
Electricity Safety- Electric Line Clearance Plan

Hazelwood Rehabilitation Project

Classification: Confidential Restricted Unclassified Internal

Document Control

Change Record

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Revisions

REV No.	DATE	DESCRIPTION OF CHANGE
0	March 2013	Development of document from draft for approval
1	May 2014	Annual Review and Update
2	September 2014	Update based on ESV clarifications and recommendations
3	June 2015	Revised to reflect changes from the Hazelwood Mine Fire Inquiry
4	March 2016	Annual Review and Update
5	March 2017	Annual Review and Update

1.3.1	September 2018	Cessation of Mine Bucket Wheel Operation and Decommissioning Update
1.4.1	October 2019	Update based on ESV clarifications and recommendations
1.5	September 2020	Introduction of the new Electrical Safety - Electric Line Clearance Regulations 2020 Annual Review and Update.
1.5.1	November 2020	Document format updated for 2020.
1.6	July 2021	Annual Review and Update.

Release Notice

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Deviations from Document

Significant deviation from this document must be approved by the Hazelwood Power Rehabilitation Manager.

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1 Purpose

Comply with the requirements of relevant Victorian legislation and regulations:

- **Electricity Safety Act 1998**
- **Electricity Safety (Electric Line Clearance) Regulations 2020**

Hazelwood Power operates and maintains its own overhead line electric power and cable distribution system and is therefore responsible to ensure that vegetation is kept clear of this distribution system, thus reducing the risk of a fire being caused by vegetation coming into contact with electricity.

2 Scope

Hazelwood Power operates an overhead line and cable power distribution system across its Hazelwood Rehabilitation Project (HRP) site operating at 6.6kV. All the HRP site overhead electric lines are contained within the site's boundaries, except for two spans that cross a public road between two areas of the business. These two spans have been deemed not significant in previous discussion with ESV.

This plan details the practices and procedures in place at HRP site for the management of vegetation near the overhead power lines.

3 Responsibilities and Authorities

3.1. Project Director:

The Project Director shall ensure that:

- an electric line clearance management plan is reviewed annually before 31 March of each year relating to Hazelwood Power meeting its electric line clearance responsibilities for the next financial year;
- upon Energy Safe Victoria's (ESV) request, Hazelwood Power must submit the electric line clearance management plan to ESV within 14 days.

3.2. Rehabilitation Manager:

The Rehabilitation Manager shall ensure that:

- To review and update the plan annually to comply with the legislation, regulations and industry "Best Practices. Also ensure that any changes to relevant operational procedures are compliant with the regulations and reflected in this plan;
- Ensure that the processes and procedures required to comply with this plan are in place and followed;

- c) Ensure that the regulatory requirements are complied with by the business;
- d) Have an audit process in place to ensure that the requirements of this plan are being met.

3.3. Electrical Asset Engineer:

- a) Ensure that all Hazelwood Power personnel and contractors understand their responsibilities in meeting the requirements of this plan;
- b) The person responsible for carrying out the plan.

4 Prescribed Particulars

4.1. The name address and telephone number of the specified operator:

Name: Hazelwood Power
Address: 1 Hazelwood Drive, Hazelwood, PO Box 195, Morwell VIC 3840
Phone No: (03) 5135 5006

4.2. Person responsible for the preparation of the plan:

Name: Electrical Asset Engineer
Address: 1 Hazelwood Drive, Hazelwood, PO Box 195, Morwell VIC 3840
Phone No: (03) 5135 5006 / Mobile No 0408 126 223

4.3. Person responsible for carrying out the plan:

Name: Electrical Operating Authority (Electrical Asset Engineer)
Address: 1 Hazelwood Drive, Hazelwood, PO Box 195, Morwell, VIC, 3840
Phone No: (03) 5135 5006 / Mobile No 0408 126 233

4.4. Mine Services Availability Officer (24/7):

Name: 1 x 7 Mine Services Supervisor
Address: 1 Hazelwood Drive, Hazelwood, PO Box 195, Morwell, VIC, 3840
Phone No: (03) 5135 5006 / Mobile 0428 339 632 or 0409 178

4.5. Emergency Commander 24/7:

Name: Emergency Commander
Address: 1 Hazelwood Drive, Hazelwood, PO Box 195, Morwell VIC 3840
Phone No: (03) 5135 3333 / Mobile 0428 372 090

4.6. Stakeholder Engagement:

Name: Stakeholder Engagement Manager
Address: 1 Hazelwood Drive, Hazelwood, PO Box 195, Morwell, VIC, 3840
Phone No: (03) 5135 5006 / Mobile No 0418 331 683

4.7. The objectives of the plan;

Is to adopt sensible precautions and suitable practices for the management of vegetation on the HRP site to:

- Protect personnel within the business from the risk of electric shock from the power lines; and
- Minimise the likelihood of the power lines starting a fire;

while ensuring our responsibilities for maintaining native fauna and flora are met.

