


Fosterville Gold Mine

OHSF-MPL-004

Electrical Line Clearance Management Plan

2023-2024

Document Number:	OHSF-MPL-004
Issue Number:	2023-08
Authorised by:	Lance Faulkner – General Manager
Authorisation date:	30 th March 2023
Signature:	

Related Documents:

- Electricity Safety Act 1998
- Electricity Safety (Electric Line Clearance) Regulations 2020 Version 001_27_June_2020 No 50/2020
- Blue Book – The Blue Book 2017 Code of Practice on electrical safety for the work on or near high voltage electrical apparatus.

Scope:

This Electrical Line Clearance Management Plan has been prepared to comply with the requirements of the Electricity Safety (Electric Line Clearance) Regulations 2020. The objective of this ELCMP is to describe management procedures to comply with the regulations. An annual review of all regulation changes will be conducted prior to submission of the ELCMP each year.

Purpose:

The objective of this Electrical Line Clearance Management Plan is to describe the process and plans in place to comply with the Regulations to ensure that the electric lines are kept well clear of the vegetation to minimise the risk to public safety, and the effect of the electric lines on the vegetation.

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DOCUMENT CONTROL

Revision 01 – Document Reviewed October 2017

1) Document reviewed 23rd May 2017.

- i) Reviewed current document to relevant act for 2017-18. Authorised Version No. 001. Electricity Safety (Electric Line Clearance) Regulation 2015 S.R. No. 67/2015 dated 28 June 2015. Updated contact details for FGM.
- ii) Added Appendix 2 – Location Map.

Revision 02 – Document Reviewed October 2018

2) Document reviewed 22nd June 2018.

- i) Reviewed current document to relevant act for 2018-19. Authorised Version No. 001. Electricity Safety (Electric Line Clearance) Regulation 2015 S.R. No. 67/2015 dated 28 June 2015. Updated contact details for FGM.
- ii) Update preface for new overhead line.
- iii) Updated site contact details.
- iv) Update (f) to include 2 x power lines and new appendixes.
- v) Updated all appendixes to include overhead power line Pole 1A to Pole 8A.

Revision 03 – Document Reviewed March 2019

3) Document reviewed 25th March 2019.

- i) Reviewed current document to relevant act for 2019-20. Authorised Version No. 001. Electricity Safety (Electric Line Clearance) Regulation 2015 S.R. No. 67/2015. Authorised Version as of 28 June 2015.
- ii) Added FGM document page with company header and footer.
- iii) Changed page numbering to Page X of Y.
- iv) Page 1 Added summary table, related documents, scope and purpose wording.
- v) Page 10 Added acronym ELCMP to acronym table.
- vi) Added number 3 to all sections to align to regulations.
- vii) Added hyperlink to regulator reports where the plan can be located.

Revision 04 – Document Reviewed March 2020

4) Document reviewed 24th March 2020.

- i) Reviewed current document to relevant act for 2019-20. Authorised Version No. 001. Electricity Safety (Electric Line Clearance) Regulation 2015 S.R. No. 67/2015. Authorised Version as of 28 June 2015.
- ii) Updated revision number and arranged to have a copy of this management plan on the company website.

Revision 05 – Document Reviewed March 2020

5) Document reviewed 19^h June 2020.

- i) Reviewed current document in relation to question asked in:
 - i. ELCMP Evaluation Matrix 20200414 - Fosterville Gold Mine
 - ii. 7/08/20 Conducted updated from PEGACM-9355-8 ELCMP Evaluation Matrix 2020414.
 - iii. Made changes from latest review 14th September. Added Appendix 6 – Minimum Clearance

Revision 06 – Document Reviewed March 2021

6) Document reviewed 23rd March 2021.

- i) Reviewed current document to relevant act for 2021. Authorised Version No. 001. Electricity Safety (Electric Line Clearance) Regulation 2020 S.R. No. 50/2020. Authorised Version as of 27 June 2020.
- ii) Updated revision number and arranged to have a copy of this management plan on the company website.
- iii) Updated General Manager details on front page and pages 5 and 6.
- iv) Updated Heath Guthrie email address on page 6.
- v) Update subclauses reference from 3 – 4 to align to new regulations.
- vi) Updated Appendix 4 text.
- vii) Updated Power Network Services Pty Ltd to Energy Solutions Pty Ltd (Beon) to align to new maintenance agreement.

Revision 07 – Document Reviewed March 2022**7) Document reviewed 30th March 2022.**

- i) Reviewed current document to relevant act for 2022. Authorised Version No. 001. Electricity Safety (Electric Line Clearance) Regulation 2020 S.R. No. 50/2020. Authorised Version as of 27 June 2020.
- ii) Updated Purpose page 1.
- iii) Web page address updated, agreement to be uploaded once approved.
- iv) Updated person in 4C to Heath Guthrie.
- v) Updated revision number and arranging to have a copy of this management plan on the new company website.
- vi) Updated references to Power Network Services Pty Ltd to Energy Solutions Pty Ltd (Beon) to reflect change in agreement – whole document.
- vii) Updated Preface page 5.
- viii) Update page 9 4j) (1) form dot pint 18 to dot point 19.

Revision 08– Document Reviewed March 2023**8) Document reviewed 30th March 2023.**

- i) Reviewed current document to relevant act for 2023. Authorised Version No. 001. Electricity Safety (Electric Line Clearance) Regulation 2020 S.R. No. 50/2020. Authorised Version as of 27 June 2020.
- ii) Updated revision number and arranging to have a copy of this management plan on the new company website.
- iii) Updated General Manager details on front page and pages 6 and 7.
- iv) Updated Heath Guthrie email address on page 7.

