
Electricity Safety- Electric Line Clearance Plan

Hazelwood Rehabilitation Project

Classification: Confidential Restricted Unclassified Internal

Document Control

Change Record

Version No.	Author	Date	Reviewer		Approver	
0	P Brimblecombe	March 2013	S Dargan	March 2013	S Kemsley	March 2013
1	P Brimblecombe	May 2014	S Dargan	May 2014	S Kemsley	May 2014
2	P Brimblecombe	September 2014	S Dargan	September 2014	S. Kemsley	September 2014
3	P Brimblecombe	June 2015	S Dargan	June 2015	S Kemsley	June 2015
4	P Brimblecombe	March 2016	S Dargan	March 2016	P Brimblecombe	March 2016
5	P Brimblecombe	March 2017	S Dargan	March 2017	S Dargan	March 2017
1.3.1	N Wynn	September 2018	R Brooker	September 2018	N Wynn	September 2018
1.4.1	N Wynn	September 2019	M Anderson	October 2019	N Wynn	Oct 2019
1.5	N Wynn	September 2020	R Brooker	October 2020	M Anderson	October 2020
1.5.1	N. Wynn	November 2020	R Brooker	November 2020	M Anderson	November 2020

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.

Release Notice

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Deviations from Document

Significant deviation from this document must be approved by the ENGIE Hazelwood Rehabilitation Head of Compliance.

Contents

1	Purpose	5
2	Scope	5
3	Responsibilities and Authorities	5
3.1.	Project Director:	5
3.2.	Mine Lead:	5
3.3.	Mine Electrical Asset Engineer:	6
3.4.	Head of Compliance:	6
4	Prescribed Particulars	6
4.1.	The name address and telephone number of the specified operator:	6
4.2.	Person responsible for the preparation of the plan;	6
4.3.	Person responsible for carrying out the plan;	6
4.4.	Emergency Duty Officer Contacts;	7
4.5.	Emergency Commander (Falck) 24/7 contacts:	7
4.6.	Stakeholder Engagement Contact;	7
4.7.	The objectives of the plan;	7
4.8.	Plan of the mine showing the overhead power lines;	7
4.9.	Trees of significance;	8
4.10.	Site Vegetation Identification	8
4.11.	Plan for inspection and clearance;	8
5	Audits and Reviews;	8
5.1.	Accreditation of Lines Inspectors and Vegetation Clearers;	8
5.2.	Accessibility of Documents	9
Appendix A – Mine Electrical Overhead Lines as of August 2020		10
Appendix B - Hazelwood Locality Map		11
Appendix C - Site Vegetation Identification Drawings		12

1 Purpose

Comply with the requirements of relevant Victorian legislation and regulations:

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

ENGIE Hazelwood 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

ENGIE Hazelwood operates an overhead line and cable power distribution system across its site operating at 6.6kV. All the ENGIE 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 ENGIE Hazelwood for the management of vegetation near the overhead power lines.

3 Responsibilities and Authorities

3.1. Project Director:

The Project Director shall ensure that:

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

3.2. Mine Lead:

- a) Ensure that the processes and procedures required to comply with this plan are in place and followed;
- b) Ensure that this plan is reviewed and updated at regular intervals in line with legislation, regulations and industry "Best Practices";
- c) Have an audit process in place to ensure that the requirements of this plan are being met.

3.3. Mine Electrical Asset Engineer:

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

3.4. Head of Compliance:

- a) Ensure that the regulatory requirements are complied with by the business;
- b) To review and update the plan annually to comply with the regulations and ensure that any changes to relevant operational procedures are compliant with the regulations and reflected in this plan.

4 Prescribed Particulars

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

Name: ENGIE Hazelwood
Address: Hazelwood Drive, Hazelwood, PO Box 195, Morwell VIC 3840
Phone No: (03) 5135 5000

4.2. Person responsible for the preparation of the plan;

Name: Mine Electrical Asset Engineer
Address: Hazelwood Drive, Hazelwood, PO Box 195, Morwell VIC 3840
Phone No: (03) 5135 5000 / Mobile No 0408 126 223

4.3. Person responsible for carrying out the plan;

Name: Electrical Operating Authority (Mine Electrical Asset Engineer)
Address: Hazelwood Drive, Hazelwood, PO Box 195, Morwell, VIC, 3840
Phone No: (03) 5135 5000 / Mobile No 0408 126 233

4.4. Emergency Duty Officer Contacts;

Name: Emergency Commander (Falck), Emergency Services Liaison Officer, Mine Electrical Asset Engineer or Mine Electricians.

Address: Hazelwood Drive, Hazelwood, PO Box 195, Morwell, VIC, 3840

Phone No: These emergency contact numbers are made available through the “Availability Duty Officer Weekly Roster”.