An Environmental Management System is in place for the HRP site that meets the legislative requirements for management of flora and fauna including auditing. Audits of flora and fauna have been conducted.

In relation to fauna, currently some species have been identified as “endangered”, however no listings have been made as “vulnerable” and/or “critically endangered” during site surveys. Details of the locations of these “Endangered” species for the site can be found in the drawings listed in Appendix C. While all trees are habitat trees to some extent, due care is taken to minimise the risk to fauna when trees are removed due to proximity to overhead power lines.

4.8. Plan of the mine showing the overhead power lines;

Drawing of mine showing all overhead power lines – Appendix A

A Site Locality Map is shown at Appendix B.

Note: Hazelwood Power’s lines are shown in black. The other coloured lines on the map indicate power lines and transmission lines, on our site, owned by a Major Electrical Company (MEC), AusNet Services.

4.9. Trees of significance;

There are no trees of significance in the area of the power lines. The entire HRP site is covered by an Environmental Management System.

Vegetation is removed from the vicinity of power lines whenever it is identified as an issue. Where the vegetation is native the Project Environmental Officer is contacted prior to its removal to confirm the species and importance of the tree.

4.10. Site Vegetation Identification

All significant vegetation on site has been identified in the relative drawings listed within Appendix C.



4.11. Plan for inspection and clearance;

All overhead high voltage power lines and poles are inspected on a 3-year cycle, as required by the Electricity Safety (Bushfire Mitigation) Regulations. A term contract has been let for the inspection of the whole and/or a nominated portion of the HRP site distribution system. The contract is awarded to a competent and qualified contractor.

A scheduled annual vegetation clearance inspection is conducted by the Electrical Asset Engineer or at the discretion of the Electrical Asset Engineer; this activity can be undertaken by the nominated competent contractor. In addition to these scheduled activities the Electrical Asset Engineer will conduct additional random checks to ensure nothing unexpected has occurred.

Where vegetation is identified as causing a risk, subject to the issues listed above, the vegetation (tree) will be partially or completely removed subject to the prior approval of the Hazelwood Rehabilitation Project Environmental Officer.

5 Audits and Reviews;

Hazelwood Power maintains its Management Systems consistent with the requirements of AS/NZ ISO 9001:2008, AS/NZS ISO 14001:2004, AS/NZS 4801:2001 and OHSAS 18001:2007 standards, which includes internal auditing and review processes.

Site inspections by the Contract Manager and/or Responsible Officer will also verify levels of KPI compliance achieved by the nominated competent contractor.

5.1. Accreditation of Lines Inspectors and Vegetation Clearers;

The HRP site HV overhead lines and poles are inspected every three years by a qualified and certified inspector. The nominated service provider/contractor is required to provide an inspector/person with a Certificate II accreditation in Asset Inspection (or equivalent as approved by ESV).

A work order/purchase order is issued by Hazelwood Power to the nominated service provider/contractor to undertake an inspection of the HRP site infrastructure and provide a report of their findings to the Electrical Asset Engineer on completion for review.

Inspector qualifications are checked by the Electrical Asset Engineer when the Inspector presents themselves for access to the equipment. The HRP site Electrical Operating Authority controls access to the lines, monitors progress and checks on site activities. In addition, the Hazelwood Power Contract Manager and/or Responsible Officer for the contract will conduct site audits for compliance with site requirements including licensing and accreditation of site personnel and compliance with OH&S regulations.

The HRP site HV overhead lines and poles require annual vegetation clearance inspection. At the discretion of the Electrical Asset Engineer these activities may be undertaken either by a certified/approved Electrician and/or the Electrical Asset Engineer or by a nominated and certified contractor as above.

When the actual vegetation for removal has been identified, the vegetation will be removed by an authorised Hazelwood Power employee and/or an approved service provider/contractor. In some cases, the contractor may be working for the same company as the HV overhead line inspector on other occasions this service may be provided by another approved and certified service provider/contractor.

The service provider/contractor removing the vegetation will be instructed to remove the vegetation (tree) wherever practical. If a tree has to be pruned, it is to be cut to give a minimum 5-year clearance from the line.