This Management Plan relates to the requirements under:
Electricity Safety (Electric Line Clearance) Regulations 2020 Version No.001 as of 27 June 2020
SR No 50/2020.

A copy of this management plan will be held on site at the Fosterville Gold Mine office and on the company website: <https://agnicoeagle.com/English/home/default.aspx>

The report will be published on the company internet site by 1st July each year to replace the previous year report.

A copy of the report will be kept and maintained at the mine electrical superintendent's office.

Any member of the public may ask to inspect the plan by contacting the office at Fosterville Gold Mine as per details below.

PREFACE

The Electric lines under the control and ownership of Fosterville Gold Mine Pty Ltd span from the Fosterville Gold Mine owned Fosterville Terminal Station (FVTS) to:

- 1) The Processing Facility High Voltage Switchroom 311-EB-01 that are attached to a single pole line 2.9 km in length.
- 2) The Mine Ventilation High Voltage Switchroom 111-EB-02 that are attached to a single pole line 810 metres in length.

The vegetation management processes are in place to establish and maintain the clearance space around the electric lines as required.

The Responsible Person for the ELCMP is also responsible for the Operation and Maintenance of the 11kV power lines, poles and the FVTS. This person will ensure the inspection and rectification process are conducted. The process and procedures to be utilised will be to the standards, code of practices and manuals defined by an approved distribution company. Fosterville Gold Mine Pty Ltd acknowledges that these standards and manuals are acceptable for their use.

The terminal station under the control and ownership of Fosterville Gold Mine has been established within a vegetation free compound that is not accessible to the public. The establishment of hard standing areas adjacent to or surrounding the substations has restricted the vegetation surrounding the substations. Where a hard-standing area does not completely surround the station enclosure the only vegetation that will be grown is being restricted to ground cover type plants (grasses).

ACRONYMS

Acronym	Definition
ASN	Ausnet Services
BMP	Bushfire Mitigation Plan
CFA	Country Fire Authority
DFDP	Declared Fire Danger Periods
ELCMP	Electrical Line Clearance Management Plan
FVTS	Fosterville Terminal Station
VESI	Victorian Electricity Supply Industry

PREPARATION OF MANAGEMENT PLAN

Electric Line Clearance Management Plan submitted by:

Fosterville Gold Mine Pty Ltd
McCormicks Rd, Fosterville 3557
Office: 03 5439 9000
Facsimile: 03 5439 9099

4a) The person responsible who must ensure a management plan is prepared for the keeping of the whole or any part of a tree clear of an electric line within the area under the control of Fosterville Gold Mine Pty Ltd is:

Name: Mr. Lance Faulkner
General Manager

Company: Fosterville Gold Mine Pty Ltd
Address: McCormicks Rd, Fosterville 3557

Contact:
Mobile 0427 324 806
Office: 03 5439 9146
Facsimile: 03 5439 9099
Email Address: Lance.Faulkner@agnicoeagle.com

4b) The person responsible the preparation of this plan is:

Name: Mr. Lance Faulkner
General Manager

Company: Fosterville Gold Mine Pty Ltd
Address: McCormicks Rd, Fosterville 3557

Contact:
Mobile 0427 324 806
Office: 03 5439 9146
Facsimile: 03 5439 9099
Email Address: Lance.Faulkner@agnicoeagle.com

4c) The Responsible Person responsible for carrying out the plan is:

Name: Mr. Heath Guthrie
Mine Electrical Superintendent

Company: Fosterville Gold Mine Pty Ltd
McCormick's Rd, Fosterville 3557

Contact:
Mobile 0427 399 004
Office: 03 5439 9070
Facsimile: 03 5439 9099
Email Address: Heath.Guthrie@agnicoeagle.com

4d) In case of an emergency that requires clearance of an electric line contact should be made with:

Name: Mr. Lance Faulkner
General Manager

Company: Fosterville Gold Mine Pty Ltd
Address: McCormicks Rd, Fosterville 3557

Contact:
Mobile: 0427 324 806
Office: 03 5439 9146
Facsimile: 03 5439 9099
Email Address: Lance.Faulkner@agnicoeagle.com

OR
SP Ausnet Transmission Operation Centre (TOC) 9420 2103

4e) The objectives of the plan:

To ensure that the electric lines are kept well clear of the vegetation to minimise the risk to public safety, and the effect of the electric lines on the vegetation along with:

- Compliance with the regulation and Code of Practice
 - Electrical Safety
 - Workplace safety
 - Minimise fire starts
 - Reliability of supply
 - Management to maximise environment and amenity
 - Protection of areas of important vegetation
 - Community satisfaction
-

4f) The land to which the management plans applies:

The electric lines that are under the ownership and control of Fosterville Gold Mine Pty Ltd have been placed underground except for the cables within the FVTS and the 2 x 11kV overhead lines on site.

The electrical station that is under the ownership and control of Fosterville Gold Mine Pty Ltd is:

- i) Located within a fenced substation compound that has no vegetation within the perimeter of the fence and has a crushed rock surface that is not conducive to the establishment of vegetation;

The drawings in Appendixes 1 to 5 of this plan shows the area under the control of Fosterville Gold Mine Pty Ltd and the location of the FVTS and the 11kV overhead line.

The entire area is classified as HBRA. As part of the annual review the responsible person is to contact the CFA – District 2 Fire Safety Officer (5430 2200) to confirm the area is still HBRA annually.

4g) any hazardous bushfire risk areas and low bushfire risk areas in the land referred to in paragraph (f) (as indicated on the map):

As per clause 4f the entire area is classified as HBRA. See maps in Appendix 3 and 4.