Note, the emergency duty officer is available during normal working hours and is rostered for out of hours cover

4.5. Emergency Commander (Falck) 24/7 contacts:

Name: Emergency Commander (Falck),

Address: Hazelwood Drive, Hazelwood, PO Box 195, Morwell VIC 3840

Phone No: (03) 5135 3333 / Mobile 0428 372 090

4.6. Stakeholder Engagement Contact;

Name: Stakeholder Engagement Manager

Address: Hazelwood Drive, Hazelwood, PO Box 195, Morwell, VIC, 3840

Phone No: (03) 5135 5000 / 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 in the ENGIE Hazelwood mine 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 whole 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

Site Locality Map – Appendix B



Note: ENGIE Hazelwood power 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 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 is let for the inspection of the whole and/or a nominated portion of the mine distribution system. The contract is awarded to a competent and qualified contractor.

A scheduled annual vegetation clearance inspection is conducted by the Mine Electrical Asset Engineer or at the discretion of the Mine Electrical Asset Engineer; this activity can be undertaken by the nominated competent contractor. In addition to these scheduled activities the Mine 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;

ENGIE Hazelwood 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 Engie Hazelwood mine 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 ENGIE Hazelwood to the nominated service provider/contractor to undertake an inspection of the mine infrastructure and provide a report of their findings to the Mine Electrical Asset Engineer on completion for review.

Inspector qualifications are checked by the Mine Electrical Asset Engineer when the Inspector presents themselves for access to the equipment. The Mine Electrical Operating Authority controls access to the lines, monitors progress and checks on site activities. In addition, the ENGIE Hazelwood 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 Engie Hazelwood mine HV overhead lines and poles require annual vegetation clearance inspection. At the discretion of the Mine Electrical Asset Engineer these activities may be undertaken either by a certified/approved Mine Electrician and/or the ENGIE Mine 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 ENGIE 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.