The trees would be removed under the Bushfire Mitigation regulations. No arborist would be consulted for a removal unless there was a safety risk associated with removing the tree, all removals must be authorised by the Project Environment Officer.

5.2. Accessibility of Documents

The current version of this plan is kept within the Hazelwood Power document management system software (Paradigm). A copy of this document may be requested during normal business hours by contacting the Stakeholder Engagement Manager at Hazelwood Power. See section 5 of this plan for contact details. A copy of this plan is also available on the HRP web site. Go to:

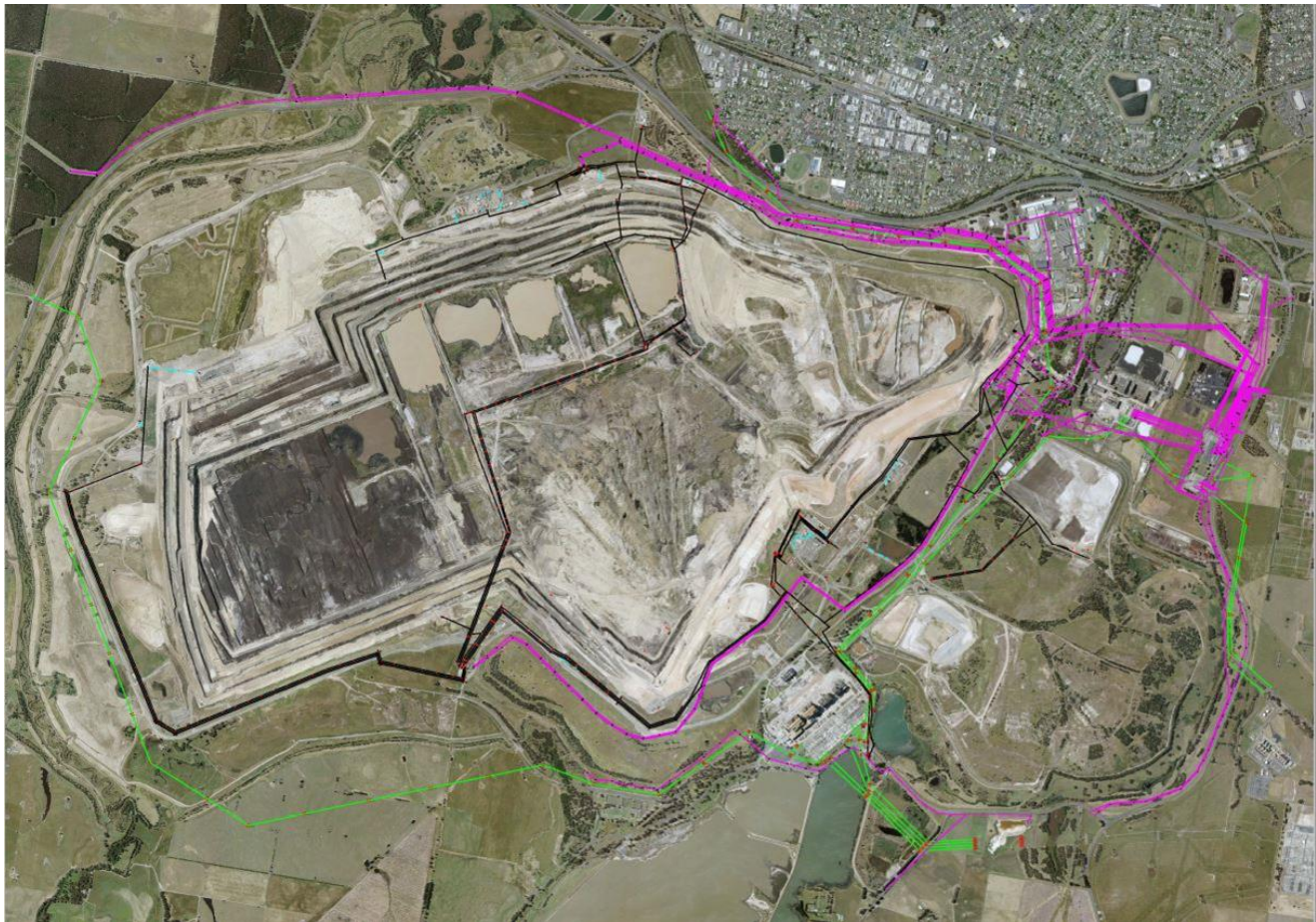
www.hazelwoodrehabilitation.com.au