4h) The location of areas containing tress which may need to be cut or removed to ensure compliance of the code and that are:

- i) Native to Victoria; or
 - ii) Listed in a planning scheme to be of ecological, historical or aesthetic significance; or
 - iii) Trees of cultural or environmental significance
- i) The 11kV overhead power lines have an annual vegetation audit conducted as per the Fosterville Gold Mine Bush Fire Mitigation Plan. This audit is then reviewed to predict when vegetation is likely to grow into the clearance space. Vegetation in the area near the overhead 11kV power lines are grasses, shrubs and grey box scrubs with a few mature eucalyptus macrocarpa trees outside of the clearance space that are not indigenous to the powerline corridor area.
 - ii) There is no vegetation that is required to be removed for planning schemes, ecological, historical or aesthetic reasons along the route the 11kV overhead power line that Fosterville Gold Mine is currently aware of.
 - iii) Any trees removed on Fosterville Gold Mine site require permission from the Fosterville Gold Mine Environmental department except those trees deemed to be approaching the clearance space determined from the line vegetation audit conducted annually. There are no trees of cultural or environmental significance identified in the power line corridor.

Any trees identified that need cutting or removal on private land, the landowner will be notified prior to removal by a representative of the Fosterville Gold Mine.

For this plan native is considered indigenous to this area and would be verified with the site environmental team before any making any plans to trim or remove these types of trees. If required, then a suitable qualified arborist would be engaged to seek advice to assess. Removal would only be permitted if pruning the tree to compliance would make the tree unviable.

4i) The means which the responsible person will use to identify a tree specified in paragraph (h) (i), (ii), (iii):

This will be determined via the annual vegetation audit by a competent inspecting company and through liaison with the site environmental department or other local government authorities. During this process, a Land Clearance Permit would be submitted for the area/site. This then initiates the environmental team to contact the relevant local government department to assess any tree before it can be trimmed or removed.

4j) The management procedures that the responsible person will adopt to ensure compliance with the Code, which-

- i) Must include details of the method to be adopted for managing tress and maintaining a minimum clearance space as required by the code; and**
- ii) For the purpose of determining a minimum clearance space in accordance with Division 1 of Part 3 of the code;**
 - a. must specify the method for determining an additional distance that allows for conductor sag and sway; and
 - b. may provide for different additional distances to be determined for different parts of an electric line. span;
- i) The vegetation audit will be conducted annually by an inspecting company. This is initiated by a preventive maintenance task, PM237 Vegetation Audit before the bush fire season. Once the report is received it is reviewed by the site responsible person and the inspecting company to develop a plan to achieve the recommended actions.

Prior to engaging any company to perform inspections of power lines or approving work near or around overhead power lines, Fosterville Gold Mine Pty Ltd will be collaborating closely with suitable contractors to ensure that only contractors who are approved, authorised and suitably trained to perform inspections are used. In order to ensure they meet the training criteria of Energy Safe Victoria the company must comply with the requirements of the following.

- Powercor Australia
- Another approved Distribution Company.

Prior to undertaking the task, the responsible person will arrange a site escort and will ensure the PM task is understood as attached on PM Task 237 that shows the Minimum Clearance for each span as per Appendix 6.

Any deficiencies or poor work standards noted after the clearance audit actions are completed, then contract management processes would transpire by firstly notifying the contractor and requesting a contract representative to come to site to view the poor practices and implement actions to ensure this level of work does not occur in any future audits.

For employees who are employed by Fosterville Gold Mine Pty Ltd they must be approved, authorised and suitably trained to perform any work around electric lines by complying with site procedure OHSF-STD-009, Working in Close Proximity of Power lines.

During vegetation audits any urgent cutting identified will be actioned as per code of practice dot point 19.

- ii) The method for determining an additional distance that allows for cable sag and sway is obtained from Powercor designed standards that have been reviewed by independent electrical engineering company Aurecon who have modelled the overhead power line with PLS-CADD to determine maximum sag and sway.
 - a) The Minimum Clearance is the Applicable Distance plus the Additional Clearance (that allows for sag and sway). The results are attached in Appendix 6.
 - b) The Minimum Clearance for each Span is as per Column G – Minimum Clearance Required to Meet Schedule 2 Page 58 of the code to maintain minimum clearances. There are no additional distances applied for different parts of the electric line span.

4k) Procedures to be adopted if it is not practical to comply with the requirements of AS 4373 while cutting a tree in accordance with the code:

Any trees that are required to be cleared will be done as far as practical, in accordance with the principles in AS 4373.

A site Land Clearance Certificate will be submitted to the site environmental department who will then liaise with the site responsible person to arrange the cutting of the trees by persons who are conversant in AS 4373 and ensure evidence provided prior to work commencing they are current in all these requirements. If the cutting and/or trimming cannot be done then the environmental team, ELCMP responsible person will determine a Plan B to ensure electrical line clearance is maintained.

This will include:

- How to determine inability to comply with AS4373, in conjunction with a Suitable Trained Arborist.
- Process of selection of appropriate equipment and clearing techniques.
- Conduct post audit to verify cutting standards.
- Further action may be required for further consideration to the tree becoming unviable if pruned to compliance.

4l) A description of each alternative compliance mechanism in respect of which the responsible person has applied, or proposes to apply, for approval under clause 31 of the Code;

It is envisaged the electrical line clearances will adhere to the code therefore no alternative compliance mechanism required.

4m) The details of each approval for an alternative compliance mechanism that –

- i) **The responsible person holds; and**
- ii) **Is in effect**

It is envisaged the electrical line clearances will adhere to the code therefore no alternative compliance mechanism required.

