevant standards, guidelines and codes of practice.

A well implemented HSMS bring together human and managerial aspects of risk and incorporates the:

- Commitment of all levels of management;
- Setting of clear health and safety objectives;
- Effective consultation and communicating of information.
- Establishment of safe systems of work that ensure machinery, equipment, chemicals, work premises and the local work environment are safe and fit for the purpose they serve, that standard operating procedures and practices are developed, supervised and observed by properly trained, competent, committed and aware people.

3.0 Health Safety Management System Ownership

System ownership refers to those persons who are interested in the perceived system for the purposes of design, improvement, implementation, study, etc.

The Wambo HSMS is owned by everyone in the organisation.

The system is maintained at senior management levels that are in a position to facilitate significant system change.

The HSMS change is consulted and communicated through the following process;

Refer to WA-S&H-MP-303 Communication and Consultation Management Plan
4.0 Health Safety Management System Compliance

The Wambo Health Safety Management System is compliant to the following legislation;

- WHS Act 2011
- WHS Regulation 2011
- CMHS Act 2002
- CMHS Regulation 2006

The Wambo Health Safety Management System structure is aligned with;

- Australian Standard AS/NZS 4801:2001

5.0 Health Safety Management System Approach

6.0 Health and Safety Policy

Wambo is committed to providing safe, healthy workplace pursuant to Peabody’s safety vision.

6.1 Peabody’s Safety Vision

Peabody’s vision is to operate safe workplaces that are incident free.

The following governing principles for safety and health apply to everyone at a Peabody workplace:

- The safety and health of our most important asset, our employees, is a core value that is integrated into all areas of our business;
- All workplace incidents can be eliminated, including injuries, occupational illnesses, property damage and near misses;
- Management has the overall accountability for employee safety and health;
- Employees are responsible for their own safety and health, as well as promoting the safety of their co-workers;
- Employees must be empowered with the skills and authority to perform their jobs in a safe manner;
- All employees must comply with established safety rules and regulations;
- Open, honest and effective safety communication is essential;
- All safety and health efforts must be sustainable and will be continuously reviewed and improved; and
- The workplace is anywhere a Peabody employee is on the job.

### 7.0 Company Operational Structure

![Diagram showing the operational structure of Peabody Energy Australia and its components]

- **Colliery Holder**
  - Peabody Energy Australia

  ![Diagram showing the operational structure of Wambo Coal and its components]

  - **Wambo Underground Operator**
    - Wambo Coal
  - **Wambo Coal Handling Preparation Plant Operator**
    - Wambo Coal
  - **Wambo Open Cut Operator**
    - Wambo Coal

### 8.0 Management Structure

Refer to Wambo Coal WA-S&H-GUI-301 – Management Organisational Structure and Responsibility

### 9.0 Wambo HSMS Components

The components of the Wambo HSMS are aligned to PP-S&H-STD-010.1 Document Control. All HSMS components listed that are developed and/or implemented at Wambo are mapped to the Peabody core safety principles

#### 9.1 Policy

Wambo will define all Health & Safety policies that demonstrate a clear direction for the organisation to follow and facilitate commitment to its HSMS. This includes but not limited to the following:

- Corporate Policy
- Operation Site Policy
- Legislative compliance

#### 9.2 Standards

Wambo will adhere to all Standards, Guidelines and Codes of Practices that are developed and implemented by the following:

- Corporate Standards and Guidelines
• Operation Site Standards and Guidelines
• Australian Standards
• Mine Design Guidelines
• WorkCover NSW and Safe Work Australia Codes of Practices

Standards will be developed as identified by the following processes;
• Broad Brush Risk Assessment
• Formal Risk Assessment
• Incident and Hazard Investigation
• Legislative Changes

9.3 Management Plans

All management plans and procedures will need to comply with the above standards and will be developed from the Risk Management process;
• Broad Brush Risk Assessment
• Formal Risk Assessment