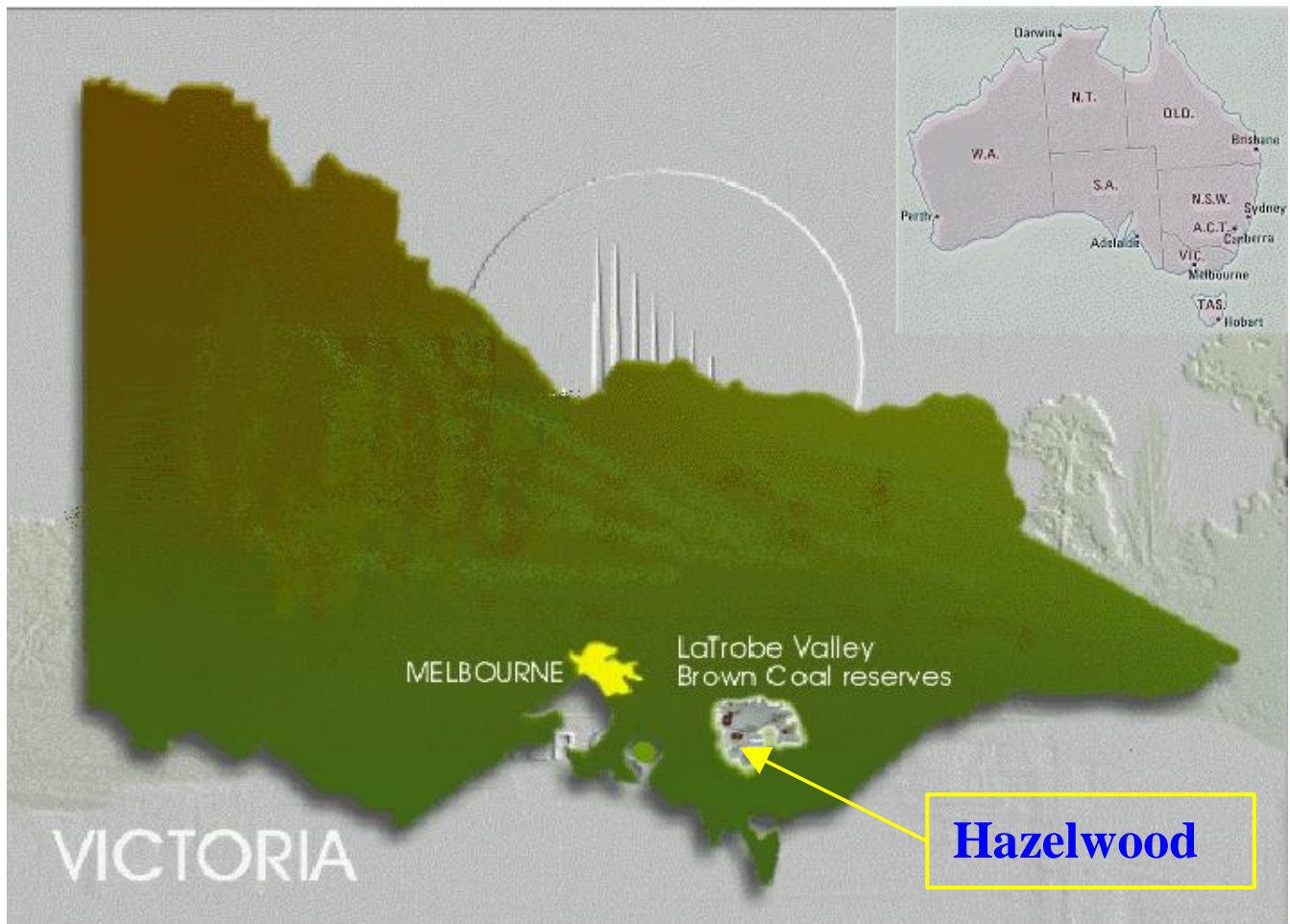
Appendix A – HRP Site Electrical Overhead Lines as of April 2021

Drawing of the HRP site Distribution System “at risk electric overhead lines, April 2021.

Note: the “at risk” HRP site overhead power lines are shown in black. The other coloured lines on the map indicate overhead power lines on the HRP site, owned by the Major Electrical Company (MEC), AusNet Services.



Appendix B - Hazelwood Locality Map



Appendix C - Site Vegetation Identification Drawings

Site Vegetation Identification Drawings:

- LV66/19-1/023 – ENGIE Hazelwood Land Use Areas.
- LV66/20-1/006 – Mine Native Flora Plan.
- LV66/25-14/031 – Environmental Protection Biodiversity Conservation Act.