4n) A description of the measures that must be used to assess the performance of the responsible person under the management plan;

Fosterville Gold Mine will confirm that these inspections are carried by reviewing the reports conducted by approved contractors. An audit will be conducted once clearing has been completed by an approved person from the approved company and the responsible person for the plan.

A yearly review of all line clearance inspections and work conducted will be conducted by the responsible person. If any issues are found then contractual meetings will be held with the relevant company to discuss and review the maintenance key criteria of; safety performance, preventative maintenance plan execution including vegetation audits and previous audits reports to ensure the annual works are a success with no unplanned outage, trees on lines and the contractor conducting the pre and post work audits are performing well.

The ELCMP Responsible Person will review reports and audit findings to track no deficiencies and/or non-compliance issues, ensure safety of the sub-contractors while on site.

4o) Details of the audit process that must be used to determine the responsible person's compliance of the Code;

Fosterville Gold Mine Pty Ltd is responsible to manage all operation and maintenance including overhead line inspections/audits. Regular reviews will be undertaken to verify the required inspections of the FVTS enclosures, 11kV lines, and surrounds are performed prior to the commencement of the declared fire period, to ensure that no vegetation is established within these areas and that all items specified in this plan are being undertaken.

After tree trimming has occurred a post audit inspection is conducted between the approved company representative who is competent to audit works are code compliance to AS4373.

As the small number of POEL the audit process is done within 1 day to inspect the actions that have been done and verify they are to code. Any deficiencies found on the audit will require the approved company to come back and rectify any issues found. The deficiencies will then be discussed prior to the next round of inspections.

4p) The qualifications and experience that the responsible person must require of the persons who carry out the inspection, cutting or removal of tress in accordance with the Code and the Electricity Safety (General) Regulations 2019; Note Regulation 616(2) of the Electricity Safety (General) Regulations 2019 sets out specific requirements for qualified persons carrying out vegetation management work.

All persons carrying out the cutting or removal of trees for electric line clearance purposes must have successfully completed initial and refresher training in Certificate II in ESI UET 20321 (current ESV approved training course) and as a minimum the following training elements.

- Manual Handling
- First Aid in an ESI environment UETDRRF010A
- CPR HLTCPR201A
- VESI Environmental Framework
- VESI Safety Framework
- Construction Industry induction – White/Red card
- Apply ESI safety rules, codes of Practice and Procedures for work on or near electrical apparatus (Green Book/Blue Book) UETDRRF01A
- Safe Approach Distances,
- Pruning in an Electrical Environment
- Verify work teams training passport

In addition, all vegetation management workers must have completed training electives relevant to their work roles e.g. EWP operators conducting ELC works shall have a valid EWP Licence and have completed UETDRVC25A and EUTDRVC33A.

The field inspections will be done by a qualified person to make the assessment (nationally accredited for assessing and identify tress).

Any hazards tress, the qualified person would use the assistance of a qualified arborist (Cert-III).

An approved company will only be used for the vegetation inspection and post audits. They will confirm their staff are appropriately trained prior to coming to site in the proposal they submit for undertaking the work. If any contractor is found not having the appropriate training, then work would cease and not proceed until these were verified by the responsible person.

Note, definition of Suitable Qualified Arborist is:

- Cert-III in Arboriculture including the "Perform a ground-based tree defect evaluation" unit of competency.
- Nationally accredited "Assess Trees" module
- At least 3 years of field experience assessing trees.
- All vegetation management workers have completed training electives relevant to their work roles e.g. EWP operators conducting ELC works shall have a valid EWP Licence and have completed UETDRVC25A and EUTDRVC33A.

4q) Notification and consultation procedures, including the form of the notice to be given in accordance with Division 3 of Part 2 of the Code;

Any trees identified that need cutting or removal on public or private land, the landowner will be notified prior to removal by a representative of the Fosterville Gold Mine.

Any trees that need cutting or removing as per Part 2 Division 3 15 a) to d) will require the permission from the Fosterville Gold Mine Environmental department who will liaise with the stakeholders to seek permission and correct approvals sought.

All trees subject to the ELCMP are on land owned by FGM.

4r) A procedure for the independent resolution of disputes relating to electric line clearance;**Dispute Resolutions- Internal:**

The local community are made aware of any changes to site conditions that may affect our neighbours in the community by holding information sessions held on site each quarter.

If any site changes were to affect any neighbouring landowners a formal letter would be sent to communicate this to the landowner as soon as practical.

All complaints/feedback to the company should be directed to the site community officer on 5439 9000 during normal business hours Monday to Friday.

Dispute Resolutions - Independent:

If any person/community neighbour or landowner feels they require an independent review of their concerns, then the Fosterville Gold Mine recommend the following steps to occur:

- 1) Contact the site community officer or General Manager to discuss the issue to determine a fair and understanding time frame to resolve the issue.
- 2) If step 1 fails than an independent organisation like Electricity and Water Ombudsman (EWOV) may be contacted by the any community/landowner.
- 3) EWOV will then help resolve the dispute fairly, independently by treating each case on an individual basis.
- 4) EWOV can be contacted on the details below.
 - ❖ Phone – 1800 500 509
 - ❖ Internet – www.ewov.com.au
 - ❖ Writing – GPO Box 469, Melbourne, Victoria 3001.

4s) If Energy Safe Victoria has granted an exemption under regulation 11 relating to a requirement of the code, details of the exemption or a copy of the exemption.

Fosterville Gold Mine does not have any exemptions in place relating to the requirements of the code.