Management plans will be compliant to WHS and CMHS legislation and include the following;
• Management Plans
• Major Hazard Management Plans
• Management Overview Plans

9.4 Procedures

All procedures will be identified by Risk Assessment and developed under the relevant Management Plan and consist of the following;
• Procedures
• Safe Work Procedures

9.5 Documents

All documents that are used under the Wambo HSMS are to comply with the corporate standard PP-S&H-STD-010.1 Document Control. Wambo Coal will incorporate the following documents into the HSMS;
• Guides
• Registers
• Permits
• Forms
• Templates
• Manuals
• JSA’s
10.0 HSMS Structure

The components of the Wambo HSMS are aligned with AS4801 and additional components to cover the operational hazard management plans as required by legislative framework.

10.1 Management Overview Plans

This section covers any overviews of any systems in place under the Health Safety Management System (HSMS) including the following:

- Health Safety Management System **WA-S&H-GUI-000**
- Mechanical Engineering Management **WA-S&H-GUI-001**
- Electrical Engineering Management **WA-S&H-GUI-002**

10.2 Policy

Wambo will define a Health & Safety policy that demonstrates a clear direction for the organisation to follow and facilitates commitment to its HSMS. This section contains overarching site Policies relating:

- Health and Safety **WA-S&H-POL-101**
- Smoking on Site **WA-S&H-POL-102**
- Mobile Phones in the Workplace **WA-S&H-POL-103**
- Injury Management and Return to Work **WA-S&H-POL-104**
- Risk Management **WA-S&H-POL-105**
- Environment **WA-ENV-POL-106**
- Discipline and Fair Treatment **WA-HRS-POL-107**
10.3 Planning

This section of the HSMS is covered within other components and specifically outlines the following:

- Site Health and Safety Plan **WA-S&H-PRO-201**
- Fitness for Work Procedure **WA-S&H-PRO-202**
- Counselling and Disciplinary Procedure **WA-HRS-PRO-203**
- Drug and Alcohol Testing Procedure **WA-S&H-PRO-204**
- Fatigue Management Plan **WA-S&H-MP-205**
- Health Wellbeing and Workplace Injury Management Plan **WA-S&H-MP-206**
- Manual Handling **WA-S&H-MP-207**
- Noise Management **WA-S&H-MP-208**
- Emergency Preparedness and Response **WA-S&H-MP-209**
- Communication and Consultation **WA-S&H-PRO-210**
- Fair Treatment Procedure **WA-HRS-PRO-211**
- Clothing and Footwear **WA-S&H-PRO-107**

10.4 Safety Management Implementation

This section contains all the essential operating procedures and management plans to ensure the successful implementation of the HSMS to provide a healthy and safe work environment. Specifically this section outlines the:

- Management Structure **WA-HRS-GUI-301**
- Training and Competency Management Plan **WA-TRG-MP-302**
- Document Control **WA-S&H-MP-304**
- Risk Management **WA-S&H-MP-305**
- Change Management **WA-S&H-PRO-306**
- Contractor Management **WA-S&H-MP-307**
- Incident & Hazard Management and Reporting **WA-S&H-MP-308**
- First Aid Management **WA-S&H-MP-309**
- Isolation Procedures **WA-S&H-PRO-312**
- Hazardous Substances and Dangerous Goods **WA-S&H-MP-313**
- Confined Space Management **WA-S&H-MP-314**
- Site Introduction **WA-S&H-MP-315**
- Work Health and Safety **WA-S&H-MP-316**
- Record Management **WA-S&H-MP-317**

10.5 Measurement, Audit & Evaluation

This section of the HSMS is covered in many of the operational plans in regard inspections of hazardous areas, plant equipment and corrective and preventative actions. Specifically this section outlines the:

- Health Monitoring **WA-S&H-PRO-401**
- Implementation and Management of PIMS **WA-S&H-MP-402**
- Audit Monitoring and Measurement **WA-S&H-MP-403**
10.6 Environment

The environment section outlines all requirements to ensure environments conditions are maintained for the short and long term of the mine.