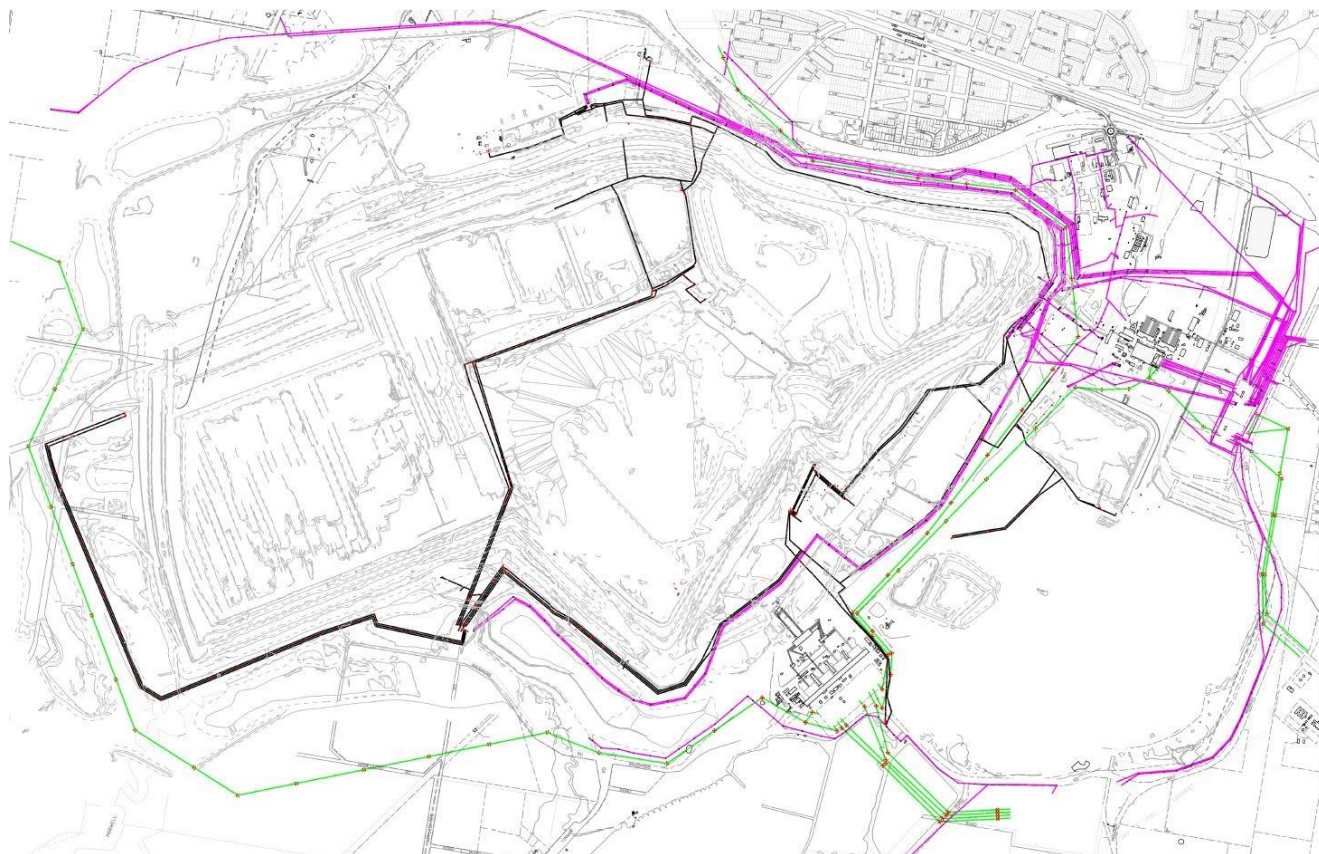
5.2. Accessibility of Documents

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

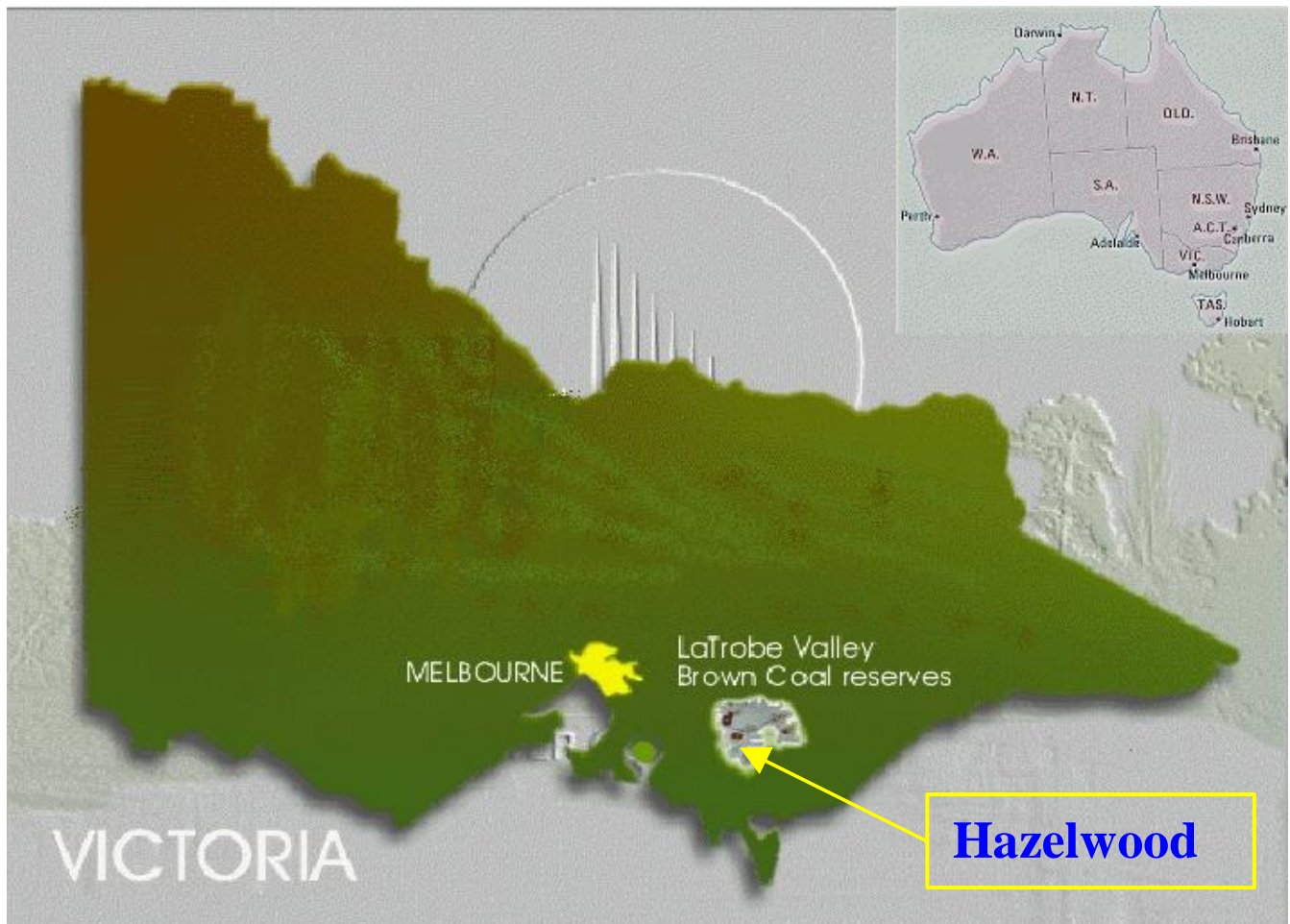
Appendix A – Mine Electrical Overhead Lines as of August 2020

Drawing of the Mine Distribution System “at risk electric lines August 2020.

Note: the “at risk” ENGIE Hazelwood overhead power lines are shown in black. The other coloured lines on the map indicate overhead power lines on our 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.