APPLICABLE CLAUSES FORM THE CODE OF PRACTICE

- 4) **Exception to minimum clearance space for structural branches around insulated low voltage electric lines.**
Site does not require any exception clauses. Area is in a HBRA as per advice from CFA checked annually.
- 5) **Exception to minimum clearance space for small branches around insulated low voltage electric lines.**
Site does not require any exception clauses. No overhead powerlines have any LV conductors on them.
- 6) **Exception to minimum clearance space for structural branches around uninsulated low voltage electric lines in low bushfire risk areas.**
Site does not require any exception clauses. No overhead powerlines have any LV conductors on them.
- 7) **Exception to minimum clearance space for structural branches around uninsulated low voltage electric lines in low bushfire risk areas.**
Site does not require any exception clauses. No overhead powerlines have any LV conductors on them.
- 8) **Owner or operator of transmission line must manage trees around minimum clearance space**
Site does not require any exception clauses as no transmission lines owned by Fosterville Gold Mine.
- 9) **Responsible person may cut or remove hazard tree.**
Should a hazard tree be brought to our attention that requires to be cleared than a Suitable Qualified Arborist will be brought to assess the tree.
- 10) **Cutting of tree to comply with Standard**
As per comment above.
- 11) **Cutting or removal of indigenous or significant trees must be minimised**
As per comment above.
- 12) **Cutting or removing habitat for threatened fauna**
In the event this type of fauna was identified the site would take measures to conduct works outside of the breeding season. The site responsible person would work alongside the site environmental team for guidance under this condition.
- 13) **Restriction on timing of cutting or removal if notification is required**
All land is owned by site. The site environmental team is contacted to gain approval before any trees or shrubs are removed to ensure the correct process are followed.
- 14) **Restriction on urgent cutting of trees**
All land is owned by site. The site environmental team is contacted to gain approval before any trees or shrubs are removed to ensure the correct process are followed.
- 15) **Restriction on urgent removal of trees**
All land is owned by site. The site environmental team is contacted to gain approval before any trees or shrubs are removed to ensure the correct process are followed.
- 16) **Responsible person must provide notification before cutting or removing certain trees**
All land is owned by site. The site environmental team is contacted to gain approval before any trees or shrubs are removed.
- 17) **Responsible person must publish notice before cutting or removing certain trees**
All land is owned by site. The site environmental team is contacted to gain approval before any trees or shrubs are removed to ensure the correct process are adhered to.
- 18) **Responsible person must consult with occupier or owner of private property before cutting or removing certain trees**
All land is owned by site. The site environmental team is contacted to gain approval before any trees or shrubs are removed to ensure the correct process are followed.

19) Notification and record keeping requirements for urgent cutting or removal

Site own all land the power lines traverse over. In an emergency the landowner (site environmental team) will be notified as soon as practical once a hazard has been removed. Records documenting this process will be kept on site.

Any urgent work requiring cutting or removal of tress due to growth not anticipated in the annual assessment or during fire danger period, will only be removed or cut back sufficient to ensure 1 metre clearance from minimum clearance space. Records documenting this process will be kept on site.

ANNUAL PLAN SUBMISSION

This Electrical Line Clearance Management Plan will be reviewed by Fosterville Gold Mine annually as per Electrical Line Clearance Plan regulations.

Fosterville Gold Mine uses the safety data base (INX) to notify the responsible person/ and General Manager each year that the plan is to be reviewed and updated. The event in Inx is set up so this is done by 31st March each year.

During the review process all regulations, standards, and documents associated with electrical line clearance will be reviewed if they have been superseded and applicable changes made.

APPENDIX 1 - Location Map References

The Google earth map reference points below are for:

- 1) Fosterville Terminal Station (FVTS).
- 2) Processing HV Switch room.
- 3) Mine Ventilation Fan HV Switch room.

The closest town to the Fosterville Terminal Station is Axedale.

Line starts at Fosterville Terminal Station.

Name: Fosterville Terminal Station

Latitude: 36°44'17.57"S

Longitude: 144°30'36.17"E

Line Ends at Fosterville Gold Mine High Voltage Switch Room.

Name: Fosterville Goldmine HV Switchroom

Latitude: 36°43'16.11"S

Longitude: 144°29'43.63"E

Fosterville Gold Mine Ventilation High Voltage Switch Room.