- Environmental Management Plan WA-ENV-MP-501
- Waste Water Management Plan WA-ENV-MP-502

10.7 Underground Major Operational Hazards

This section of the HSMS covers the major operational hazards for the Underground Operations and the components are as follows:

- Monitoring Arrangements WA-MIN-MP-601
- Ventilation Management WA-MIN-MP-602
- Underground Transport Rules WA-MIN-MHMP-603
- Interaction with Open Cut Blasting WA-MIN-PRO-604
- Strata Management WA-MIN-MHMP-605
- Inrush Management WA-MIN-MHMP-606
- Fire & Explosion Management WA-MIN-MHMP-607
- Airborne Dust Management WA-MIN-MHMP-608
- Spontaneous Combustion WA-MIN-MP-609
- Dust Explosion Management WA-MIN-MHMP-610
- Slope Stability WA-MIN-MHMP-611
- Inspection Program WA-MIN-MP-614
- Supervision Arrangements WA-MIN-PRO-615
- Withdrawal Conditions WA-MIN-PRO-616
- Auxiliary Fan Management WA-MIN-MP-617
- Wind Blast Management WA-MIN-MP-618
- Survey and Plan Arrangements WA-MIN-PRO-619
- Underground Shotfiring WA-MIN-MHMP-620
- Self Escape WA-MIN-MP-621
- Outburst Management WA-MIN-MP-622
- Subsidence Management WA-MIN-MP-623
- Life cycle WA-MIN-MP-624
- Sealed goaf WA-MIN-MP-625
- Surface transport WA-MIN-MHMP-626
- Emergency response WA-MIN-MP-627
- Public Safety Management Plan WA-MIN-MP-628

10.8 Underground Mechanical Engineering

The site mechanical engineering is documented in the following:

- Mechanical Engineering Management Plan WA-MIN-MP-627
- Life Cycle Management WA-ENG-MP-701
- Engineering Standards WA-ENG-MP-702
• Conveyor Maintenance WA-ENG-MP-703
• Mobile Plant WA-ENG-MP-704
• Diesel Management WA-ENG-MP-705
• Hydraulics Management WA-ENG-MP-706
• Tyre and Rim Management WA-ENG-MP-707
• Cutting and Welding Management WA-ENG-MP-708
• Lifting Equipment WA-ENG-MP-709
• Examination and Testing WA-ENG-MP-710
• Defects Management WA-ENG-MP-711

10.9 **Underground Electrical Engineering**

The site mechanical engineering is documented in the following;
- Electrical Engineering Management Plan WA-ENG-MP-800
- Life Cycle Management WA-ENG-MP-801
- Engineering Standards WA-ENG-MP-802
- Examination and Testing WA-ENG-MP-803
- Defects Management WA-ENG-MP-804

10.10 **CH&PP Major Operational Hazards**

This area covers the major operational hazards for the CH&PP and the components are as follows:
- Stockpile Management
- Inspection System
- Spontaneous Combustion
- Airborne Dust
- Lightning Management
- Emergency Management
- Fire and Explosion

10.11 **CH&PP Mechanical Engineering**

- Mechanical Engineering Management Plan
- Life Cycle Management
- Engineering Standards
- Conveyor Maintenance
- Mobile Plant
- Diesel Management
- Hydraulics Management
- Cutting and Welding Management
- Lifting Equipment
- Examination and Testing
- Defects Management
10.12 CH&PP Electrical Engineering

- Electrical Engineering Management Plan
- Life Cycle Management
- Engineering Standards
- Examination and Testing
- Defects Management

10.13 Open Cut Major Operational Hazards

Open Cut operations are documented in the following:

- Explosives Management [WA-MIN-MHMP-1201]
- Slope Stability Management [WA-MIN-MHMP-1202]
- Surface Transport Management [WA-MIN-MHMP-1203]
- Stockpile Management [WA-MIN-MHMP-1204]
- Airborne Dust Management [WA-MIN-MHMP-1205]
- Fire and Explosion Management [WA-MIN-MHMP-1206]
- Emergency Response Management [WA-MIN-MHMP-1207]
- Inrush Management Plan [WA-MIN-MHMP-1208]
- Inspection and Supervision Management Plan [WA-MIN-MP-1209]
- Spontaneous Combustion Management [WA-MIN-MP-1210]
- Strata Control Management [WA-MIN-MP-1211]
- Drill and Blast Management [WA-MIN-MP-1212]
- Withdrawal Conditions [WA-MIN-MP-1213]

10.14 Open Cut Mechanical Engineering

- Mechanical Engineering Management Plan [WA-MIN-MHMP-1301]
- Life Cycle Management [WA-MIN-MP-1302]
- Engineering Standards [WA-MIN-MP-1303]
- Mobile Plant [WA-MIN-MP-1304]
- Diesel Management [WA-MIN-MP-1305]
- Hydraulics Management [WA-MIN-MP-1306]
- Cutting and Welding Management [WA-MIN-MP-1307]
- Examination and Testing [WA-MIN-MP-1308]
- Defects Management [WA-MIN-MP-1309]
- Tyres and Rims Management [WA-MIN-MP-13010]
- Cranes and Lifting Equipment Management [WA-MIN-MP-1311]

10.15 Open Cut Electrical Engineering

- Electrical Engineering Management Plan [WA-MIN-MHMP-1401]
- Life Cycle Management [WA-MIN-MP-1402]
- Engineering Standards [WA-MIN-MP-1403]
- Examination and Testing [WA-MIN-MP-1404]
- Defects Management [WA-MIN-MP-1405]
10.16 Human Resources

Peabody Energy Australia considers people its greatest asset. All Policy and Procedures are developed by the Peabody energy corporate and available on the Peabody Intranet.

10.17 Wambo Coal Standards

Wambo Coal has developed a Standards Management Plan WA-S&H-MP-1601 to ensure compliance and the health and safety of its people. This is additional to any Australian, Corporate or Legislative standards;

- Musculoskeletal Disorder WA-S&H-STD-1602
- Login Onsite Track Easy WA-S&H-STD-1603
- PPE WA-S&H-STD-1604
- Prohibited Articles WA-S&H-STD-1605
- Lighting in Mining Areas WA-S&H-STD-1606
- Tree Clearing WA-S&H-STD-1607
- Working at Heights WA-S&H-STD-1608
- Open Cut Electrical Installations Machinery WA-S&H-STD-1609
- Soft Tissue Injury Management WA-S&H-STD-1610
- Fire Suppression on Machinery WA-S&H-STD-1611
- Cranes, Machinery and Equipment Lifting WA-S&H-STD-1612
- Fire Management WA-S&H-STD-1613
- Light Vehicle and Forklift WA-S&H-STD-1614
- Housekeeping WA-S&H-STD-1615
- Work Areas and Buildings WA-S&H-STD-1616
- Storing and Packing WA-S&H-STD-1617
- Selection and Use of Hand Tools WA-S&H-STD-1618
- Machine Guarding WA-S&H-STD-1619
- Pressurised Liquid, Air & Gas Equipment WA-S&H-STD-1620
- Selection and Introducing Equipment to Site WA-S&H-STD-1621
- Land Management WA-S&H-STD-1622
- Haul Road Design, Construction and Maintenance WA-S&H-STD-1623
- Working In or Around Bodies of Water WA-S&H-STD-1624
- Inclement Weather WA-S&H-STD-1625
- Hygiene WA-S&H-STD-1626
- Permit to Work WA-S&H-STD-1627