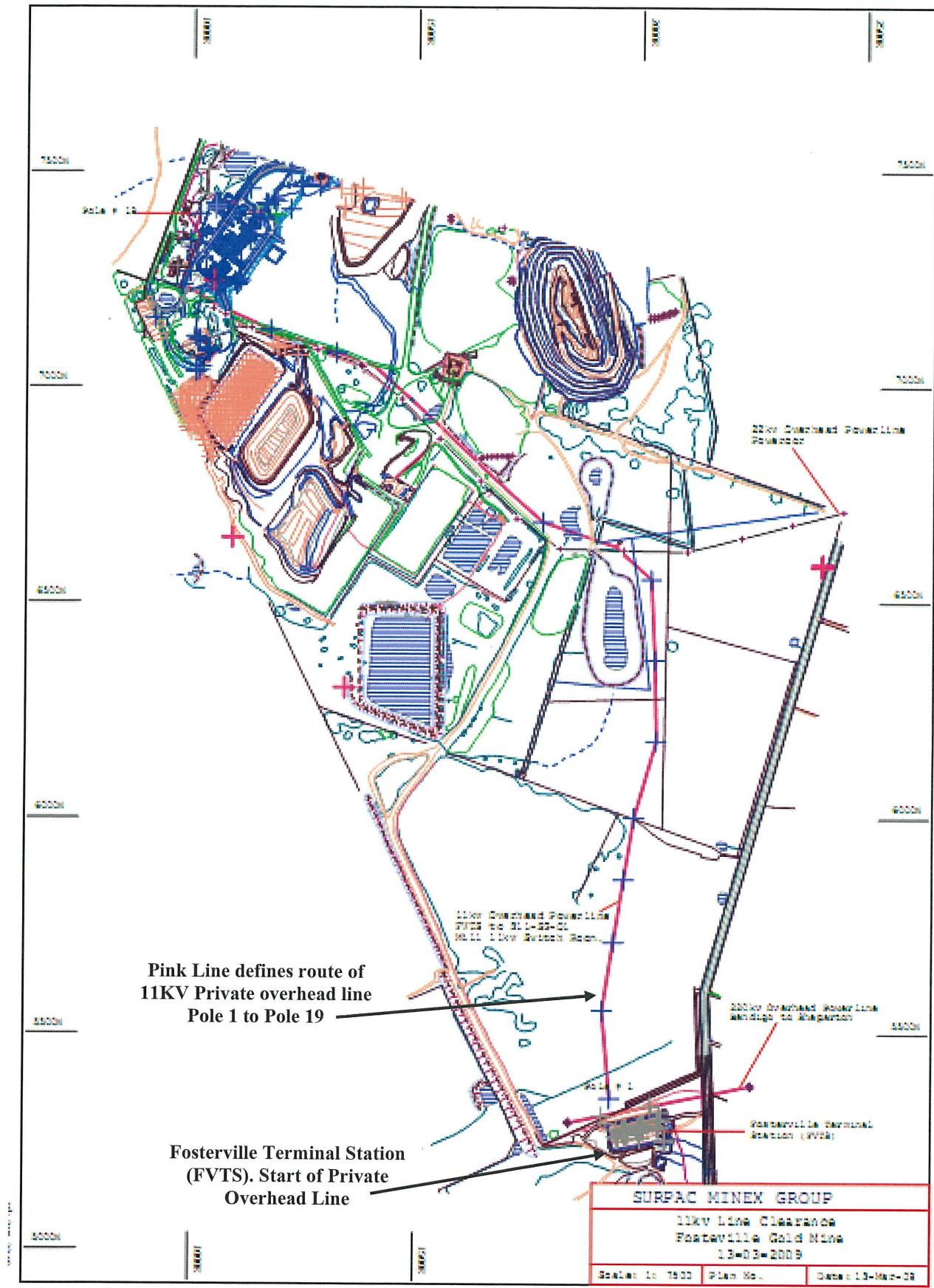
: MINE VENTILLATION HV SWITCHROOM

Latitude: 36°43'57.74"S

Longitude: 144°30'14.53"E

APPENDIX 2 - 11kV Overhead Power Line Route Pole 1 to Pole 19

A map showing the location of the 11kV electric line and the Fosterville Terminal Station (FVTS) is attached. Fosterville Terminal station to Mill 11kV Switchroom.



APPENDIX 3 – Pole 1 to Pole 19 - Detail.

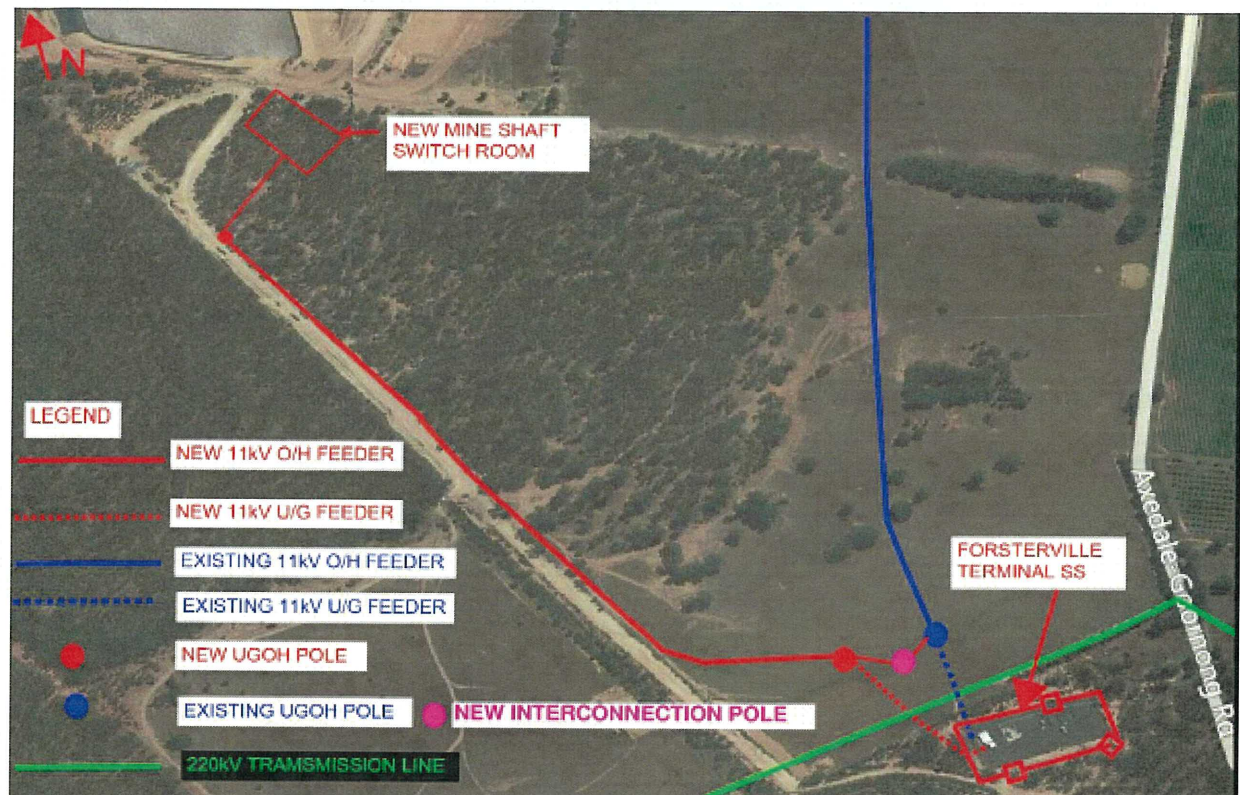
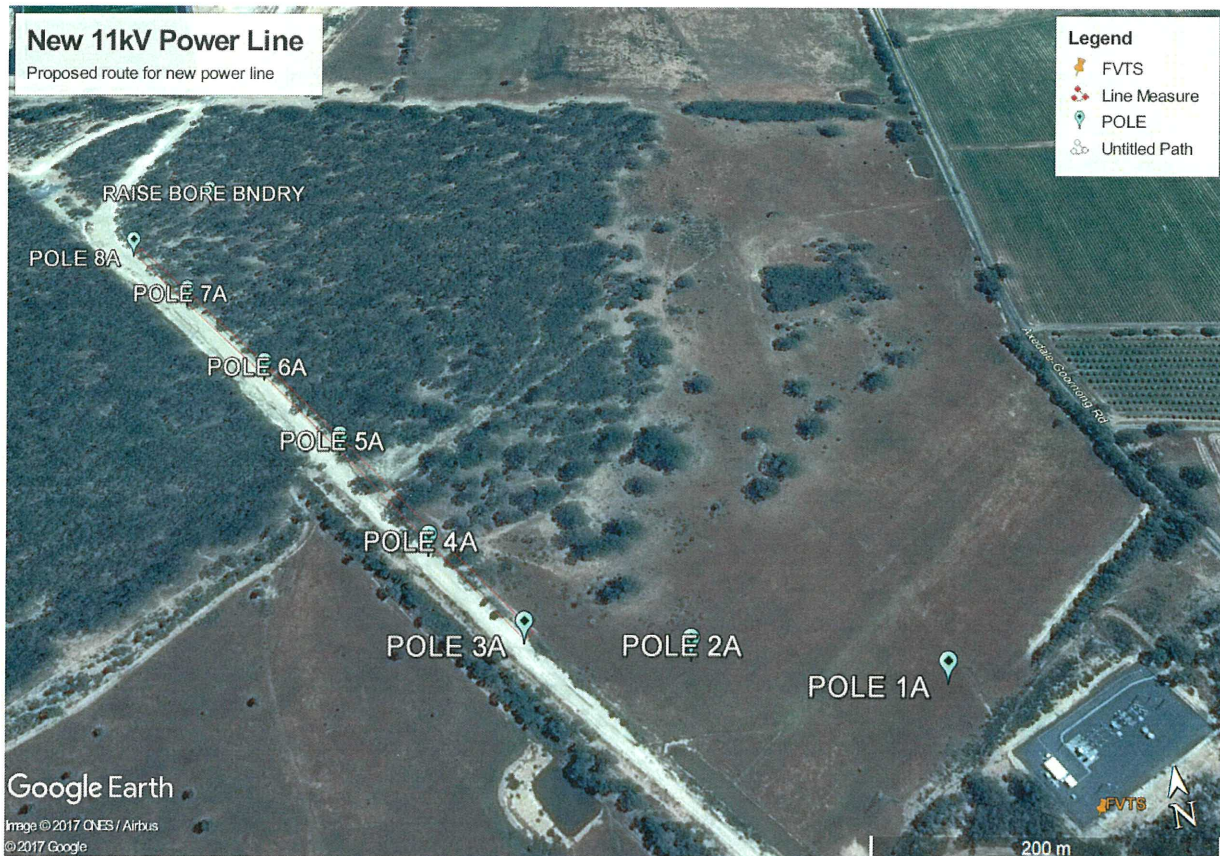
The 11kV overhead pole line between FVTS and the Processing Facility HV Switch room – 311-EB-01.

Note: Map below is not to scale. Power line route shown for approximate location only for Pole 1 to Pole 19.

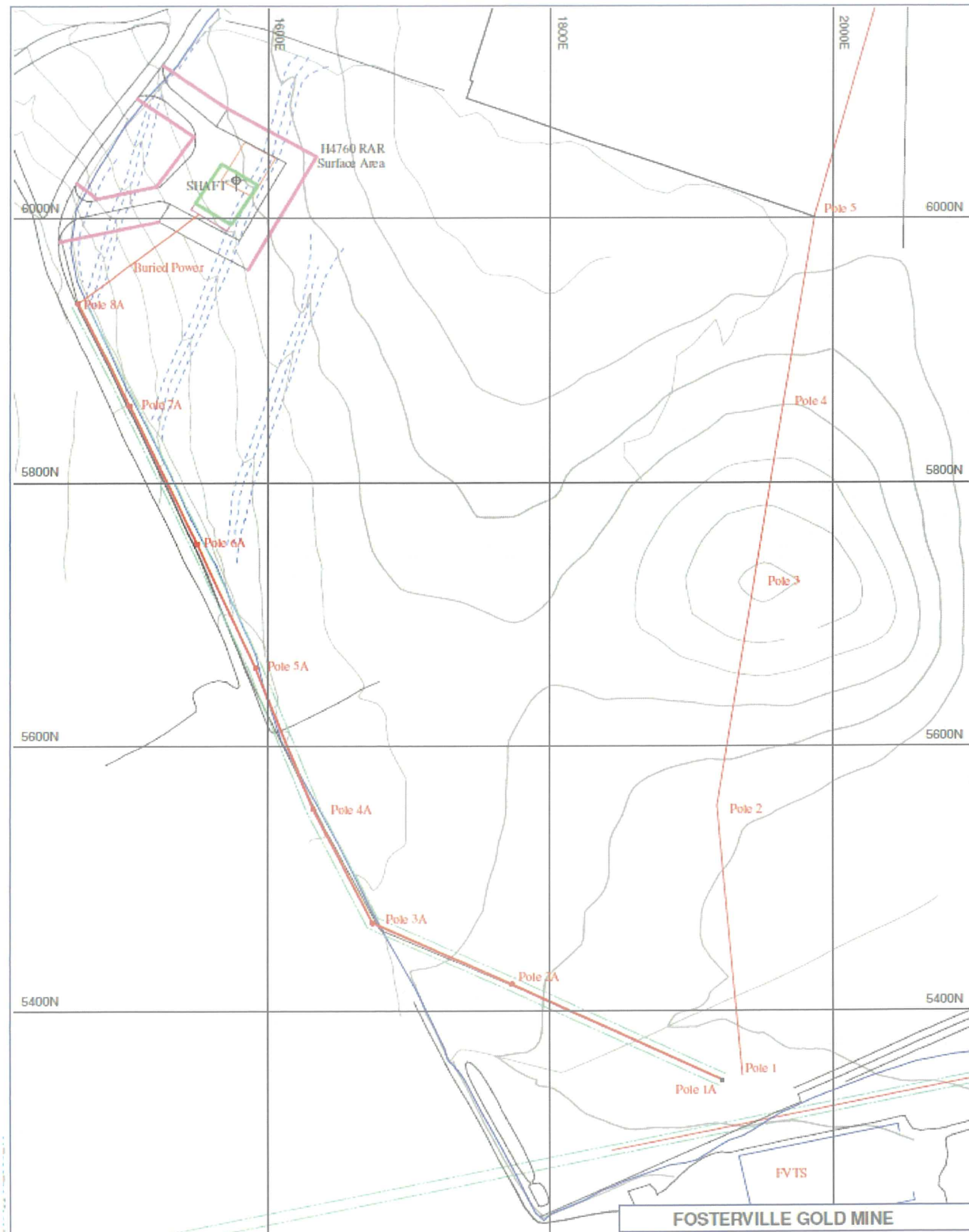


APPENDIX 4 - 11kV Overhead Power Line Route Pole 1A to Pole 8A

- The overhead 11kV pole line between FVTS and the Mine Ventilation HV Switch room -111-EB-02.



Site map showing the location of the start of the overhead power lines originating from Pole 1 and Pole 1A. The drawing shows where Pole 1A originates and where the overhead power line ends at Pole 8A - Mine Ventilation HV Switch room -111-EB-02.



APPENDIX 6 – Minimum Clearance for each Span

A	B	C	D	E	F	G
Start		Finish	Span (metre)	Applicable Distance (mm) as per Formulae in G3	Additional Clearance (mm) (Sag and Sway)	Minimum Clearance (Metres) Required to meet Schedule 2 Page 58
Pole 1	to	Pole 2	204.7	1,764	7,580	9.34
Pole 2	to	Pole 3	159.7	1,689	5,280	6.97
Pole 3	to	Pole 4	147.4	1,669	4,510	6.18
Pole 4	to	Pole 5	145.5	1,666	4,430	6.10
Pole 5	to	Pole 6	184.0	1,729	6,350	8.08
Pole 6	to	Pole 7	188.8	1,737	6,370	8.11
Pole 7	to	Pole 8	186.3	1,733	6,200	7.93
Pole 8	to	Pole 9	111.1	1,609	2,980	4.59
Pole 9	to	Pole 10	171.4	1,709	5,050	6.76
Pole 10	to	Pole 11	141.7	1,660	4,080	5.74
Pole 11	to	Pole 12	162.6	1,694	4,740	6.43
Pole 12	to	Pole 13	220.4	1,789	7,760	9.55
Pole 13	to	Pole 14	85.8	1,567	1,530	3.10
Pole 14	to	Pole 15	156.3	1,684	4,610	6.29
Pole 15	to	Pole 16	131.5	1,643	3,570	5.21
Pole 16	to	Pole 17	94.6	1,582	2,050	3.63
Pole 17	to	Pole 18	103.7	1,597	3,240	4.84
Pole 18	to	Pole 19	65.1	1,533	2,200	3.73
Total O/Head Line Length			2,661			

A	B	C	D	E	F	G
Start		Finish	Span (metre)	Applicable Distance (mm) as per Formulae in G3	Additional Clearance (mm) (Sag and Sway)	Minimum Clearance (Metres) Required to meet Schedule 2 Page 58
Pole 1B	to	Pole 1A	10.4	1,443	1,830	3.27
Pole 1A	to	Pole 2A	135.0	1,649	4,370	6.02
Pole 2A	to	Pole 3A	128.0	1,637	3,910	5.55
Pole 3A	to	Pole 4A	103.0	1,596	3,140	4.74
Pole 4A	to	Pole 5A	114.8	1,615	3,640	5.26
Pole 5A	to	Pole 6A	102.9	1,596	3,160	4.76
Pole 6A	to	Pole 7A	114.9	1,615	3,640	5.26
Pole 7A	to	Pole 8A	86.0	1,568	2,700	4.27
Total O/Head Line Length			795			